

## The Brainstorming 100% Reduction in GHG Emissions ASAP Campaign

(with ASAP meaning what we can do most urgently, with maximum engagement)

by Stefan Pasti, Founder and Resource Coordinator

The Community Peacebuilding and Cultural Sustainability (CPCS) Initiative

([www.cpcsi.org](http://www.cpcsi.org))

(June, 2019)

This Brainstorming 100% ASAP Campaign proposes to streamline to the frontlines of public discourse the best 5-10 page overviews of how we can achieve a 100% reduction in Greenhouse Gas Emissions ASAP--and thereby catalyze local Community Visioning Initiatives, and contribute significantly to maximizing “all hands on deck” participation in positive tipping point activity.

Yes, it is true—

- a) there has been numerous very valuable reports (over many decades) which have involved experts who are highly respected in their fields of work, and which have had, as their primary focus, how to reduce Greenhouse Gas Emissions
- b) many such reports have had very rigorous review processes (the IPCC reports review process is much more exhaustive than the peer-review process of a professional journal)(see [“The IPCC: Who Are They and Why Do Their Climate Reports Matter?”](#) )
- c) there are also many charts, flowcharts, and lists for where the most reductions in GHG emissions can be achieved [Examples: the “Project Drawdown Solution List” on p. 5-6, and a chart from the UNEP Emissions Gap Report (2018) on p. 11]
- d) and essential steps have been, and are now, being taken towards realizing goals in those prioritized areas (Example: very intensive build-up of renewable energy capacity (solar and wind in particular; see 6/18/19 article [“The global transition to clean energy, explained in 12 charts: Despite all the progress, we’re still struggling to hit the climate emergency brake”](#) David Roberts

However,

- 1) there are too many people *who do not have any idea* how many organizations and institutions are already contributing in trustworthy, verifiable, visible, and peer-evaluated ways to guiding public discourse towards achieving 1.5°C (2.7°F).
- 2) there is a whole dimension of opportunities to reduce GHG Emissions by voluntarily decreasing Total World Energy Demand (which has received little attention--especially in the overdeveloped parts of many countries, where such voluntary cutbacks would make significant contributions (as in lowering the energy requirements which renewable energy sources need to supply)
- 3) it will be easier for ordinary citizens who are not experts in the fields of activity associated with reducing Greenhouse Gas Emissions to understand 5-10 page overviews
- 4) there are billions of people who could be investing their time, energy, and money (their “votes”) in the everyday circumstances of their community life--and such “votes” could lead to countless ways of earning a living which are carbon-neutral, sustainable, socially responsible, and spiritually meaningful--if they only knew how. [Thus, the need for the Community Visioning Initiatives, with many supporting Neighborhood Learning Centers (see Section IV, and especially p. 32-36)]

Organizations and institutions which might be interested in partnerships to implement this Campaign are invited to contact Stefan Pasti, Founder and Resource Coordinator for The Community Peacebuilding and Cultural Sustainability (CPCS) Initiative, at [stefanpasti@gmx.com](mailto:stefanpasti@gmx.com) . Questions, comments, and constructive criticism are also welcome and very much encouraged.

## Table of Contents

I. Introduction.....	3
A. “We have left the 10,000-year climate ‘safe zone’” (graph)	
B. 100% by 2050 (“This is not easy....”) (graph)	
C. Project Drawdown Solutions List	
D. Where We Are on Renewables, and Sources of the World’s Greenhouse Gas Emissions (with this writers’ commentary at the end)	
E. “Our site is a unique and valuable practical demonstration centre....”	
F. Example Brainstorming 100% ASAP Campaign Outreach on Twitter	
II. Why a 100% Reduction in Greenhouse Gas (GHG) Emissions ASAP (As Soon As Possible)?.....	17
III. How Does the Brainstorming 100% Reduction in GHG Emissions ASAP Campaign Work?.....	26
IV. Community Visioning Initiatives: Critical for a Just and Peaceful (and Successful) Transition.....	30
V. Being Practical About Defining Success.....	39
VI. An Appeal to Those Inclined to Religious and Spiritual Beliefs.....	41

### Appendices

(bookmarks activated only at 1-11 numbers)

1. How Much Time We Have--Nine Projections (2003-2019).....	43
2. Global Carbon Emissions are Still Rising.....	49
3. Increasing Negative Feedback Loops--Four Examples.....	51
4. “It’s Happening Now”--Excerpts from Reports of Disasters Made Worse by Global Heating and Climate Breakdown.....	53
5. Species Extinction Rates Accelerating.....	55
6. Conflicts may arise, among people with different, but very personal, beliefs.....	58
7. Human Morality is not a Constant... ..	60
8. Interfaith Prayer Vigils.....	62
9. Quick Reference Overview of 13 Steps from “Growing Wisdom and Compassion in Small Communities (13 Steps)” .....	63
10. Key Organizations and Institutions (re first call for 5-10 page overviews).....	68
[616 organizations and institutions listed in 30 categories, and described by their Twitter profile— with approximate number of followers included (as such figures change)(Total Followers= 98.9 million)]	
616 organizations and institutions in a variety of fields of activity which are critical to Global Heating and Climate Breakdown mitigation, education, ecological sustainability, communication, access to basic needs, emergency assistance, social cohesion, preserving and applying wisdom and compassion, etc.--as part of the many steps still required to provide a most comprehensive picture of what actions need to be prioritized at the local community level.	
11. First Large Student Strike for Climate Marches (tweet with estimates of total participation).....	157

## I. Introduction

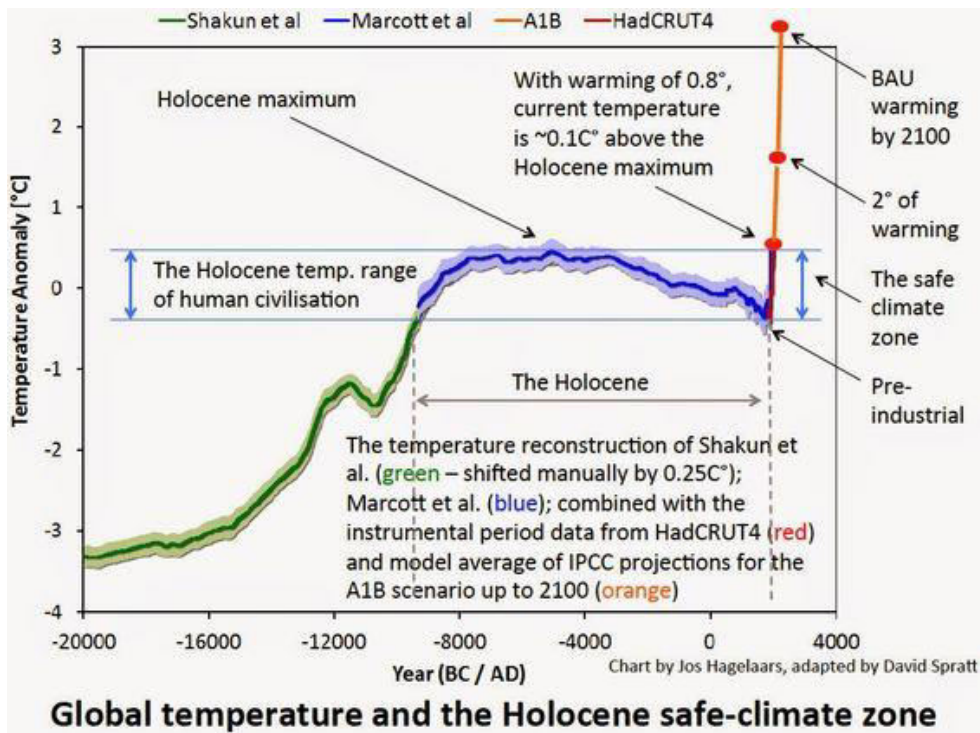
A. "We have left the 10,000-year climate 'safe zone'"



**Eric Holthaus** Verified account @EricHolthaus Nov 1 2018

Your periodic reminder of the news story of the millennium:

We have left the 10,000-year climate "safe zone"  
that gave rise to human civilization.



72 replies 2,984 retweets 3,093 likes

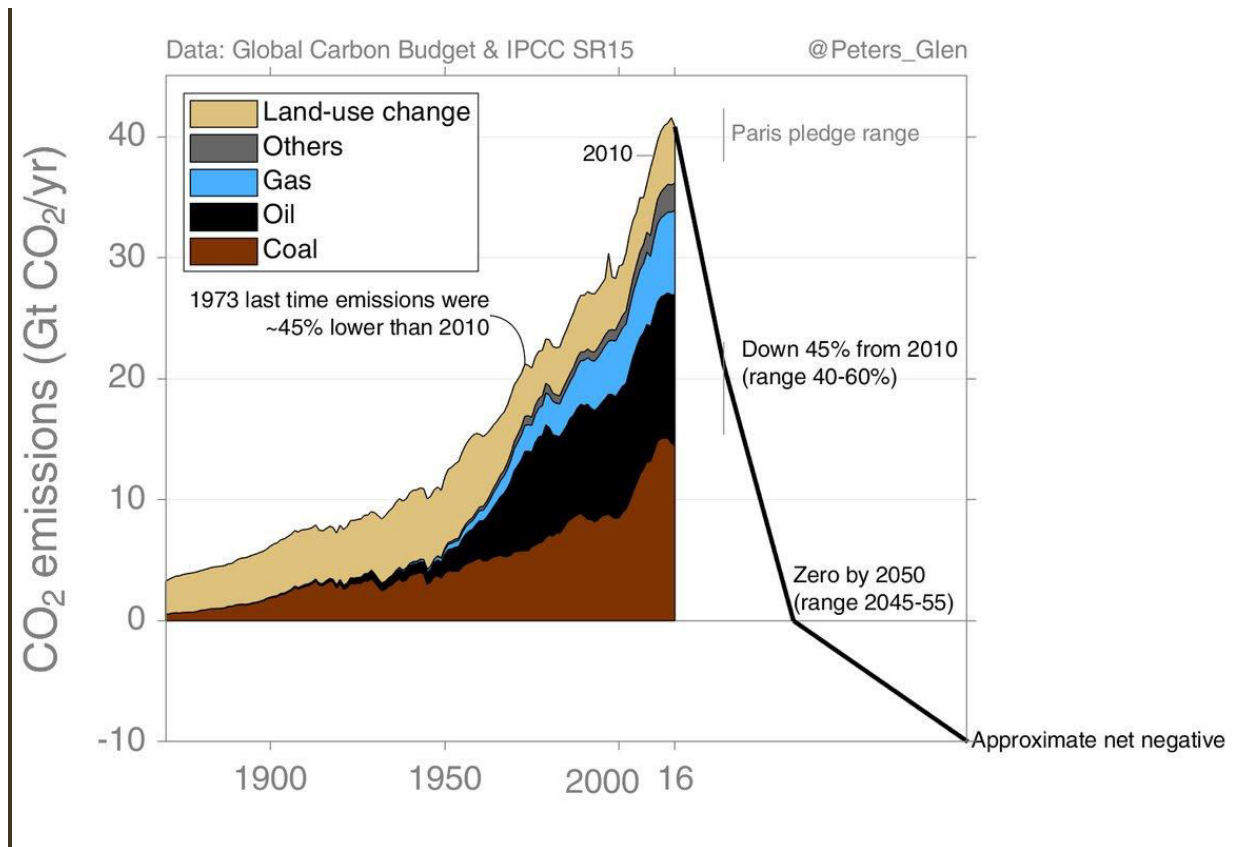
B. 100% by 2050 (“This is not easy...”)



**Glen Peters** @Peters\_Glen Oct 12 2018

According to [#SR15](#), pathways with limited overshoot of 1.5°C require global net CO<sub>2</sub> emissions to decline by ~45% from 2010 levels by 2030 (40–60% interquartile), reaching net zero around 2050 (2045–2055 interquartile), & go negative thereafter (my estimate).

This is not easy...



### C. Project Drawdown Solutions List

#### Summary of Solutions by Overall Rank

[from the “Solutions” webpage, at the Project Drawdown website (see <https://www.drawdown.org/solutions> )

“The objective of the solutions list is to be inclusive, presenting an extensive array of impactful measures already in existence. The list is comprised primarily of “no regrets” solutions--actions that make sense to take regardless of their climate impact since they have intrinsic benefits to communities and economies. These initiatives improve lives, create jobs, restore the environment, enhance security, generate resilience, and advance human health.”

“Each solution reduces greenhouse gases by avoiding emissions and/or by sequestering carbon dioxide already in the atmosphere.”

1	Refrigerant Management	21	Clean Cookstoves
2	Wind Turbines (Onshore)	22	Wind Turbines (Offshore)
3	Reduced Food Waste	23	Farmland Restoration
4	Plant-Rich Diet	24	Improved Rice Cultivation
5	Tropical Forests	25	Concentrated Solar
6	Educating Girls	26	Electric Vehicles
7	Family Planning	27	District Heating Buildings and Cities
8	Solar Farms	28	Multistrata Agroforestry
9	Silvopasture	29	Wave and Tidal
10	Rooftop Solar	30	Methane Digesters (Large)
11	Regenerative Agriculture	31	Insulation
12	Temperate Forests	32	Ships
13	Peatlands	33	LED Lighting (Household)
14	Tropical Staple Trees	34	Biomass
15	Afforestation	35	Bamboo
16	Conservation Agriculture	36	Alternative Cement
17	Tree Intercropping	37	Mass Transit
18	Geothermal	38	Forest Protection
19	Managed Grazing	39	Indigenous Peoples’ Land Management
20	Nuclear	40	Trucks

41	Solar Water	62	Women Smallholders
42	Heat Pumps	63	Telepresence
43	Airplanes	64	Methane Digesters (Small)
44	LED Lighting (Commercial)	65	Nutrient Management
45	Building Automation	66	High-speed Rail
46	Water Saving - Home	67	Farmland Irrigation
47	Bioplastic	68	Waste-to-Energy
48	In-Stream Hydro	69	Electric Bikes
49	Cars	70	Recycled Paper
50	Cogeneration	71	Water Distribution
51	Perennial Biomass	72	Biochar
52	Coastal Wetlands	73	Green Roofs
53	System of Rice Intensification	74	Trains
54	Walkable Cities	75	Ridesharing
55	Household Recycling	76	Micro Wind
56	Industrial Recycling	77	Energy Storage (Distributed)
57	Smart Thermostats	77	Energy Storage (Utilities)
58	Landfill Methane	77	Grid Flexibility
59	Bike Infrastructure	78	Microgrids
60	Composting	79	Net Zero Buildings
61	Smart Glass	80	Retrofitting

E. Where We Are on Renewables, and Sources of the World’s Greenhouse Gas Emissions  
(with this writer’s commentary at the end)

1) From the “Renewables 2019: Global Status Report” (REN21) Press Release (June 18, 2019)  
(at [https://www.ren21.net/wp-content/uploads/2019/05/gsr\\_2019\\_press\\_release\\_en.pdf](https://www.ren21.net/wp-content/uploads/2019/05/gsr_2019_press_release_en.pdf) )

“Renewables supply more than 26% of global electricity, however they provide only 10% of the energy used for heating and cooling and just over 3% for transport. This imbalance between energy sectors is in large part due to insufficient or unstable policy support.” (p. 2)

“‘A key breakthrough could occur if countries cut their fossil fuel subsidies which are propping up dirty energy’ says Rana Adib, Executive Secretary, REN21.” (p. 1)

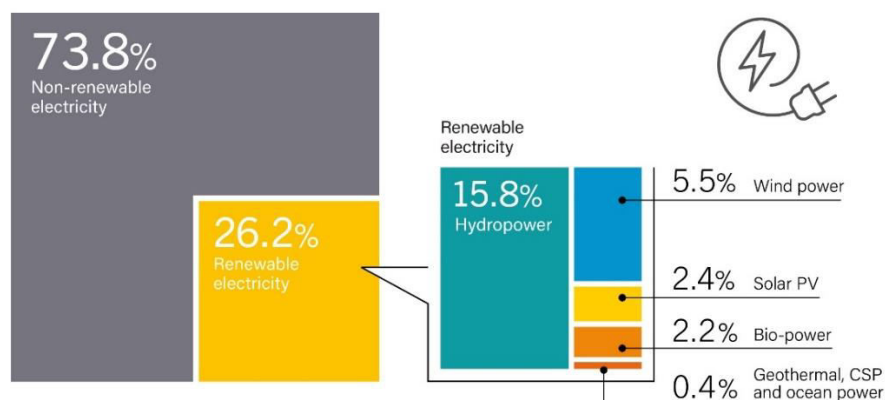
2) Excerpts from “The Global Transition to Clean Energy, Explained in 12 Charts” by David Roberts

[from article “The global transition to clean energy, explained in 12 charts: Despite all the progress, we’re still struggling to hit the climate emergency brake” by David Roberts (June 18, 2019) at the Vox website (see <https://www.vox.com/energy-and-environment/2019/6/18/18681591/renewable-energy-china-solar-pv-jobs> )]

a) Renewables represent... more than 26 percent of global electricity produced.”

“All the growth and investments in renewable electricity are starting to add up. Renewables represent more than a third of the world’s installed capacity and, as the graphic below shows, more than 26 percent of global electricity produced.”

Estimated Renewable Energy Share of Global Electricity Production, End-2018



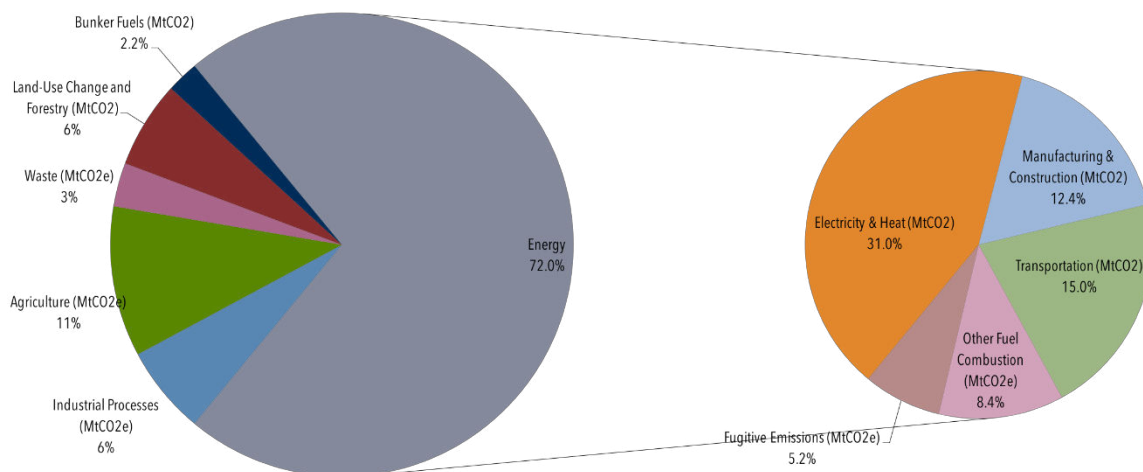
b) However, in the Heating and Cooling and Transportation Energy Sectors....

[from section 7 “But electricity is only part of energy consumption, and not the largest part.”]

“Where renewables are 26 percent of global electricity, they represent less than 10 percent (renewable electricity less than 2 percent) of heating and cooling and just 3.3 percent (renewable electricity only 0.3 percent) of transportation energy.”

“Heating and cooling, at 51 percent of global energy use, mostly run on natural gas and oil.”

“Transportation, at 32 percent of global energy use, mostly runs on gasoline and diesel.”



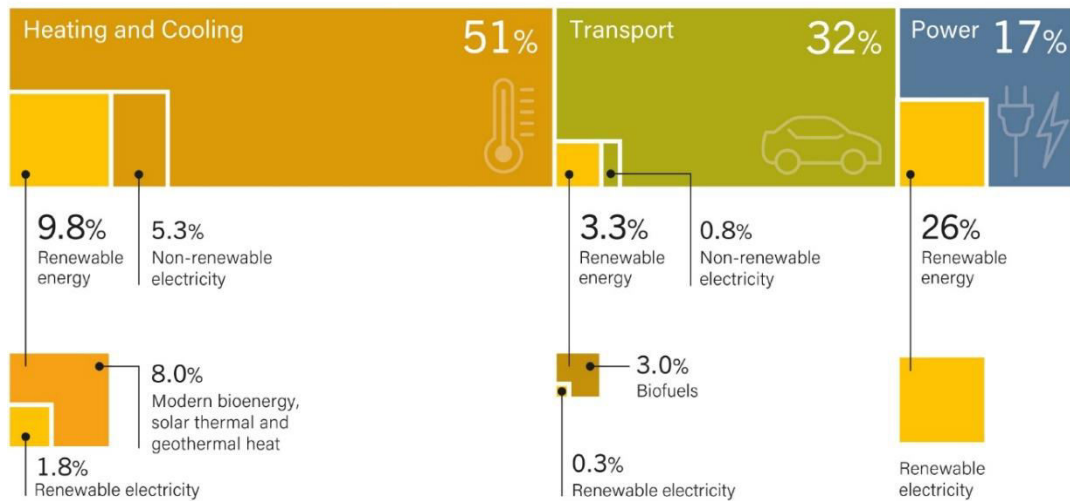
[above pie charts, titled “Global Manmade Greenhouse Gas Emissions by Sector, 2013” (via Climate Analytics Indicators Tool at World Resource Institute website) from the “Global Emissions” section of the Center for Climate and Energy Solutions webpage (C2ES) (at <https://www.c2es.org/content/international-emissions/>)]

(resuming excerpts from article “... transition to clean energy in 12 charts” (Roberts))

“This is the story in the US and in the world at large: Renewables are starting to make a dent in electricity, but they are lagging badly everywhere else.”



Renewable Energy in Total Final Energy Consumption, by Sector, 2016



“There are 169 countries, at the national or state/provincial level, that have passed renewable energy targets. Meanwhile, the report says, ‘only 47 countries had targets for renewable heating and cooling, while the number of countries with regulatory policies in the sector fell from 21 to 20.’ Fewer than a third of all countries worldwide have mandatory building codes, ‘while 60% of the total energy used in buildings in 2018 occurred in jurisdictions that lacked energy efficiency policies.’ Only about a quarter of industrial energy use is covered by industrial energy-efficiency policies.”

“It’s not much better in transportation, where ‘fuel economy policies for light-duty vehicles existed in only 40 countries by year’s end and have been largely offset by trends towards larger vehicles.’”

c) from section 12 “Renewables have a long way to go and a short time to get there”

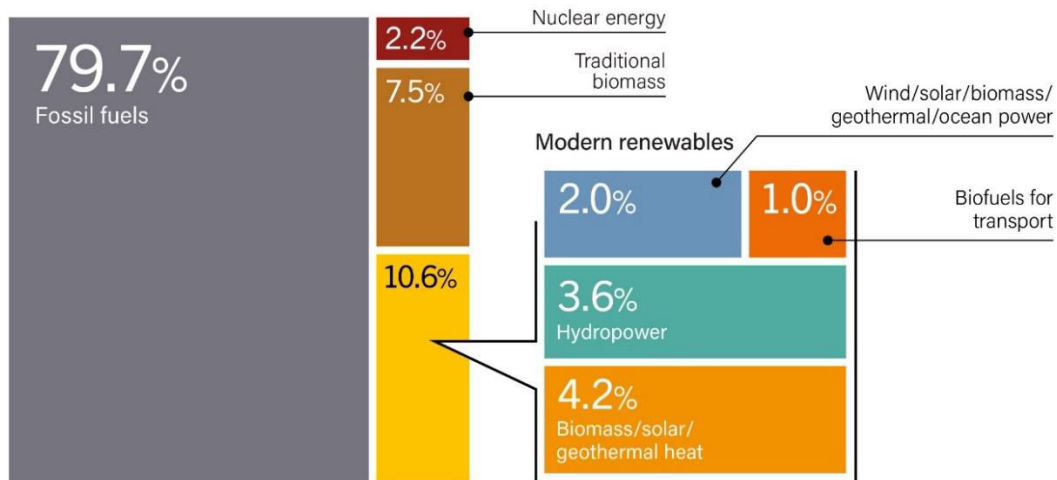
“One (admittedly imperfect) way to mark the progress of renewables is to measure them against total final energy consumption (TFEC), which adds up all energy consumed worldwide.” (see “Estimated Renewable Share of Total Final Energy Consumption, 2017”, below)

“Why is TFEC a flawed measure? Because a huge, huge chunk of that energy consumption is waste. If you look at a [‘Sankey diagram’ of US energy use](#), which shows the origin and destination of all energy sources, you’ll see that fully two-thirds of the energy that enters the economy ends up ‘rejected,’ i.e., wasted.

“That’s because fossil fuel combustion is wasteful. Mining or drilling fossil fuels, transporting them, refining them, burning them, converting them to useful energy, using the energy, disposing of the waste

and pollution — at every single stage of that process, there is loss. Burning fossil fuels, for electricity, heat, or transportation, inherently involves enormous levels of waste.”

Estimated Renewable Share of Total Final Energy Consumption, 2017



d) from Section 10 “Progress is being slowed by fossil fuel subsidies”

“While at least 40 countries have undertaken some level of fossil fuel subsidy reform since 2015,” the report says, ‘fossil fuel subsidies remained in place in at least 112 countries in 2017, with at least 73 countries providing subsidies of more than USD 100 million each.’”

Globally, that is “about double the estimated support for renewable power generation,” the report says.

3) Where are We Looking to Accelerate Emission Reduction?

From the United Nations Environment Programme (UNEP) Emissions Gap Report 2018

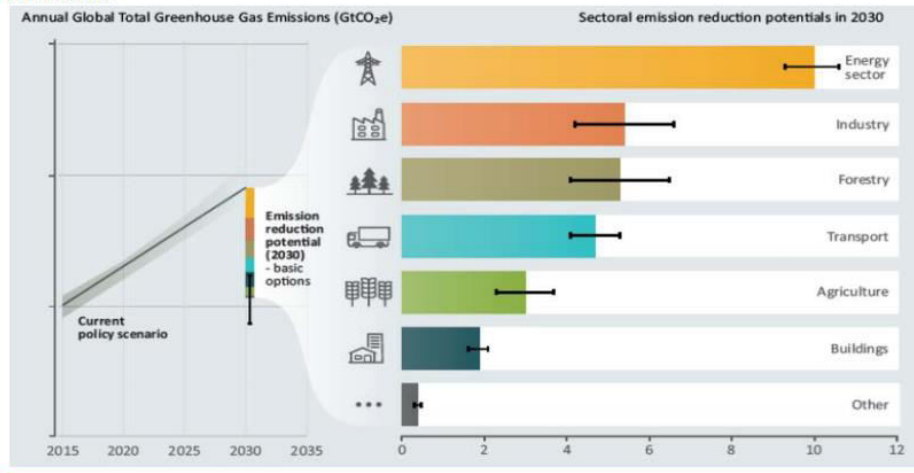
[at <https://www.ipcc.ch/site/assets/uploads/2018/12/UNEP-1.pdf> ]

a) “The UN 2019 Climate Summit led by the Secretary General (September 23, 2019) will... convene on the theme of ‘A Race We Can Win. A Race We Must Win’. The Secretary-General will seek to challenge states, regions, cities, companies, investors and citizens to step up action in six key areas: energy transition, climate finance and carbon pricing, industry transition, nature-based solutions, cities and local action, and resilience. (p. 19)

b) The emissions reduction potential in six key sectors (per Emissions Gap Report 2018)

## Sectoral emission reduction potentials in 2030

The emissions reduction potential in six key sectors, at cost <US\$100/tCO<sub>2</sub>e, is sufficient to close the emissions gap in 2030 - if implemented immediately and at scale. Most actions would have other environmental, social and economic benefits.



4) What is the Time Frame?

Many of the most recent projections for how much time we have indicate that we should make at least a 50% reduction in Greenhouse Gas Emissions before 2030, so that we might still limit Global Heating to 1.5oC, and limit the likelihood of irreversible and catastrophic Climate Breakdown.

Two example projections are below—

Figure 1-- Source: [“100% Clean and Renewable Wind, Water, and Sunlight All-Sector Energy Roadmaps for 139 Countries of the World”](#) Mark Z. Jacobson (Stanford University, CA) et al. in Joule 1 (energy journal) (p. 108-121) September 6, 2017 [Additional Sources: referred to Joule article by [“Most of the world’s countries could run on 100% renewable energy by 2050, says study”](#) by John McKenna at World Economic Forum **September 18, 2017**; and [The Solutions Project Interactive Map](#)]

Figure 2--[from an introductory webpage to the [“One Earth Climate Model”](#) at the website of the Leonardo DiCaprio Foundation The book describing the “One Earth Climate Model”--“Achieving the Paris Climate Agreement Goals: Global and Regional 100% Renewable Energy Scenarios with Non-energy GHG Pathways for +1.5°C and +2°C”--by Sven Teske, Ed. (491 pages) Springer, **2019** is accessible for free

at <https://link.springer.com/book/10.1007%2F978-3-030-05843-2#editorsandaffiliations> ]

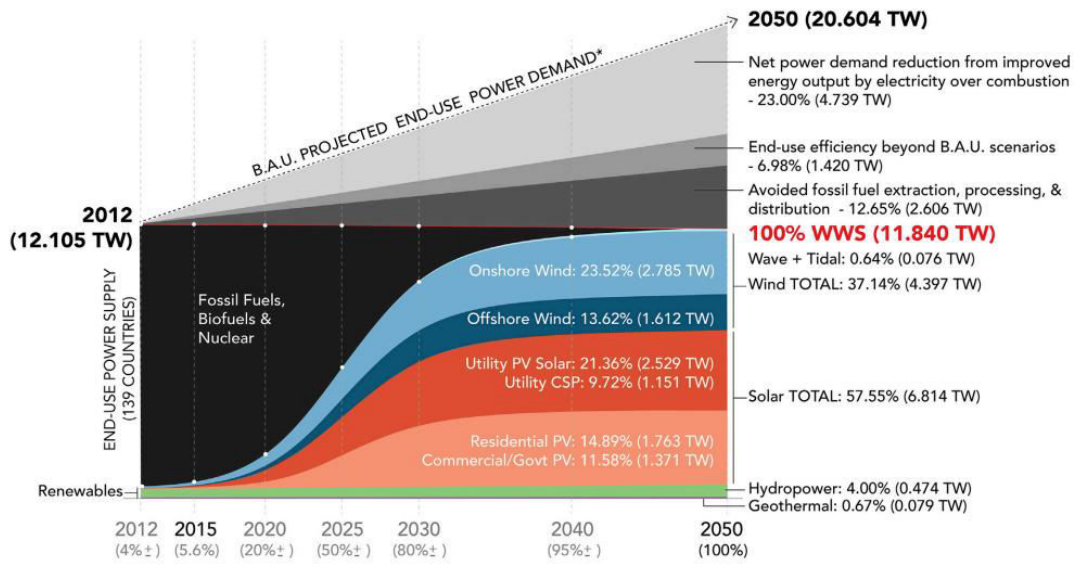


Figure 1

**Projected Power Supply & Demand, 139 Countries**  
 \*ENERGY FOR ALL USES INCLUDING ELECTRICITY, HEATING, TRANSPORTATION, INDUSTRY

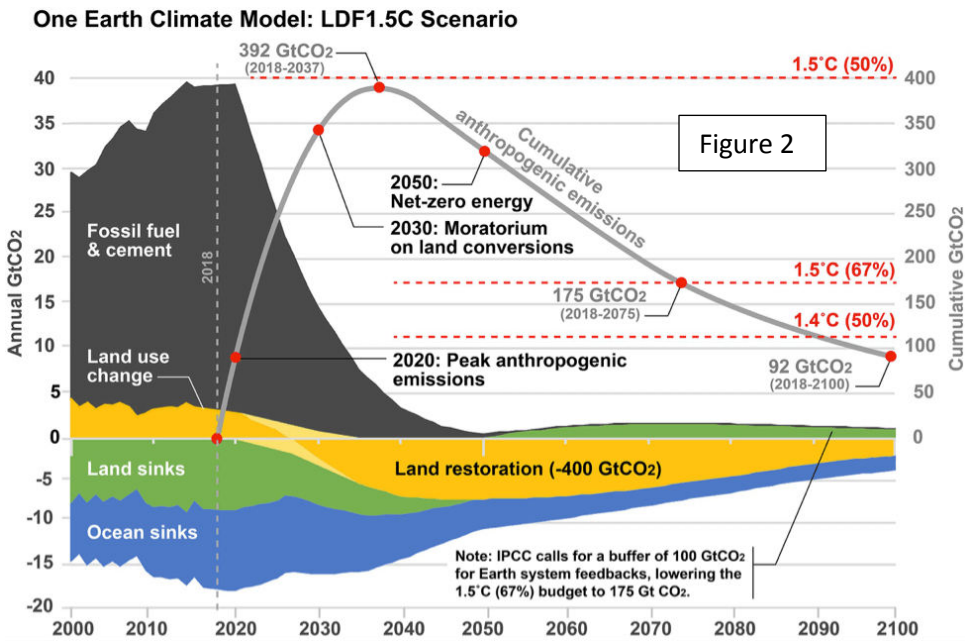


Figure 2

5) Sources of the World’s Greenhouse Gas Emissions

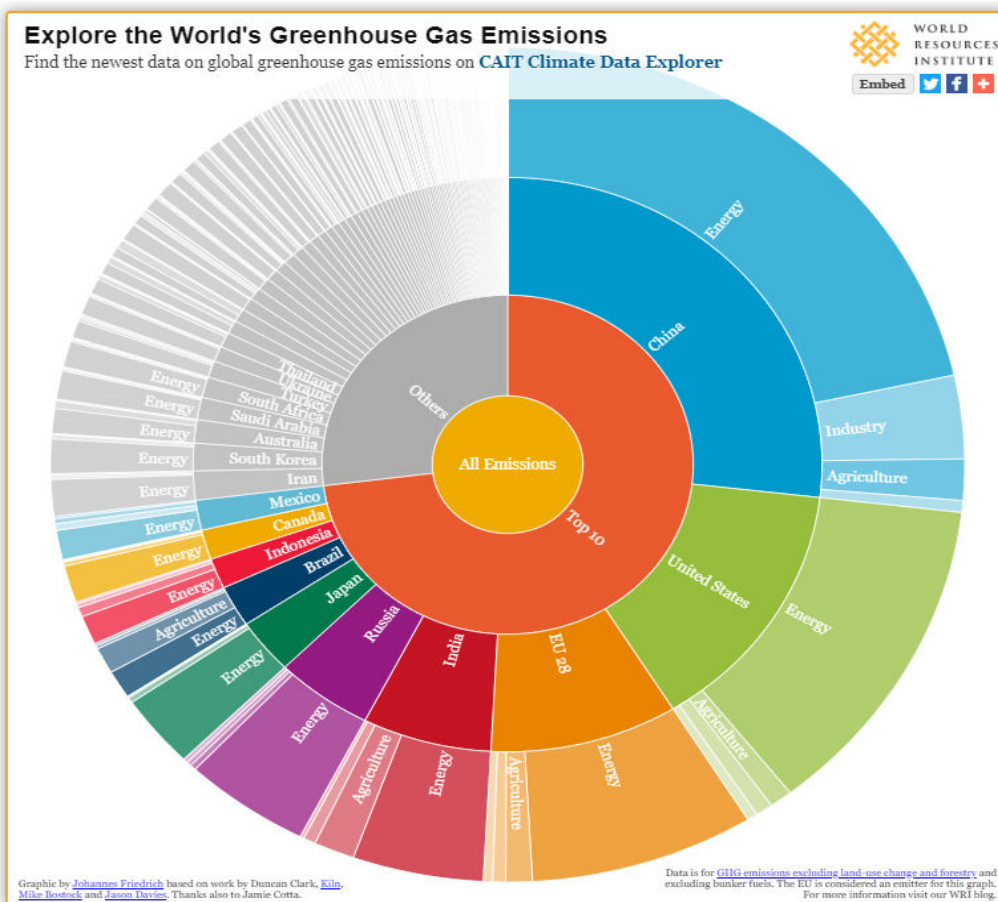
[From article “This Interactive Chart Explains World’s Top 10 Emitters...” (2013 data) by Johannes Friedrich Johannes Friedrich, Mengpin Ge and Andrew Pickens (April 11, 2017) at the World Resources Institute website (see <https://www.wri.org/blog/2017/04/interactive-chart-explains-worlds-top-10-emitters-and-how-theyve-changed>

)] [Note: 2013 data still relevant in 2019 with regard to which countries emit the most Greenhouse Gas Emissions, and the relative size of the energy sectors]

a) “The World’s Top 3 Emitters Contribute 14 Times the Emissions of the Bottom 100”

“The top three greenhouse gas emitters--China, the European Union and the United States--contribute more than half of total global emissions, while the bottom 100 countries only account for 3.5 percent. *Collectively, the top 10 emitters account for nearly three-quarters of global emissions.* The world can’t successfully tackle the climate change challenge without significant action from these countries.”

b) “The Energy Sector Is the Major Culprit, but Action in Every Sector Counts”



6) This writer’s summary points:

a) “The world can’t successfully tackle the climate change challenge without significant action from China, United States, European Union, India, and Russia--which emit almost two-thirds of Global Greenhouse Gas Emissions.” [from 5) a) above, and World Resources Institute pie chart, above]

b) Many of the most recent projections for how much time we have indicate that we should make at least a 50% reduction in Greenhouse Gas Emissions before 2030 (better try for 100% ASAP), so that we might still limit Global Heating to 1.5°C, and limit the likelihood of irreversible and catastrophic Climate Breakdown.

c) “Fossil fuel subsidies remained in place in at least 112 countries in 2017, with at least 73 countries providing subsidies of more than USD 100 million each.” [from 2) d) above]

d) “Where renewables are 26 percent of global electricity, they represent less than 10 percent (renewable electricity less than 2 percent) of heating and cooling and just 3.3 percent (renewable electricity only 0.3 percent) of transportation energy.” [from 2) b) above]

e) When voluntary limiting of energy use during a Climate Emergency does not occur, choices can, and should be made by businesses, industry, and citizens, etc. to do selective buying--that is, to purchase only absolutely essential goods and services--and only from entities who are in partnership with drastically reducing Greenhouse Gas Emissions. If this kind of selective buying is done in cooperation with Brainstorming 100% ASAP Campaigns, and thousands of Community Visioning Initiatives with supporting Neighborhood Learning Centers, it may be manageable... and it may be enough of a downsizing of the Total World Energy Demand to match up with the efforts at powering electric grids from 100% renewable energy sources.

f) See also Appendix 8 “Interfaith Prayer Vigils”

D. “Our site is a unique and valuable practical demonstration centre....”

From The Centre for Alternative Technology (CAT) in Powys, mid-Wales, UK

(<http://www.cat.org.uk/index.html> )

[Note: “CAT, despite its name, no longer concentrates its efforts exclusively on alternative technology, but provides information on all aspects of sustainable living.” (from the Wikipedia webpage for the Centre for Alternative Technology)]

“We offer solutions to some of the most serious challenges facing our planet and the human race... Leading by example, we aim to show that living more sustainably is not only easy to attain but can provide a better quality of life. Our site is a unique and valuable practical demonstration centre, which includes: photovoltaics; solar thermal; a micro-grid; off-grid and grid-connected systems; biomass combined heat and power (CHP); hydro; air source heat pumps; a community heat main; a range of small to medium wind turbines; two reed bed systems; off-mains water supply; and extensive organic gardens.... Our day-to-day activities include a) running a visitor centre which is open 7 days a week, with 7 acres of interactive displays d) providing curriculum-based education to visiting schools, colleges and universities.”

“Since its inception in 2007, the Zero Carbon Britain project (also by CAT) has offered the hard data and confidence required for visualising a future where we have risen to the demands of climate science. It has helped to reduce fear and misunderstandings and open new, positive, solution-focused conversations....

“We can provide a reliable energy supply for the UK with 100% renewable energy sources and flexible carbon neutral back up.

“We can grow the vast majority of the food we need for a healthy, low carbon diet, and manage our land to capture carbon, nurture biodiversity and increase the health and resilience of our ecosystems.

“We can deliver a modern lifestyle, create employment, improve our wellbeing, and ensure that the future we leave for our children and generations to come is safe and sustainable.”

**(However)** *“Changing how billions of people live on Planet Earth is a very special kind of problem, as the forces that shape our lives exist on many different levels. Rather than an unresolved technical challenge, it is increasingly accepted that we face a mix of economic, cultural and psychological barriers.”*

[Sources: From the webpage “What Do We Do?” at the website for the Centre for Alternative Technology (at <https://content.cat.org.uk/index.php/about-cat-what-do-we-do>) (before they did an upgrade to the website... now this writer can’t find their excellent introductory information); and last paragraph from the “Zero Carbon Britain: Raising Ambition” document webpage (a project of the Centre for Alternative Technology) (see p. 32 in the “Zero Carbon Britain: Raising Ambition” document at <https://www.cat.org.uk/info-resources/zero-carbon-britain/research-reports/zero-carbon-britain-raising-ambition/> )]

### E. Example Outreach on Twitter (by @StefanPasti)

Brainstorming 100% ASAP Campaign <http://bit.ly/2VKXeUg> widespread awareness of 5-10p overviews on how 100% ASAP by key orgs/inst (616 listed in Appendix 10); universities as hubs for local, regional brainstorming, visioning, and action plans [242 characters (out of possible 280)]

(Text Box screen shot into GIF file, then attached to tweet as “photo”)

#### The Brainstorming 100% Reduction in GHG Emissions ASAP Campaign

This Brainstorming 100% ASAP Campaign proposes to streamline to the frontlines of public discourse the best 5-10 page overviews of how we can achieve a 100% reduction in Greenhouse Gas Emissions ASAP--and thereby catalyze local Community Visioning Initiatives, and contribute significantly to maximizing “all hands on deck” participation in positive tipping point activity.

The Brainstorming 100% ASAP Campaign identifies organizations and institutions which are already contributing in trustworthy, verifiable, and peer-evaluated ways to guiding public discourse towards achieving 1.5°C--and asks them to provide a 5-10 page overview of the best ways to decrease emissions by 100% ASAP. Further, since there are still three to eight decades of unprecedented cultural transformation ahead of us--[as there is now, and there will be, adjusting to do in decades to come, to reach socio-economic environmental equilibriums due the heating of the Planet--and because there are many other challenges ahead)]--the Brainstorming 100% ASAP Campaign also makes a call for 5-10 page overviews from organizations and institutions critical to education, communication, access to basic needs, emergency assistance, social cohesion, ecological sustainability, preserving the roots of wisdom and compassion, etc.--as part of the many steps still required to provide a most comprehensive picture of what actions need to be prioritized at the local community level (Appendix 10 recipient list includes 616 organizations and institutions with 98.9 million followers as recipients of first call requests for 5-10 page overviews).

100-150 of the best 5-10 page overviews can function as a needs assessment--of the kind which precedes local Community Visioning Initiatives (as such will help residents see the need for Community Visioning and many supporting Neighborhood Learning Centers). Universities and colleges--which are already far advanced in recognizing and implementing climate change solutions--will be natural lead organizations for building the partnerships necessary to carry out Community Visioning Initiatives in their local community.

Such 5-10 page overviews can also be a key resource for the “over 650 local govt have declared Climate Emergency” (as of 6/26/19)(see <https://www.theclimatemobilization.org/climate-emergency-campaign> ).



## II. Why a 100% Reduction in Greenhouse Gas (GHG) Emissions ASAP (As Soon As Possible)?

(with ASAP meaning what we can do most urgently, with maximum engagement)

This writer has, in even recent papers, advocated for a 50% reduction in Greenhouse Gas Emissions by 2030\*.

\*(with the likelihood of a greater need for reductions within a year of the May, 2019 paper).

---

However, here in June, 2019,  
having carefully reviewed and re-evaluated:  
(the end of this sentence is on p. 24)

---

1) Earlier Global Warming Warnings--this writer created a 28 point "Timeline of Reports, Articles, and other Educational Materials Warning About Global Warming" (1983-2013)(which includes excerpts from key documents) on p. 273-301 of the CPCS Initiative paper "[Invitation Package for Possible Board of Advisors](#)" (589 p., 3.6MB; November, 2013)

### 2) [The IPCC Special Report on Global Warming of 1.5°C](#)

a) "According to #SR15 ("The IPCC Special Report on Global Warming of 1.5°C"), pathways with limited overshoot of 1.5°C require global net CO<sub>2</sub> emissions to decline by ~45% from 2010 levels by 2030 (40–60% interquartile), reaching net zero around 2050 (2045–2055 interquartile)..." ([from Glen Peters tweet](#)--complete tweet with graph also above, on p. 4)

b) The SR15 Report includes:

--"Limiting global warming to 1.5°C (2.7°F) would require rapid, far-reaching and unprecedented changes in all aspects of society."

--"Every extra bit of warming matters, especially since warming of 1.5°C (2.7°F) or higher increases the risk associated with long-lasting or irreversible changes, such as the loss of some ecosystems."

3) Nine specific examples of projections made from 2008-2019 (see Appendix 1) about how much time we have to achieve a 50% reduction in Greenhouse Gases to limit global warming to 1.5°C (before negative feedback loops carry us into catastrophic and irreversible global warming)

which include--

[From the [Press Release for “Plan B 4.0: Mobilizing to Save Civilization”](#) by Lester R. Brown (**October, 2009**) (see paragraph 17) at the website for the Earth Policy Institute]

“...Plan B aims to stabilize climate, stabilize population, eradicate poverty, and restore the economy’s natural support systems. It prescribes a worldwide cut in net carbon emissions of 80 percent by 2020, thus keeping atmospheric CO2 concentrations from exceeding 400 parts per million (see Appendix 2, #9 for where we are now on ppm). ‘In setting this goal,’ says Brown, ‘my colleagues and I did not ask what would be politically popular but rather what would it take to have a decent shot at saving the Greenland ice sheet and at least the larger glaciers in the mountains of Asia.’”

4) Global Carbon Emissions are Still Rising [see “Five Examples of Reports Showing Global Carbon Emissions are Still Rising” in Appendix 2—which includes the “Hockey Stick” graph, and current global carbon emissions measurements from 2005-2018 (both from NASA)]

5) There continues to be well-documented, evidence-based reports showing that negative feedback loops are moving at speeds, and in patterns, which go beyond previous projections [Examples: the acceleration of ice loss in the Arctic; the acceleration of the melting of the Greenland Ice Sheet [and the loss of the albedo effect, there and elsewhere (ice has high reflectivity, rather than absorption, of heat)];, the acceleration of melting of permafrost (and the resulting increase in methane gas release); the acceleration of glacier ice loss in the Himalayas] (see “Increasing Negative Feedback Loops--Four Examples” in Appendix 3)

6) The 2018 wildfires; animal culls and mass fish deaths during heat waves in Australia; two major cyclones in one month in Mozambique; and the floods in the Midwest of the United States delaying planting season--which are examples of Global Heating and Climate Breakdown happening now, at 1.0°C temperature rise (see “It’s Happening Now--Excerpts from Disasters made worse by Global Heating and Climate Breakdown” in Appendix 4)

7) The acceleration of countries and municipalities declaring a Climate Emergency

a) A growing number of countries declaring a Climate Emergency, and setting specific targets for reducing GHG Emissions.

--Countries (as of June 23, 2019): United Kingdom, Scotland, Canada

--Countries setting net zero Climate Goals (Bookmark this page to stay up to date--

<https://www.climatechangenews.com/2019/06/14/countries-net-zero-climate-goal/>

b) A growing number of municipalities

“Over 650 local governments in 15 countries have declared a climate emergency and committed to action to drive down emissions at emergency speed.” (as of June 26, 2019)

[from the webpage “Climate Emergency Campaign”, in the “Projects” section of The Climate Mobilization website (at <https://www.theclimatemobilization.org/climate-emergency-campaign> )]

8) Young people (ages 5-21) are taking action (see “First Large Student Strike for Climate Marches” in Appendix 11, last page). And it would seem difficult not to be sympathetic with them, not knowing what kind of world they might inherit... and whether they, or anyone else, will find the Planet habitable, if irreversible and catastrophic Global Heating is what happens. So much life, in an infinite variety of moments, on the rarest of all life forms, a living Planet. Harsh as it is sometimes, most of us have been grateful for the opportunity to live, to know what it is like to live as a human being. We can learn how to be better Earth citizens [though young people will be the first generation (recently) to have to learn how to be better citizens using lifetime carbon budgets almost 90% lower than someone born in 1950][see article [“Climate crisis: today’s children face lives with tiny carbon footprints”](#) (Damian Carrington 4/10/19)]

9) The start of what many scientists consider the sixth mass extinction of life to occur in the Earth’s four billion year history. (see “Species Extinction Rates Accelerating” in Appendix 5)

10) There are many unprecedented challenges, all of which will directly or indirectly impact Climate Breakdown mitigation, and all of which require urgent attention during the unprecedented cultural transformation which we must make in the coming decades.

(Examples: Cultures of Violence, Greed, Corruption, Cynicism, and Overindulgence; Global Debt; Global Inequities and the Cycle of Malnutrition, Disease, and Death; Toxic Air Pollution; Gender Equality; Health Care and Education Accessibility; Accelerating Migration and Displacement; Water Deficits and Widespread Sanitation Issues; Limiting Deforestation; Eliminating Cement Emissions (with substitutes?); More Equitable and Circular Food Systems (including Significantly Reducing Food Waste); Protection Against Floods at Chemical Sites; Creating Acceptable Radioactive Waste Disposal; Significantly Improved Solid Waste Management (especially efforts approaching Zero Waste); Ocean Health Management; Reducing Plastic Pollution; Reducing Cyber Threats; Increasing Media Literacy)

[The above examples are supported by substantial evidence in the Community Peacebuilding and Cultural Sustainability (CPCS) Initiative (which this writer is building) Summary Paper [“Harvest Song”](#) (78 pages; 3.9 MB; November-December, 2018).]

11) There is an extremely long list of organizations and institutions [news sources, governments (international, national, local), think tanks, NGOs, etc.] who have civic responsibility and community service obligations to be responders to this Climate Emergency (and to the many other unprecedented challenges associated with achieving a peaceful, just, and sustainable world--see #8 above), but who are not moving with sufficient urgency, not giving this Emergency any attention at all--or even denying there is any Climate Emergency, and working at cross purposes, making achieving positive tipping points even more difficult than it already is.

12) It is still very common for policies and market incentives to allow businesses to run up "*significant, largely unaccounted for, and unchecked social and environmental externalities.*"

(Ex: fossil fuel subsidies—see p. 10 d) "*Progress is being slowed by fossil fuel subsidies*" ]

a) [From "[Towards a Green Economy: Pathways to Sustainable Development and Poverty Eradication](#)" United Nations Environment Programme **2011**; [in Introduction, see section "An Era of Capital Misallocation" (insufficient numbering--see the first and second pages of the introduction)]

"Most economic development and growth strategies encouraged rapid accumulation of physical, financial and human capital, but at the expense of excessive depletion and degradation of natural capital, which includes the endowment of natural resources and ecosystems. By depleting the world's stock of natural wealth – often irreversibly – this pattern of development and growth has had detrimental impacts on the wellbeing of current generations and presents tremendous risks and challenges for the future. The recent multiple crises are symptomatic of this pattern. Existing policies and market incentives have contributed to this problem of capital misallocation because they allow businesses to run up *significant, largely unaccounted for, and unchecked social and environmental externalities.*"

b) [From the United Nations Environment Programme (UNEP) publication "Global Environment Outlook GEO-6" press release (March 13, **2019**)(at <https://www.unenvironment.org/news-and-stories/press-release/human-health-dire-straits-if-urgent-actions-are-not-made-protect> )

"The most comprehensive and rigorous assessment on the state of the environment completed by the UN in the last five years was published today, warning that damage to the planet is so dire that people's health will be increasingly threatened unless urgent action is taken."

[From the United Nations Environment Programme (UNEP) publication “Global Environment Outlook GEO-6: Summary for Policymakers” (at [https://wedocs.unep.org/bitstream/handle/20.500.11822/27652/GEO6SPM\\_EN.pdf?sequence=1&isAllowed=y](https://wedocs.unep.org/bitstream/handle/20.500.11822/27652/GEO6SPM_EN.pdf?sequence=1&isAllowed=y) )]

“GEO-6 concludes that unsustainable human activities globally have degraded the Earth’s ecosystems, endangering the ecological foundations of society {Chapters 4 to 9}. Urgent action at an unprecedented scale is necessary to arrest and reverse this situation, thereby protecting human and environmental health and maintaining the current and future integrity of global ecosystems. Key actions include reducing land degradation, biodiversity loss, and air, land and water pollution; improving water management and resource management; climate change mitigation and adaptation; resource efficiency; addressing decarbonization, decoupling and detoxification; and the prevention and management of risk and disasters.” (from p. 4; paragraph 4 and 5)

Without additional policies, trends in environmental degradation are projected to continue at a rapid rate and the related Sustainable Development Goal targets and internationally agreed environmental goals are not expected to be achieved, including on climate change, biodiversity loss, water scarcity, excess nutrient run-off, land degradation and ocean acidification (well established). **Current patterns of consumption, production and inequality are not sustainable, adding to other severe environmental pressures.** Many environmental indicators are projected to move in the wrong direction. Projected population growth, urbanization trends and economic development will significantly increase demand for natural resources, such as food, energy and water, towards 2050.” (from p. 19; paragraph 1)

13) The Renewables Global Status Report (GSR): “we are still struggling to get ahold of the emergency brake”

[from article “The global transition to clean energy, explained in 12 charts: Despite all the progress, we’re still struggling to hit the climate emergency brake” by David Roberts (June 18, 2019) at the Vox website (see <https://www.vox.com/energy-and-environment/2019/6/18/18681591/renewable-energy-china-solar-pv-jobs> )] (Excerpts from this article are also on p. 7-10 above)

“The Renewables Global Status Report (GSR), released annually by the Renewable Energy Policy Network for the 21st Century (REN21, a think tank), digs into the growth rates of various energy sources, the flows of clean energy investment, and the world’s progress on its sustainability goals.”

“... a few background facts.

“First, we’re still moving in the wrong direction. Global carbon emissions aren’t falling fast enough. In fact, they aren’t falling at all; they were up 1.7 percent in 2018.

“Second, we’re still pushing in the wrong direction. Globally, subsidies to fossil fuels were up 11 percent between 2016 and 2017, reaching \$300 billion a year.

“And third, the effort to clean up is flagging. Total investment in renewable energy (not including hydropower) was \$288.9 billion in 2018 — less than fossil fuel subsidies and an 11 percent decrease from 2017.

“This is all bad news. The public seems to have the impression that while things are bad, they are finally accelerating toward something better. It’s not true. *Collectively, we haven’t even succeeded in reversing direction yet. Despite all the progress described below, we’re still struggling to get ahold of the emergency brake.*”

14) There is much that can go wrong with policies which either place the burden of transition on the poor and disadvantaged; on people who did little to contribute to Greenhouse Gas Emissions--or with policies which place the burden of transition on people who have had no opportunity to contribute to the decision making process.

15) We are only at the beginning of understanding how much the implementation of already known (and yet to be discovered) solutions--to all of the unprecedented challenges ahead--depends on understanding, and responding respectfully to, “a mix of economic, cultural and psychological barriers.”

*“Changing how billions of people live on Planet Earth is a very special kind of problem, as the forces that shape our lives exist on many different levels. Rather than an unresolved technical challenge, it is increasingly accepted that we face a mix of economic, cultural and psychological barriers.”*

[from the “Zero Carbon Britain: Raising Ambition” webpage (a project of the Centre for Alternative Technology) (see p. 32 in the “Zero Carbon Britain: Raising Ambition” document at <https://www.cat.org.uk/info-resources/zero-carbon-britain/research-reports/zero-carbon-britain-raising-ambition/> )]

16) It is difficult to sort out what are the most important pathways for citizens everywhere to invest their time, energy, and money--as in how people “invest” their time, energy, and money in the everyday

circumstances of their lives, and how that leads to the kind of economies we have. This writer believes we need anyone anywhere to be able to examine, learn, and then *know* what their own personal best action plan efforts will look like. (For more about what citizens can do, see (especially) p. 32-36 in Section IV on “Community Visioning...”]

17) Conflicts may arise, among people with different, but very personal, beliefs--especially when basic resources (like water and food) become scarce. (see Appendix 6)

18) There has been, and it is very likely there will be in the future, an increase in migration Issues: “We are now witnessing the highest levels of displacement on record.” [From the webpage “Figures at a Glance” at the website of the United Nations High Commissioner for Refugees (UNHCR) (at <https://www.unhcr.org/en-us/figures-at-a-glance.html>)]

a) “In 2017, there were 30.6 million new displacements associated with conflict and disasters across 143 countries and territories.” “39% of new internal displacements were triggered by conflict and 61% by disasters.” [From the “Global Report on Internal Displacement” at the website for the Internal Displacement Monitoring Centre (IDMC) (at <http://www.internal-displacement.org/global-report/grid2018/> ) (which includes some very helpful graphics)]

b) “By the end of 2017, 68.5 million individuals were forcibly displaced worldwide as a result of persecution, conflict, violence or human rights violations...” [From the webpage “Global Trends: Forced Displacement in 2017” at the website for the United Nations High Commission for Refugees Refugees (at <https://www.unhcr.org/globaltrends2017/> )]

19) Human Morality is Not a Constant....

a) Unfortunately, there are many people in our communities who--regardless of the difficulties and urgencies associated with resolving multiple crises--choose to focus their attention on trying to make money by preying of people’s fears, manipulating people’s trust, and/or encouraging people to abandon hope in higher aspirations, and indulge in unhealthy, or immoral behavior. Such behavior is clearly counterproductive to the building of caring communities; it can be very dangerous for community morale; and it can become a crippling obstacle in times of crises.

*b) There are very real possibilities that our best efforts to achieve a 100% reduction in Greenhouse Gas Emissions in time to avoid irreversible and catastrophic Global Heating--and our best efforts to resolve numerous other unprecedented challenges--could be crippled by cultures of violence, greed, corruption, cynicism, and overindulgence, which have been a part of our human heritage for thousands of years.*

c) Well-known critical challenge assessments and solution guides (see Appendix 7 “Human Morality is Not a Constant...”) do not give serious attention to variations in human morality as a significant factor affecting the nature of the challenges of our times... *even now, when we are in uncharted territory, in need of the most unprecedented cultural transformation in the history of life Planet Earth, and living the most complex cultural landscapes ever created.*

*[... (and so) continuing from p. 17....]*

*having carefully reviewed and re-evaluated all of the 19 points above,*

---

this writer has become very energetically motivated  
to re-calibrate his assessment of our current circumstances.

---

This writer

1) is now advocating for a Brainstorming 100% reduction in Greenhouse Gas Emissions ASAP Campaign,  
(with ASAP meaning what we can do most urgently, with maximum engagement)

and

2) has provided a 30 category list of 616 organizations and institutions (described by their Twitter profiles in Appendix 10) as examples of key recipients of a first call for 5-10 page overviews on how to achieve 100% ASAP.

This writer continues to believe

1) that thousands of such 5-10 page overviews, from highly credible organizations in different fields of activity, can remove any doubt of the evidence-based reality behind the urgent need to make a cultural transformation to a Zero Carbon Emissions World ASAP--and the nuts-and-bolts solutions we need to implement to achieve such a cultural transformation, in communities around the world

2) that 100-150 of the most relevant overviews can be used as needs assessments of the kind which precede local Community Visioning Initiatives



3) that thousands of Community Visioning Initiatives, in communities around the world, will significantly assist the unprecedented cultural transformation to a Zero Carbon Emissions World [Note: If a 1.5C limit is to be achieved, someone born in 2017 will have to use just over an eighth of the CO<sub>2</sub> of someone born in 1950)(see <https://www.theguardian.com/environment/2019/apr/10/climate-crisis-todays-children-face-lives-with-tiny-carbon-footprints> )]

4) that we must be careful about what we are trying to preserve--as in carry into the future. Many of the “benefits of advanced civilization” may become burdens instead of benefits, if we try to carry them into a future involving drastically reducing Greenhouse Gas Emissions--where even the smallest of positive margins might cause a tipping point go our way.

5) that an exponential increase in compassion for our fellow human beings will need to become an essential and critical element of a truly comprehensive response to the challenges of our times. In such circumstances, we cannot afford to exclude from our “tool boxes” the time-tested sources which have helped people learn compassion over many centuries. What we need to do instead is to learn how to cultivate the time-tested sources so that the sources yield the treasured wisdom.

However, he is now adding to his priority list for action (as a result of conclusions he has come to compiling this paper)

a) When voluntary limiting of energy use during a Climate Emergency does not occur, choices can, and should be made by businesses, industry, and citizens, etc. to do selective buying: that is, to purchase only absolutely essential goods and services--and only from entities who are in partnership with drastically reducing Greenhouse Gas Emissions. If this kind of selective buying is done in cooperation with Brainstorming 100% ASAP Campaigns, and thousands of Community Visioning Initiatives with supporting Neighborhood Learning Centers, it may be manageable... and it may be enough of a downsizing of the Total World Energy Demand to match up with the efforts at establishing electric grids with 100% renewable energy sources.

b) See also Appendix 8 “Interfaith Prayer Vigils”

### III. How Does the Brainstorming 100% Reduction in GHG Emissions ASAP Campaign Work?

This Brainstorming 100% ASAP Campaign proposes to streamline to the frontlines of public discourse the best 5-10 page overviews of how we can achieve a 100% reduction in Greenhouse Gas Emissions by 2030--and thereby catalyze local Community Visioning Initiatives, and contribute significantly to maximizing “all hands on deck” participation in positive tipping point activity.

The Brainstorming 100% ASAP Campaign is based on brainstorming, “casting back”, community visioning, citizen engagement, crowdsourcing, and other collaborative problem solving approaches involving a community of stakeholders, some known or unknown set of challenges--and either preconceived, or organically developed, goals.

[Note: And it cannot be said often enough that the community of stakeholders involved in decisions which could irreversibly damage the prospects of life on Planet Earth needs to include as many of the billions of people living now as possible--and needs to also consider the prospects of people, ecosystems, and other life forms not yet born.]

The Brainstorming 100% ASAP Campaign identifies organizations and institutions which are already contributing in trustworthy, verifiable, visible, and peer-evaluated ways to guiding public discourse towards achieving 1.5°C (2.7°F). The Campaign then asks them to provide a 5-10 page overview of how we will decrease emissions 100% ASAP.

*Further, since there are still three to eight decades of unprecedented cultural transformation ahead of us--*

as there will be adjusting to do for decades to come, to re-establish socio-economic equilibriums which represent some kind of harmony between a higher, but stabilizing Global Temperature, and Earth’s Ecosystems... and since there are numerous other unprecedented challenges still to resolve (see list on p. 19)... (if we do accomplish stabilizing the Global Temperature)

--the Brainstorming 100% ASAP Campaign also makes a call for 5-10 page overviews from organizations and institutions critical to education, ecological sustainability, communication, access to basic needs, emergency assistance, social cohesion, preserving the roots of wisdom and compassion, etc.

*--as such organizations and institutions are directly or indirectly related to Climate Breakdown mitigation... and as part of the many steps still required to provide a most comprehensive picture of what actions need to be prioritized at the local community level [understanding that such prioritization, done during Community Visioning Initiatives (or other collaborative problem solving), will be local and regional specific].*

Yes, it is true—

- a) there has been numerous very valuable reports (over many decades) which have involved experts who are highly respected in their fields of work (see Appendix 7 for a list of fourteen representative and well-known examples of critical challenge assessments and solution guides )
- b) such reports have very rigorous review processes (the IPCC reports review process is much more exhaustive than the peer-review process of a professional journal)[see [“The IPCC: Who Are They and Why Do Their Climate Reports Matter?”](#) (Union of Concerned Scientists article)]
- c) there are already many charts and flowcharts for where the most reductions in GHG emissions can be achieved (Examples: “Project Drawdown Solution List” on p. 5-6, and a chart from the UNEP Emissions Gap Report (2018) on p. 11)
- d) and essential steps have been taken, and are now being taken, towards realizing goals in those prioritized areas [Ex: very intensive build-up of renewable energy capacity (solar and wind in particular)(see June 18, 2019 article [“The global transition to clean energy, explained in 12 charts: Despite all the progress, we’re still struggling to hit the climate emergency brake”](#) by David Roberts)]

However,

- 1) there are too many people *who do not have any idea* how many organizations and institutions are already contributing in trustworthy, verifiable, visible, and peer-evaluated ways to guiding public discourse towards achieving 1.5°C (2.7°F).
- 2) there is a whole dimension of opportunities to reduce GHG Emissions by voluntarily decreasing consumption--especially in the overdeveloped parts of many countries, where such voluntary cutbacks would make significant contributions (as in lowering the energy requirements which renewable energy sources need to supply)
- 3) it will be easier for ordinary citizens--who are not experts in the professional and academic fields of activity associated with reducing Greenhouse Gas Emissions--to understand 5-10 page overviews.
- 4) there are billions of people who could be investing their time, energy, and money (their “votes”) in the everyday circumstances of their community life--*and such “votes” could lead to countless ways of earning a living which are carbon-neutral, sustainable, socially responsible, and spiritually meaningful--if they only knew how.* [Thus, the need for the Community Visioning Initiatives, with many supporting Neighborhood Learning Centers (see especially p. 32-36 in Section IV “Community Visioning”)]

And yes, it’s true--many of these 5-10 page overviews will have similarities.

However, this Campaign believes that the accumulation (of thousands) of short-enough-for-many-people-to-read, evidence-based overviews by many of the most trusted organizations and institutions in the world--which are saturated with doable solutions (including solutions which can be put into practice

by citizens everywhere)--can catalyze local Community Visioning Initiatives in communities around the world, and contribute significantly to maximizing “all hands on deck” participation in positive tipping point activity.

And yet... if we “step on the accelerator” with “all hands on deck”, and reduce Greenhouse Gas Emissions to Zero, and limit Global Heating to 1.5°C-2.0°C (2.7°F-3.6°F), we are still in uncharted territory regarding how ecological balance is achieved in a 1.5°C-2.0°C (2.7°F-3.6°F) world (and there are still numerous other unprecedented challenges—see p. 19)

So--although we may think we have most of the solutions we need already, there may be many blind spots in our thinking.

In other words, we should be vigilant about keeping in mind that limiting global warming to 1.5°C-2.0°C (2.7°F-3.6°F) is a very, very complex challenge.

It is very likely that much will happen, both in a negative way, and in a positive way, which we cannot yet foresee.

Therefore, this Brainstorming 100% ASAP Campaign also makes an open call for papers to people from all varieties of educational backgrounds, economic circumstances, occupations, cultural backgrounds, and cultural world views--and asks them to submit a 5-10 page overview of how we will decrease emissions by 100% ASAP. (And the campaign will accept submissions even if they are written with a crayon on a piece of a paper bag... though the preferable form would be Word file/Pdf file by email, as translations can be more easily managed.)

We are at one of the most critical crossroads in the history of life on Planet Earth. We need to encourage as many people as possible to be thinking--and thinking to the point of brainstorming--about how we will decrease emissions by 100% ASAP. Anyone who has been a part of a Community Visioning exercise will understand that there are many ways and means which will help us achieve our goals which have not yet been brought up to the fore of public discussion. And even further: we--collectively--are far from having had significant public discussion on the full dimensions of the unprecedented challenges ahead (and solutions suggested) using the projections and analysis we already have. We need to discuss this matter thoroughly, even to the point of workshops and informal discussions--in Neighborhood Learning Centers--in communities around the world.

---

Then we will be coming closer to understanding how much we need to be learning to be a part of the solutions, and how much we need to be on the same side helping each other.

---

If this Brainstorming 100% ASAP Campaign is sufficiently supported (especially by universities and colleges--higher education)--

and especially by municipalities which have already declared a Climate Emergency--(“over 650 local governments” (as of 6/26/19)(see <https://www.theclimatemobilization.org/climate-emergency-campaign>)

--it will be a matter of recognized social responsibility—(as in the [global disclosure system CDP has developed](#) for investors, companies, cities, states and regions to manage their environmental impacts)—for organizations and institutions to provide their 5-10 page overview. And those who do not participate will be so noted, in a way similar to having a showing, or not having a showing, in the Princeton Review’s “Top 50 Green Colleges” ([press release for the 2018 listings](#) ).

---

Thus, news sources, and/or citizens everywhere, will have a quickly accumulating--and highly relevant to their future well-being--compilation of public statements to explore, discuss, learn from, and act on.

---

Additionally, since this necessary cultural transformation needs to happen very quickly, news sources--and Brainstorming 100% ASAP Campaign clearinghouse websites--will be able to provide timely updates to such overviews.

When 100-150 of these kinds of 5-10 page overviews have been accumulated, and vetted for factual accuracy, social responsibility, practicality and replicability, cost effectiveness, and etc., such a collection of overviews can function as a “needs assessment”--of the kind which precedes local Community Visioning Initiatives.

Having such a “needs assessment” will help leaders and organizers at the local community level illustrate the need for Community Visioning Initiatives, and for many supporting Neighborhood Learning Centers.

#### IV. Community Visioning Initiatives: Critical for a Just and Peaceful (and Successful) Transition

Community Visioning Initiatives (CVIs) are series of local community meetings designed to maximize citizen participation in identifying challenges, and in identifying solution-oriented activity. The more comprehensive Community Visioning Initiatives (6 months to 18 months) require steering committees; preliminary surveys or needs assessments; task forces; workshops; and collaboration between many organizations, government agencies, businesses, and educational institutions--and seek to build up consensus in the community for specific goals and action plans by encouraging a high level of participation by all residents.

Keeping in mind that---

initial efforts to implement the Community Visioning phase of this Brainstorming 100% ASAP Campaign should focus on small regional areas, which have many universities and communities that are already advancing quickly towards being models of positive tipping point action--and municipalities which have already declared a Climate Emergency ("over 650 local governments" (as of 6/26/19)(see <https://www.theclimatemobilization.org/climate-emergency-campaign> )--

so that the initial case study reports on results from the Community Visioning process will illustrate the most significantly positive action plans--

---the kind of Community Visioning this writer is advocating for is summarized by the list below.

(A) Preliminary surveys of 150 key local leaders from a significant variety of fields of activity.

Such preliminary surveys would be accompanied by a link to the best 100-150 5-10 page overviews--

--by organizations and institutions guiding public discourse towards achieving 1.5°C (2.7°F)

--by organizations and institutions in a variety of fields of activity which are critical to Global Heating and Climate Breakdown mitigation, education, ecological sustainability, communication, access to basic needs, emergency assistance, social cohesion, preserving and applying wisdom and compassion, etc.

--and by some of the countless other individuals who have responded to the call for 5-10 p. overviews

—and such preliminary surveys would ask local leaders to assess challenges and solutions for their community based on a) the solutions suggested by the 100-150 overviews they have been directed to review b) the resources and challenges which represent the context of their local community or region

c) and, if they wish, the thousands of 5-10 page overviews accumulated by the “Brainstorming” Campaign (accessible at a Campaign website).

---

*The results of these key local leader preliminary surveys would be published in local newspapers, thus helping with the process of raising awareness in public discourse--and would inform priorities for the local Community Visioning Initiative, and workshops in Neighborhood Learning Centers.*

---

(B) Universities and colleges assisting with Community Visioning (Example Community Visioning--the 13 minute documentary [“Chattanooga: A Community with a Vision”](#) ) (*highly recommended*)

[The “Chattanooga: A Community with a Vision” video, while carried out as a more general community revitalization project, includes many interviews and how-to details, and documents two very successful Community Visioning Initiatives organized by the non-profit organization Chattanooga Venture (Chattanooga, Tennessee USA)--one in 1984, and a follow-up in 1993. The 1984 Chattanooga Community Visioning Project (“Vision 2000”) attracted more than 1,700 participants, and produced 40 community goals--which resulted in the implementation of 223 projects and programs, and a total financial investment of 793 million dollars.]

1) Universities and colleges--which have already advanced to the point of recognizing and implementing Climate Breakdown mitigation solutions--will be natural lead organizations for building the partnerships necessary to carry out Community Visioning Initiatives in their local community (or, at least, for the first “wave” of Community Visioning Initiatives).

2) Local governments which have already declared a Climate Emergency (“over 650 local governments” (as of 6/26/19)(see <https://www.theclimatemobilization.org/climate-emergency-campaign> ) are also natural lead organizations for building the partnerships necessary to carry out Community Visioning Initiatives.

---

Special Note (repeated for emphasis): Having very positive initial case studies from the Community Visioning (with many supporting Neighborhood Learning Centers) pilot projects will be very important to assist with the quick adaption of the Community Visioning approach by many other communities and regions. So this writer advocates for identifying universities, colleges, local governments, and in general communities and regions, which have advanced to the point of recognizing a Climate Emergency, and have action plans towards positive tipping points, which they are going forward with--because we still have a very long way to go

(and many communities can “leap frog” once they see where these pilot projects are going)

---

(C) Many Neighborhood Learning Centers providing support for Community Visioning Initiatives; and providing places, in local neighborhoods, for discussion, information sharing, mutual support and encouragement, fellowship and friendship--so that the exchanging of information and resources also includes the building of close-knit communities of people with a healthy appreciation for each other's strengths

1) Universities, colleges, education organizations, and other organizations, could increase their existing efforts, or take up the call, to develop related curriculum and offer classes, workshops, and teacher training, to support the development of Neighborhood Learning Centers

2) "In 1912, Rosenwald provided funds for a pilot program involving six new small schools in rural Alabama, which were designed, constructed and opened in 1913 and 1914 and overseen by Tuskegee; the model proved successful. Rosenwald (then) established The Rosenwald Fund. The school building program was one of its largest programs. Using state-of-the-art architectural plans initially drawn by professors at Tuskegee Institute, the Rosenwald Fund spent over four million dollars to help build 4,977 schools, 217 teachers' homes, and 163 shop buildings in 883 counties in 15 states, from Maryland to Texas. The Rosenwald Fund used a system of matching grants, and black communities raised more than \$4.7 million to aid the construction. These schools became known as Rosenwald Schools. The local schools were a source of much community pride and were of priceless value to African-American families when poverty and segregation limited their children's chances. By 1932, the facilities could accommodate one third of all African American children in Southern U.S. schools."

[From the Wikipedia webpage for "Booker T. Washington" in the sections "Wealthy Friends and Benefactors" and "Julius Rosenwald" (at [http://en.wikipedia.org/wiki/Booker\\_T.\\_Washington](http://en.wikipedia.org/wiki/Booker_T._Washington)) (note: current text at the Wikipedia webpage has been revised, in a good way, to provide more detailed information. However, because the following text is concise, this writer retains the older version.)]

3) People from every variety of economic circumstances, and every variety of educational and cultural backgrounds, can learn much through participation in Community Visioning Initiatives, and involvement in Neighborhood Learning Centers.

a) How all the "little events" in everyday community life have a positive and cumulative effect

There are billions of people who could be investing their time, energy, and money (their "votes") in the everyday circumstances of their community life--and such "votes" could lead to countless ways of earning a living which are carbon-neutral, sustainable, socially responsible, and spiritually meaningful--if they only knew how.

This point refers to the following "cause-effect" relationships:



--The ways we “invest” our time, energy, and money have a direct impact on the “ways of earning a living” that are available.

--The investments of time, energy, and money that each of us make in our everyday circumstances becomes the larger economy.

Thus, through workshops and other informal education (and associated local learning networks), people everywhere need to gain greater awareness of how all the “little events” in everyday community life have a positive and cumulative effect on the challenges-solutions-investment-training-employment sequence... and thus how all the investments of time, energy, and money (the “votes”) each of us make in our everyday circumstances become the larger economy. *Citizens from every variety of circumstances can learn how to wisely cast such “votes”.* Wisely directed, such “votes” can result in countless ways of earning a living which contribute to the peacebuilding, community resilience, and ecological regeneration efforts necessary to resolve the Climate Emergency--and other unprecedented challenges--at the same time. As the ancient Chinese proverb says: “Many hands make much work light.”

b) Selective buying--for the carbon neutral and circular local economies

To be even more specific: this writer believes that education during the process of a comprehensive Community Visioning Initiatives, and especially in Neighborhood Learning Centers, can result in residents everywhere knowing a) if they are in an area of surplus (in which case their surplus may help others with emergency needs) b) where to buy what material purchases they absolutely needed to make--so that they contribute the most possible to carbon-neutral supply chains c) what kind of businesses to boycott so that the most carbon neutral and circular local economies can be established in the shortest amount of time; etc. If this kind of selective buying is done in cooperation with Brainstorming 100% ASAP Campaigns, and thousands of Community Visioning Initiatives with supporting Neighborhood Learning Centers, it may be manageable... and it may be enough of a downsizing of the Total World Energy Demand to match up with the efforts at powering electric grids from 100% renewable energy sources. And once it becomes clear that local residents are “getting together” on purchasing, and that many local communities are going to “drive” economies from global to local-and- regional, changes may come more quickly in the upper echelons of governments, international corporations, international banks, etc., which have been slow to respond to this Climate Emergency.

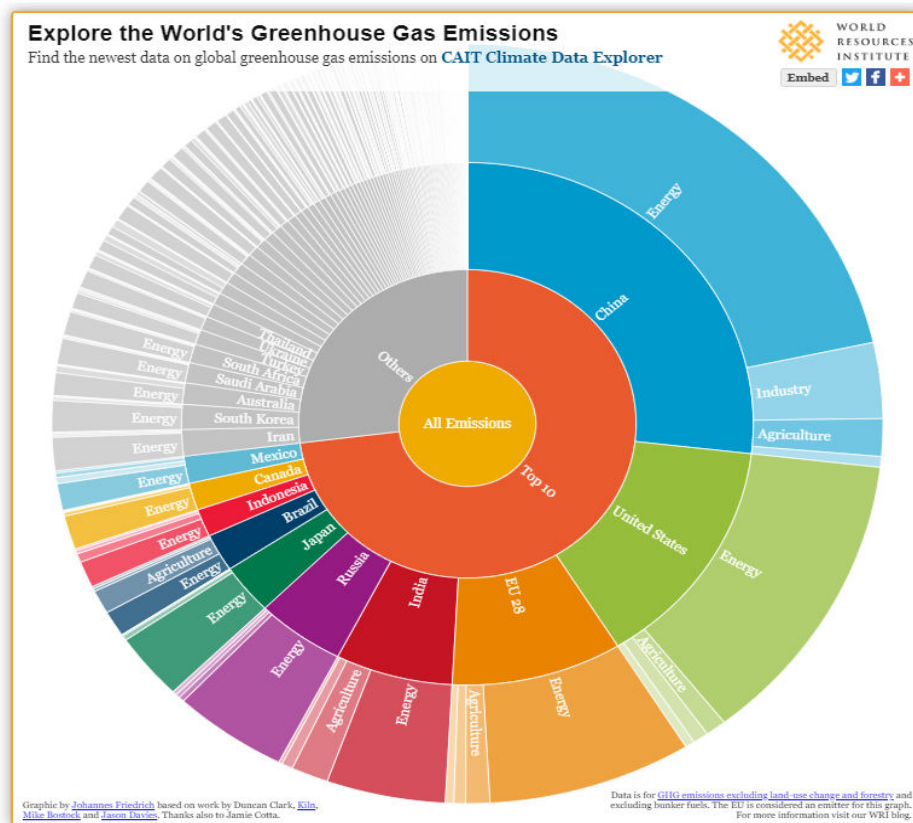
In this context, it will be helpful to remember that such cultural transformation at the grassroots level (billions of people, and their “votes”) is exactly how the [“100 companies responsible for 71% of global emissions”](#) (Guardian) (CDP’s [“Carbon Major Report 2017”](#) ) found their way to the positions they now hold in the “status quo”. [i.e. No amount of money-power or political power can force people to accept a way of life which requires buying extremely harmful products--if those people are determined enough, and if they are well-organized.]

If the goal is to resolve Climate Breakdown, and many other related challenges ahead--in a very short window of time--then it would seem necessary to exponentially increase the number of actively engaged citizens--citizens who (thus) have a much more comprehensive sense of civic duty. It's not like mobilizing for war, where there will be drill sergeants and basic training, but people should begin to realize: problem solving on a scale most of us have never known before means there is a lot of work to do.

---

A Key Example: there are *countless numbers of "things people can do in the everyday circumstances of community life"* which can have a significant cumulative effect on reducing Total World Energy Demand-- which is the greatest contributor to Global Greenhouse Gas Emissions

---



[Pie Chart above is from article "This Interactive Chart Explains World's Top 10 Emitters...." (2013 data) by Johannes Friedrich Johannes Friedrich, Mengpin Ge and Andrew Pickens (April 11, 2017) at the World Resources Institute (WRI) website (see <https://www.wri.org/blog/2017/04/interactive-chart-explains-worlds-top-10-emitters-and-how-theyve-changed>)] [Note: the 2013 data still seems relevant in 2019 with regard to which countries emit the most Greenhouse Gas Emissions, and the relative size of the energy related emissions.]

---

Special Summary Note Regarding the Potential of Individuals Working Together

(with repetition, for emphasis)

Responsible actions by national governments, international corporations, international banks, international investment entities, international NGOs, etc. (of key components of the global economy and global policy making) are essential, to avoid irreversible and catastrophic Global Heating and Climate Breakdown--and helping such entities fully realize their responsibilities and obligations is critical work. However, it is possible for enough individuals to recognize the kind of decisions we need to make about what kind of economies and lifestyles we carry into the future, and decide that we must downsize Total World Energy Demand drastically to be realistic about reining in irreversible and catastrophic Global Heating and Climate Breakdown--and to help resolve many other challenges (see p. 19). And if we downsize drastically, through careful *just transition* work during thousands of Community Visioning Initiatives, we (individuals) can cause the same unprecedented positive change we are now seeking without being dependent on what governments and international entities do. And once they (the governments and international entities) see this, and understand that, in the long run, their influence is going to be undermined if they continue to lag behind about their responsibilities, there will surely be more and more people working together, on the same side, helping each other.

---

(D) Local Newspapers reporting on--

- 1) preliminary surveys of 150 key local leaders from a variety of fields of activity involving identifying challenges and solutions [surveys initiated with the support of the 100-150 best overviews (above) by the 616 organizations and institutions (and other submitters)]—the results of which would inform priorities for Community Visioning, and the many supporting Neighborhood Learning Centers workshops
- 2) the different stages of the Community Visioning process: preliminary surveys; assembling a steering committee; planning and coordination with a variety of local leaders; brainstorming meetings identifying challenges; workshops prioritizing the challenges; brainstorming meetings identifying solutions; workshops prioritizing the solutions; providing access to priority solutions and action plans in a large meeting center (so that citizens can mark preferences and decide where they will participate); etc]
- 3) the countless workshops, and other informal learning, at Neighborhood Learning Centers
- 4) the job fairs at the end of the Community Visioning process
- 5) And, in addition, local newspapers establishing a new section in the paper, which might be called “Neighbor to Neighbor Community Education”. This new section would be used to highlight and accumulate stories, personal experiences, and other forms of reader contributions which identify helpful people and valuable resources, and reinforce important community goals. (Step 13 in the CPCS Initiative document [“Growing Wisdom and Compassion in Small Communities \(13 Steps\)”](#) is a longer overview of this idea)

(E) Residents (especially those who are unemployed) who volunteer time and energy to assist with Community Visioning and Neighborhood Learning Centers--and to advance resulting action plans--receiving, as compensation, local currency (which, because it can only be spent in local community business, helps support the local economy)

1) Example: “Launched in the fall of 2006, BerkShares had a robust initiation, with over one million BerkShares circulated in the first nine months and over 4.3 million to date. Currently, more than four hundred businesses have signed up to accept the currency. Five different banks have partnered with BerkShares, with a total of thirteen branch offices now serving as exchange stations.” [From the “Local Currency” webpage at the website for the Schumacher Center for a New Economics (at <http://www.centerforneweconomics.org/content/local-currencies> )]

2) Resources: The only collection of its kind in North America, the Local Currency Archives contain a wide variety of materials gathered from over fifty different alternative currency projects around the globe. The collection represents the work of hundreds of community activists and leaders in the field such as Paul Glover of Ithaca HOURS and Thomas Greco of Tucson Traders. An invaluable tool for both researchers and citizen activists, the LC Archives make possible the comparative study of various currency models such as TimeBanking, barter systems, and HOURS.” [from the “Local Currencies Project” webpage at the website for the Schumacher Center for New Economics (at <https://centerforneweconomics.org/apply/local-currencies-program/> )]

(F) The job fairs at the end of the Community Visioning Initiative process, which provide opportunities for all key stakeholders in the community (businesses, organizations, institutions, government, etc.) to demonstrate their upgraded awareness--and their interest in the welfare of the community--by offering and facilitating new employment opportunities.

(G) Local leaders of religious/spiritual traditions stepping up on every frontline possible to help people understand the urgent need to—

- 1) sacrifice personal desires for the greater good
- 2) choose forgiveness, and reconciliation--*and abstaining from violent conflict resolution*--as a way of bringing cycles of violence to an end and
- 3) create community life and cultural traditions which “... bring to the fore how many good people there are, how many ways there are to do good, and how much happiness comes to those who extend help, as well as to those who receive it”.

Thus--

Many Colleges and Universities assisting with carrying out local Community Visioning Initiatives  
 + many supporting Neighborhood Learning Centers  
 = an exponential acceleration in solution-oriented activity.

1000 time-intensive Community Visioning Initiatives, in communities around the world, would create—  
 --an exponential acceleration in solution-oriented investment  
 --an exponential acceleration in solution-oriented employment and  
 --an exponential acceleration in our collective capacity to overcome the challenges of our times.

(H) Additional Note--Can We Afford 1000 Community Visioning Initiatives?

The more comprehensive Community Visioning Initiatives (6 months to 18 Months) require steering committees; preliminary surveys or assessments; workshops; task forces; and collaboration between many organizations, government agencies, businesses, and educational institutions--and seek to build up consensus in the community for specific goals and action plans by encouraging a high level of participation by all residents.

This writer offers a *rough* estimate of \$10 million to carry out one (1) time-intensive (possibly 18 months) Community Visioning Initiative of the kind he advocates for [which may include ideas from the CPCS Initiative document [“A 15 Step Outline for a Community Visioning Initiative”](#) (28 pages; 2008); this Community Visioning *plus* outline; the 13 minute documentary [“Chattanooga: A Community with a Vision”](#) (*highly recommended*)--and possibly ideas from more advanced citizen engagement approaches (Note: this writer is familiar with some of the more advanced approaches involving digital processing of stakeholder input; however, he is strongly in favor of face-to-face brainstorming meetings and prioritizing meetings, as there is a personal dynamic component, which may cause many “light bulb” moments; which will also surely be a context for friendship, and partnership, formation; and which would develop and deepen our collaborative problem solving skills (which we now most emphatically need )].

Here are 6 different ways of looking at where 10 billion dollars might come from, so that 1000 communities could carry out Community Visioning Initiatives (Note: although these statistics were originally sourced in 2011-2012, the points that they make will still be valid).

- 1) \$10 billion is only .005% of the \$207 trillion in personal wealth held by the richest 10 percent.
- 2) \$10 billion is only .57% (a little more than half of 1%) of \$1.75 trillion in world military expenditures in 2012.

- 3) \$10 billion is 1.8% of (est.) \$557 billion in worldwide advertising spending in 2012.
- 4) \$10 billion is 2.4% of the \$419 billion of worldwide gambling revenues in 2011.
- 5) \$10 billion is 6% of the \$162 billion people in the United States spent on beer, wine, and liquor in 2011.
- 6) If 18% of cable TV subscribers in the United States unsubscribed from cable TV, they could re-direct that money to finance 1000 Community Visioning Initiatives.

We are at the one of the most critical crossroads in the history of life on Planet Earth. Confidence will be built up when people believe that the efforts of everyone working together is a greater force than the challenges they are facing.

#### l) Concluding Note about Different Kinds of Community Visioning Initiatives

Keep in mind that the outline of a Community Visioning *plus* approach provided above, and the documentary video [“Chattanooga: A Community with a Vision”](#), reflect only this writer’s personal preferences.

In other words--

--once the need for unprecedented forms of collaborative problem solving and community education become more commonly accepted

--once the natural creativity and capacity for innovation which we human beings have shown ourselves capable of becomes more focused on designing collaborative problem solving and community education models

--and once Community Visioning Initiatives are implemented on a scale which matches the urgency of the times

---there will surely be numerous examples of Community Visioning which prove to be comprehensive and effective.

## V. Being Practical About Defining Success

At some point, significantly less energy-intensive lifestyles--especially for people in the richest parts of the world--might look like a very good trade-off... when compared to irreversible and catastrophic Global Heating and Climate Breakdown. What if there were polls taken--every 6 months for the next five years--which asked people in the richest parts countries around the world the following two questions (to discover what % of people who would respond "highly content" to #1, and "I believe it, and there is much evidence to support it" to #2)?

1) Please choose the phrase which would best describe your feelings about living a significantly less energy-intensive lifestyle--which still had the following list of basic essentials--for the duration of the Climate Emergency

- a) A clean and beautiful environment
- b) Adequate provision of clean drinking water
- c) Adequate provision for safe sanitation
- c) Minimal supplies of clothing
- d) Adequate and balanced nutrition
- e) Simple housing
- f) Basic health care
- g) Basic communication facilities
- h) A minimal supply of energy
- i) Holistic education
- j) Satisfaction of intellectual and cultural needs

Phrases respondents would choose from (or variants):

- ( ) "highly content"
- ( ) "somewhat content"
- ( ) "difficulties changing from high energy-intensive lifestyle, but believe it was necessary, so adjusting okay"
- ( ) "resentful--still preferring much that we had to sacrifice"
- ( ) "angry, and still believing that Climate Change is a hoax designed to deprive people of their rights"

and

2) Please choose the phrase which would best describe your feelings about the following statement:

“It is possible to create, support, and sustain communities which can minimize resource requirements, maintain ecological sustainability, maintain a high level of compassion for fellow human beings--and which represent what a significant majority of community residents surveyed would describe as a high quality of life.”

Phrases respondents would choose from (or variants):

- ( ) “I believe it, and there is much evidence to support it”
- ( ) “I believe it—and there is sufficient evidence to support it”
- ( ) “I would like to believe it, but there isn’t much evidence to support it”
- ( ) “It is difficult to believe, with the way things are going now”
- ( ) “I don’t believe it—there is no evidence to support it”

The point here: “Success” (in achieving 100% reduction in GHG Emissions) for different communities, and different countries, might be defined in many different ways.

This writer prefers priorities (for urgently and drastically cutting global emissions) be given to small cities, towns, and villages:

- which have less complex infrastructure and less complex vulnerabilities
- which are more sustainable-friendly in the long run
- where more emphasis can be given to downsizing and focusing on what basic necessities are most needed
- where it is easier to see the consequences of our actions and
- where a truly natural circular economy (sewage treatment; food miles; less packaging; zero waste; etc.) is much easier to implement, and more likely to actually happen.

This writer believes that if many people could see and feel the practical value of carrying out the kind of collaborative problem solving and community education initiatives advocated for by this paper (Brainstorming 100% ASAP; Community Visioning; Neighborhood Learning Centers; etc.), such collaborative, solution-oriented activity could become a common experience... a common cultural tradition... a cultural tradition which can link many diverse communities of people together, in a fellowship of people working towards the greater good of the whole... and a cultural tradition which can help pass on to future generations the most treasured wisdom human beings have accumulated in more than 5,000 years of human history.



## VI. An Appeal to Those Inclined to Religious and Spiritual Beliefs

This writer believes it is becoming more and more likely that an exponential increase in compassion for our fellow human beings will need to become an essential and critical element of a truly comprehensive response to the challenges of our times. In such circumstances, we cannot afford to exclude from our “tool boxes” the time-tested sources which have helped people learn compassion over many centuries. What we need to do instead is to learn how to cultivate the time-tested sources so that the sources yield the treasured wisdom.

Thus, this writer believes it is now essential for us to access the storehouses of wisdom and compassion (people, sacred texts, codes of conduct, special disciplines and practices, etc.) which have accumulated over the many centuries of human experience, and which have been confirmed again and again as essential to individual well-being and social harmony by the saints, sages, spiritual leaders, and sincere practitioners of all religious, spiritual, and moral traditions.

Fortunately, as a result of the unprecedented opportunities created by the expansion of the Internet, we have now arrived at a very auspicious moment in time... for at no other time in the course of history has so many people had access to so much in the way of time-tested guidelines, inspiring role models, and service-oriented initiatives relevant to peace, prosperity, and happiness for all humanity.

Local leaders of religious/spiritual traditions need to step up, and demonstrate that their traditions have within them sources of inspiration which can guide people to appreciate wisdom and compassion, and learn how to live accordingly.

Specifically, local leaders of religious, spiritual, and moral traditions can step up on every frontline possible to help people understand the urgent need to

- a) sacrifice personal desires for the greater good
- b) find contentment and quality of life while consuming less material goods and ecological services
- c) prefer peacebuilding which supports and actualizes mutually beneficial understandings, forgiveness, and reconciliation—*and which abstains from violent conflict resolution*—as a way of bringing cycles of violence to an end
- d) use resources carefully, so that there is surplus available for emergency assistance
- e) support community life and cultural traditions which “... bring to the fore how many good people there are, how many ways there are to do good, and how much happiness comes to those who extend help, as well as to those who receive it”.

---

Thus, there is now a great responsibility on people who are in any way representatives of religious, spiritual, and/or moral traditions--to demonstrate what is possible along the lines of wisdom and compassion, to provide genuine instruction when sincere efforts are being made, to contribute to the greater good of the whole, and to help restore confidence in the higher values of life.

---

All readers have to do is think of what kind of difficulties we may, or will, face in the unprecedented cultural transformation ahead of us... and it will dawn upon them how much they will be hoping that the people they need to cooperate with in their local community have been inspired--*somehow*--to think carefully, act honestly, work diligently, and have compassion for their fellow human beings, in all the circumstances of their lives.

In addition: this writer personally believes

- a) Faith helps move belief from “it hardly seems possible” to “it must be possible”, since Faith believes Love will prevail.
- b) there is a more advanced and more benevolent spiritual entity (“energy”), with a kind of existence which is beyond what we can know or understand--and that such an entity (“energy”) does actually count for something in overcoming the difficult challenges ahead.
- c) “Such an entity” (with what Name different cultures have given “It”) can do anything.
- d) Now would be a good time for people of Faith to join in “Interfaith Prayer Vigils”--which could be formed, and maintained (24/7 if possible), by members of any local places of worship and/or local spiritual fellowships with the desire to serve in this way. (see “Interfaith Prayer Vigils” in Appendix 8)

Also, another of this writer’s Summary Papers for the CPCS Initiative--recently retitled [“Growing Wisdom and Compassion in Small Communities \(13 Steps\)”](#) [formerly “13 Steps for Long Term Culture Change” (78 pages,; May, 2017)]--gives much attention to the difficult challenge of integrating wisdom and compassion into the everyday circumstances of community life--at this critical time when wisdom and compassion are so urgently needed (see Appendix 9 for a quick reference overview of the 13 Steps).

## Appendix 1

### Appendix 1

#### How Much Time We Have--Nine Projections (2003-2019)

There has been much analysis, and many projections made, about how much time we have to achieve a 50% reduction in Greenhouse Gases to limit global warming to 1.5°C (before negative feedback loops carry us into catastrophic and irreversible global warming).

Below are nine examples of projections made from 2003-2019. It is especially worth noting that Lester Brown and his associates (at Earth Policy Institute), were (in 2003)[see 1]) suggesting that we cut “global carbon emissions in half by 2015”; and were (in 2008-2009) [see 2), and 3]) advocating for a “worldwide cut in net carbon emissions of 80 percent by 2020”--as “what would it take to have a decent shot at saving the Greenland ice sheet and at least the larger glaciers in the mountains of Asia” [see 3)].

1) "Avoiding the damaging effects of higher temperatures on crop yields means moving quickly to stabilize climate. “In Plan B,” says Brown, “I suggest cutting global carbon emissions in half by 2015. This is entirely doable, as a number of recent studies have suggested. If higher temperatures shrink harvests, public pressure to replace coal and oil with natural gas, wind power, and hydrogen will intensify worldwide."

"Unfortunately," says Brown, "since September 11, 2001, political leaders and the media worldwide have been preoccupied with terrorism and, more recently, the invasion of Iraq. Terrorism is certainly a matter of concern, but if Osama Bin Laden and his followers succeed in diverting our attention from the environmental trends that are undermining our future until it is too late to reverse them, they will have achieved their goal in a way they have not imagined."

[From the Press Release for [“Plan B: Rescuing a Planet Under Stress and a Civilization in Trouble”](#) by Lester R. Brown (2003) (see paragraph 17 and 21) at the website for the Earth Policy Institute]

2) “Plan B is shaped by what is needed to save civilization, not by what may currently be considered politically feasible. Plan B does not fit within a particular discipline, sector, or set of assumptions.”

“Implementing Plan B means undertaking several actions simultaneously, including eradicating poverty, stabilizing population, and restoring the earth’s natural systems. It also involves cutting carbon dioxide

emissions 80% by 2020, largely through a mobilization to raise energy efficiency and harness renewable sources of energy.”

“Not only is the scale of this save our-civilization plan ambitious, so is the speed with which it must be implemented. We must move at wartime speed\*, restructuring the world energy economy at a pace reminiscent of the restructuring of the U.S. industrial economy in 1942 following the Japanese attack on Pearl Harbor. The shift from producing cars to planes, tanks, and guns was accomplished within a matter of months.”

\*[Note: For some perspective on references to “moving at wartime speed”, here is an excerpt from an article titled [“World War II Mobilization 1939-1943”](#) at the website Encyclopedia.com (see paragraph 6)

“The U.S. government was willing to spend as much money as needed to win the war. The federal budget increased from \$8.9 billion in 1939 to over \$95 billion in 1945. The gross national product, which is the total value of all goods and services produced by the nation's economy, increased from just over \$90 billion to almost \$212 billion. The total amount of war materials produced by 1945 was staggering. U.S. factories had made 296,000 warplanes, 86,000 tanks, 64,000 landing ships, 6,000 navy vessels, millions of guns, billions of bullets, and hundreds of thousands of trucks and jeeps.”]

[Above the note—the excerpts about “Plan B” are from [“Plan B 3.0: Mobilizing to Save Civilization”](#) by Lester Brown [2008 (no month provided)] at the website for the Earth Policy Institute (above link is free download of entire book; see section “Plan B—A Plan of Hope” p. 20, paragraphs 1, 2, and 3)]

3) “...Plan B aims to stabilize climate, stabilize population, eradicate poverty, and restore the economy’s natural support systems. It prescribes a worldwide cut in net carbon emissions of 80 percent by 2020, thus keeping atmospheric CO2 concentrations from exceeding 400 parts per million.\* ‘In setting this goal,’ says Brown, ‘my colleagues and I did not ask what would be politically popular but rather what would it take to have a decent shot at saving the Greenland ice sheet and at least the larger glaciers in the mountains of Asia.’”

\* [Note: see 8) below, for graphs illustrating where we are now on CO2 parts per million.]

[From the [Press Release for “Plan B 4.0: Mobilizing to Save Civilization”](#) by Lester R. Brown (October, 2009) (see paragraph 17) at the website for the Earth Policy Institute]

4) On 15 **December, 2015**, in Paris, France, a historic agreement was reached, as 195 countries adopted a new universal, legally binding global climate deal.

**“Immediate ambition and long-term goal:** The text says countries will seek to keep temperature rises to ‘well below’ 2°C above pre-industrial levels, beyond which dangerous climate change is expected. It also includes a reference to a tougher limit, saying countries will ‘pursue efforts to limit the temperature increase to 1.5°C’, which is necessary to the very survival of the most vulnerable nations. Countries will aim to peak climate change-causing emissions ‘as soon as possible’, and ‘in accordance with best available science, so as to achieve a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century, on the basis of equity, and in the context of sustainable development and efforts to eradicate poverty’. In other words, this is a long-term target of net zero emissions by the end of the century (which leaves the door open for techniques such as carbon capture), and while the inclusion of such a target will have a real impact on emissions, it is considerably less ambitious than the target of full decarbonisation by 2050 that many support.”

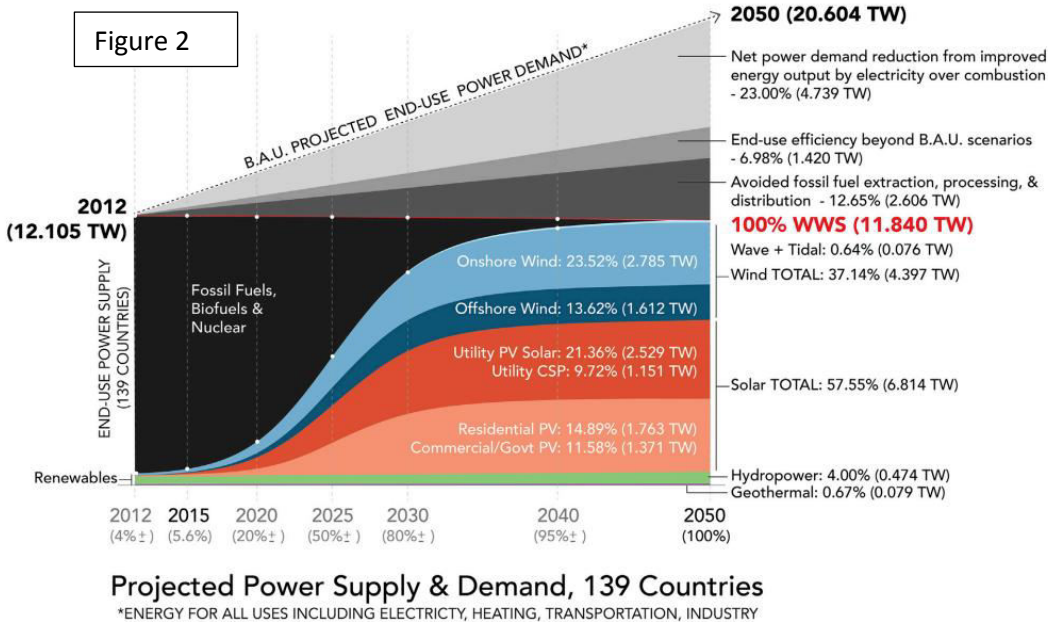
[from the article [“Historic climate agreement reflects real world change, protects vulnerable people”](#) at the website for the Global Call for Climate Action (in the section “Immediate ambition and long-term goal”) (Note: the date on the webpage is February 9, 2017; however, this writer has a record of this article being available, along with many other analysis on the Paris Agreement, in December, 2015)]

5) “The transformation required for a reasonable chance of remaining within the temperature goal of 1.5°C is stark. It would require net-zero emissions at some point between 2040 and 2060 (even if negative emissions technologies can be deployed at scale), thus requiring radical near-term reductions in energy sector CO2 emissions, employing every known technological, societal and regulatory decarbonisation option.”

[from the [Executive Summary of “World Energy Outlook 2016”](#) (in the section “The 2° C pathway is very tough: the road to 1.5° C goes through uncharted territory” (p. 5) released on **November 16, 2016** by the International Energy Agency (IEA)]

6) “The roadmaps [illustrated by charts via the [Interactive Map](#) (which also illustrates roadmaps for cities worldwide, and states in the U.S.)] describe a future where all energy sectors are electrified or use heat directly with existing technology, energy demand is lower due to several factors, and the electricity is generated with 100% wind, water, and sunlight (WWS)(Water, Wind, and Solar).” (p. 108-109)

“Figure 2 (below)(on p. 118 in article) is a proposed WWS transformation timeline for the 139 countries. It assumes 80% conversion to WWS by 2030 and 100% by 2050. The rate of transformation is based on what is necessary to eliminate air-pollution mortality as soon as possible, what is needed to avoid 1.5C net global warming, and what we estimate is technically and economically feasible.” (p. 117)



[Source: [“100% Clean and Renewable Wind, Water, and Sunlight All-Sector Energy Roadmaps for 139 Countries of the World”](#) Mark Z. Jacobson (Stanford University, CA) et al. in Joule 1 (energy journal) (p. 108-121) September 6, 2017 (Additional Sources: referred to Joule article by [“Most of the world’s countries could run on 100% renewable energy by 2050, says study”](#) by John McKenna at World Economic Forum **September 18, 2017**; and [The Solutions Project Interactive Map](#))]

7) “There is no shortage of evidence that humanity is entering a very serious place.”

“Global society needs to be collectively on a path to achieving net zero greenhouse gas emissions as far in advance of the Paris Agreement’s target date of 2050 as possible. The earlier this is achieved, the greater the chance of limiting global temperature rise to near 1.5°C, minimising the risk of severe

runaway climate impacts and protecting the most vulnerable countries. There is, therefore, an urgent need to integrate accelerated short-term action with enhanced ambition in longer-term planning from all nations.”

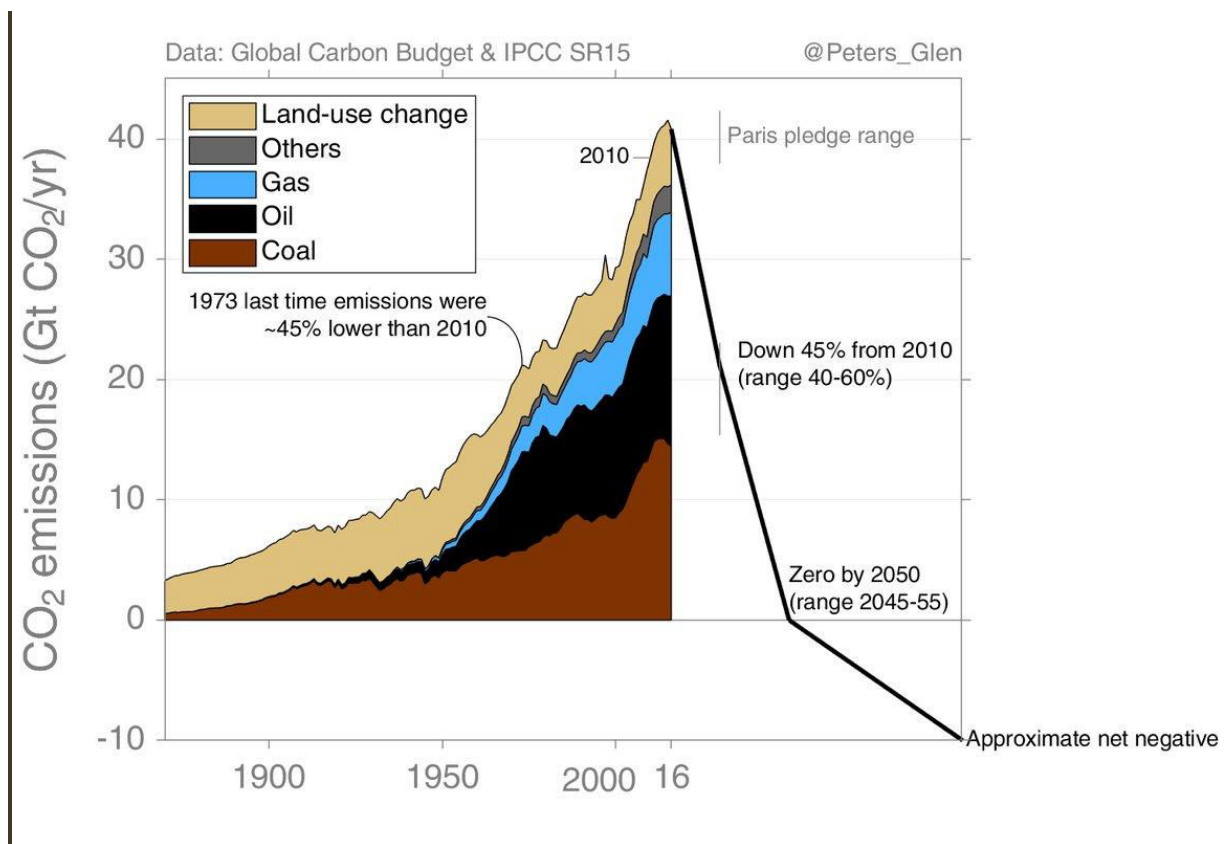
[from the “Executive Summary” section (see p. 7) of [“Raising Ambition: Zero Carbon Summaries from Across the Globe”](#) (a Centre for Alternative Technology Project) (2018)]



8) **Glen Peters** @Peters\_Glen Oct 12 2018

According to [#SR15](#), pathways with limited overshoot of 1.5°C require global net CO<sub>2</sub> emissions to decline by ~45% from 2010 levels by 2030 (40–60% interquartile), reaching net zero around 2050 (2045–2055 interquartile), & go negative thereafter (my estimate).

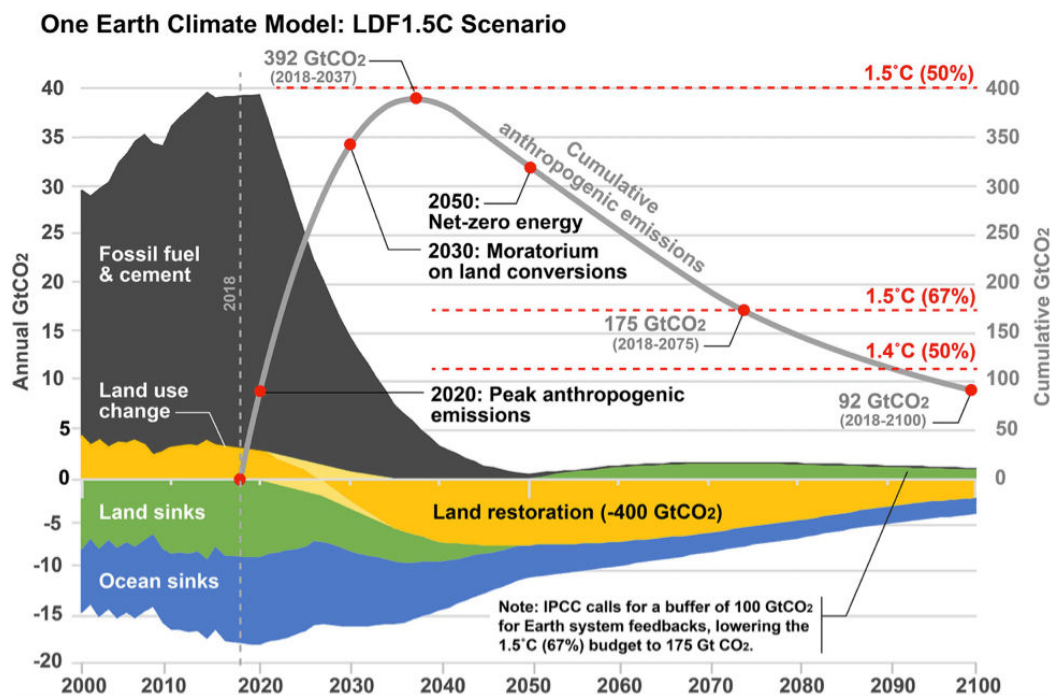
This is not easy...



22 replies 248 retweets 249 likes

9) “The One Earth climate model is groundbreaking in that it shows the 1.5°C target can be achieved through a rapid transition to 100% renewables by 2050 (65% by 2030), alongside a major conservation effort to increase the resilience of natural ecosystems and help ensure greater food security. This includes a moratorium on land conversions by 2030 and 400 GtCO<sub>2</sub> of ‘negative emissions’ from forest and land restoration (shown in gold below the zero line), which pulls carbon dioxide out of atmosphere and stores it in trees and soil.”

“The One Earth model shows just how important our natural ecosystems are. Justin Winters, Executive Director of the Leonardo DiCaprio Foundation, said, ‘Nature is the missing key. While the renewable energy transition is imperative to solving the climate crisis, it isn’t enough. Currently wildlands and oceans absorb one-half of all our CO<sub>2</sub> emissions. As this climate model shows, in order to keep global temperature rise to no more than 1.5°C, we have to keep our natural carbon sinks intact, scale up restoration efforts and shift to regenerative agriculture. Without them we have no future.’”



[from an introductory webpage to the [“One Earth Climate Model”](#) at the website of the Leonardo DiCaprio Foundation The book describing the “One Earth Climate Model”--“Achieving the Paris Climate Agreement Goals: Global and Regional 100% Renewable Energy Scenarios with Non-energy GHG Pathways for +1.5°C and +2°C”--by Sven Teske, Ed. (491 pages) Springer, **2019** is accessible for free at <https://link.springer.com/book/10.1007%2F978-3-030-05843-2#editorsandaffiliations> ]



## Appendix 2

### Appendix 2

#### Global Carbon Emissions are Still Rising

1) “Global CO<sub>2</sub> emissions are projected to go up in 2018 by more than 2%. In 2017, they increased by 1.6%, having flattened out between 2014 and 2016. The reasons? The use of oil and gas keeps growing, and some countries are still using coal to fuel much of their economic growth (see ‘Rising pressures’).”

[from a “Comment” contribution titled [“Emissions are still rising: ramp up the cuts”](#) by Christina Figueres, Corinne Le Quéré, Anand Mahindra, Oliver Bäte, Gail Whiteman, Glen Peters. and Dabo Guan in the online version of Nature (December 5, 2018)]

2) “The level of climate-warming carbon dioxide (CO<sub>2</sub>) in the atmosphere is forecast to rise by a near-record amount in 2019, according to the Met Office (The Met Office is the United Kingdom's national weather service). The increase is being fueled by the continued burning of fossil fuels and the destruction of forests, and will be particularly high in 2019 due to an expected return towards El Niño-like conditions. This natural climate variation causes warm and dry conditions in the tropics, meaning the plant growth that removes CO<sub>2</sub> from the air is restricted.”

[from an article titled [“‘Worrying’ rise in global CO<sub>2</sub> forecast for 2019”](#) by Damian Carrington, (Environment Editor) in the Guardian January 24, 2019]

3) “Hopes that global CO<sub>2</sub> emissions might be nearing a peak have been dashed by preliminary data showing that output from fossil fuels and industry will grow by around 2.7% in 2018, the largest increase in seven years. This year, the largest increases have occurred in China, driven by government stimulus of the construction industry. US emissions have also increased markedly in 2018, after an unusually cold winter and hot summer helped to drive up energy demand.”

[from an article titled [“Analysis: Fossil-fuel emissions in 2018 increasing at fastest rate for seven years”](#) by Zeke Hausfather on the website of Carbon Brief May 5, 2018]

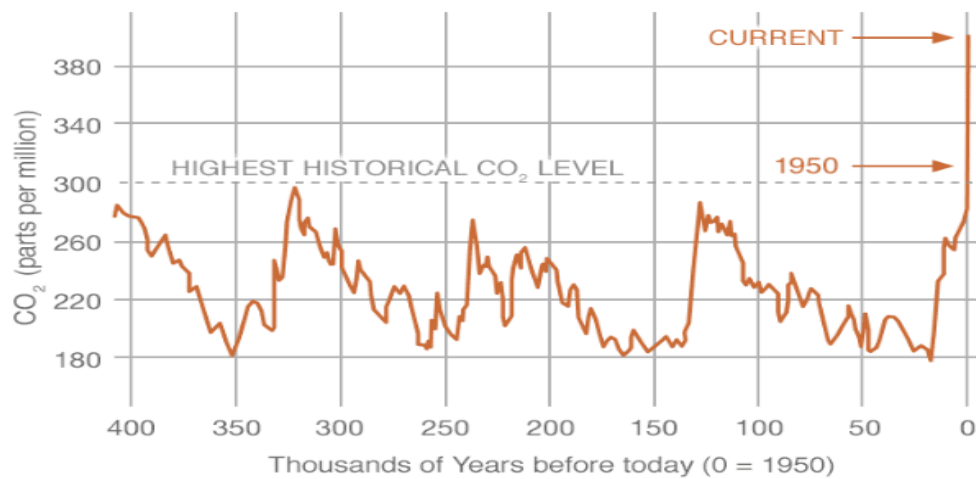
4) “Global emissions are still rising, demonstrating once again that more urgent action is needed on all fronts--developing all clean energy solutions, curbing emissions, improving efficiency, & spurring investments and innovation <http://bit.ly/2U8n2tl> “

[from a [tweet by @IEA on the Twitter Platform \(April 1, 2019\)](#)--which includes an informative video clip, and a bitly link to article on the IEA’s website titled “Global Energy & CO<sub>2</sub> Status Report: The latest trends in energy and emissions in 2018”).]

5) [From the webpage titled “Facts” in the subsection titled “Carbon Dioxide” at the website for the National Aeronautics and Space Administration (see <https://climate.nasa.gov/vital-signs/carbon-dioxide/>)]

### PROXY (INDIRECT) MEASUREMENTS

Data source: Reconstruction from ice cores.  
Credit: NOAA



### DIRECT MEASUREMENTS: 2005-PRESENT

Data source: Monthly measurements (average seasonal cycle removed). Credit: NOAA



## Appendix 3

## Appendix 3

## Increasing Negative Feedback Loops--Four Examples

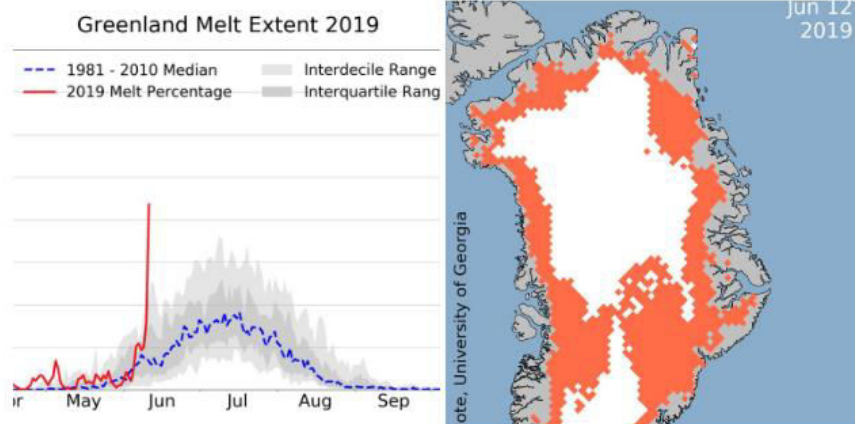
1) “Sharp and potentially devastating temperature rises of 3C to 5C in the Arctic are now inevitable even if the world succeeds in cutting greenhouse gas emissions in line with the Paris agreement, research has found.” [from article “Sharp rise in Arctic temperatures now inevitable–UN” by Fiona Harvey (March 13, 2019) in the Guardian (at <https://www.theguardian.com/environment/2019/mar/13/arctic-temperature-rises-must-be-urgently-tackled-warns-un> )]



**Eric Holthaus** ✓ @EricHolthaus · Jun 13

The **Greenland ice sheet** is currently going through a major melting this week, covering almost half its surface — unprecedented in its extent for this early in the year.

This has not happened before. ✓



221 7.4K 7.8K

2) “Just last week, a new study revealed that thawing permafrost in Alaska appeared to be releasing 12 times more nitrous oxide than previously estimated.”

[from article “A warming Arctic could cost the world trillions of dollars: New science warns that melting ice and permafrost could set off feedback loops that make climate change worse” by Stephen Leahy (April 23, 2019) in the National Geographic (at <https://www.nationalgeographic.com/environment/2019/04/arctic-climate-change-feedback-loops-cost-trillions/> )]

3) “Countries should double their protected zones to 30 percent of the Earth’s land area, and add 20 percent more as climate stabilization areas, for a total of 50 percent of all land kept in a natural state, scientists conclude.” (“Notably, these are not meant to be ‘no go’ areas, but rather areas protected from resource extraction and land conversion. Sustainable uses would be permitted in all but the most sensitive areas.”) “All of this needs to be done by 2030 to have a real hope of keeping climate change under the “danger zone” target of 2.7 degrees Fahrenheit (1.5 degrees Celsius) and to prevent the world’s ecosystems from unravelling—according to an ambitious plan called the Global Deal for Nature.”

[from article “Half of all land must be kept in a natural state to protect Earth: New science says land conservation must double by 2030 to prevent dangerous warming and unravelling of ecosystems” by Stephen Leahy (April 19, 2019) in the National Geographic (at <https://www.nationalgeographic.com/environment/2019/04/science-study-outlines-30-percent-conservation-2030/> )]

4) “‘This is the first comprehensive look at what’s happened to glaciers in the Himalaya over a 40-year time span,’ said lead author Joshua Maurer at Columbia University’s Lamont-Doherty Earth Observatory.”

“‘Our study reveals a robust signal of glacier ice loss linked to rising temperatures from climate change,’ Maurer says. As much as quarter of the region’s ice has been lost over the last 40 years, he estimated.”

“That’s double the amount of melting that took place from 1975 to 2000, revealing that the ice loss is accelerating with rising temperatures. It’s also threatening water supplies for hundreds of millions of people downstream across much of Asia.”

“Temperatures in the region have risen one degree Celsius (1.8 degrees Fahrenheit) higher than those from 1975 to 2000, according to temperature data collected from ground stations. Researchers calculated the amount of melting likely to result from warmer temperatures to confirm that one degree was indeed enough to produce such a massive loss of glacier ice.”

“‘A one degree C increase is a huge change,’ says co-author Joerg Schaefer, a professor at Columbia University’s Lamont-Doherty Earth Observatory. ‘In the middle of the last ice age the mean annual temperature was only 3 degrees C cooler,’ he says.”

[from “Himalayan glaciers melting at alarming rate, spy satellites show: Hotter temperatures have melted as much as a quarter of Himalayan glacial ice in the past 40 years, reveals a study of declassified spy satellite photos from the 1970s” by Stephen Leahy (June 19, 2019) in National Geographic (at <https://www.nationalgeographic.com/environment/2019/06/himalayan-glaciers-melting-alarming-rate-spy-satellites-show/> )]

## Appendix 4

### Appendix 4

#### “It’s Happening Now”—Excerpts from Disasters made worse by Global Heating and Climate Breakdown

##### 1) The 2018 Wildfires

[From the Wikipedia webpage for “California Wildfires” (see [https://en.wikipedia.org/wiki/2018\\_California\\_wildfires](https://en.wikipedia.org/wiki/2018_California_wildfires)) and the Wikipedia webpage for the “2018 Wildfire Season” (at [https://en.wikipedia.org/wiki/2018\\_wildfire\\_season](https://en.wikipedia.org/wiki/2018_wildfire_season))]

“The 2018 wildfire season involves wildfires on multiple continents. An extremely rare event occurred when wildfires broke out north of the Arctic Circle in Scandinavia, with one burning on the Russia–Finland border near the Barents Sea on July 20. By the end of the calendar year, the fires in British Columbia had burned more area than in any prior recorded year; and California [‘with a total of 8,527 fires burning an area of 1,893,913 acres (766,439 ha)’], experienced the single largest (by area) fire on record, and a fire destroyed more structures than in any other in modern history. [‘Through the end of August 2018, Cal Fire alone spent \$432 million on operations. As of May 2019, insurance claims related to this fire season had reached \$12 billion, most related to the Camp Fire in Butte County.’] Similarly, the UK saw the most wildfires ever recorded in a single year, at 76.”

##### 2) Animal culls and mass fish deaths in Australia

a) From the article “Adelaide breaks its all-time heat record, hitting 46.6C, in extreme Australia heatwave: Seventeen records broken in South Australia amid animal culls and mass fish deaths in other parts of the country” by Naaman Zhou (January 24, 2019) in the Guardian (see <https://www.theguardian.com/australia-news/2019/jan/24/australia-heatwave-adelaide-breaks-its-all-time-heat-record-hitting-466c>)

“In central and western Australia, local authorities were forced to carry out an emergency animal cull, shooting 2,500 camels – and potentially a further hundred feral horses – who were dying of thirst.”

b) [From the article “Murray-Darling fish kill: extreme weather and low river flow led to drop in oxygen levels” by Anne Davies (January 24, 2019) at the Guardian (see <https://www.theguardian.com/australia-news/2019/jan/24/murray-darling-fish-kill-extreme-weather-and-low-river-flow-led-to-drop-in-oxygen-levels>)]

“In the first incident that killed ‘tens of thousands of fish’ before Christmas, rain fell on 15 December 2018 and temperatures dropped, ‘which appears to have mixed the water layers, which resulted in very low dissolved oxygen throughout the water column’.”

“Another substantial drop in air temperatures from 46C to 28C on January 4 and 5 associated with cold fronts passing through the region again caused layers of water with different dissolved oxygen levels to mix, reducing the overall dissolved oxygen available,’ the report said.”

“High algal content in stock and domestic flow releases drawn from Lake Pamamaroo, which increased oxygen demand and consumption, further reduced dissolved oxygen available to fish.”

### 3) Two major cyclones in one month in Mozambique

[From the article “From Emergency to Recovery: Mozambique One Month After Cyclone Idai” at the Doctors Without Borders website (April 15, 2019) (see <https://www.doctorswithoutborders.org/what-we-do/news-stories/story/emergency-recovery-mozambique-one-month-after-cyclone-idai>)]

“We are supporting a massive cholera vaccination campaign led by the Ministry of Health to contain the spread of the outbreak. So far, almost 750,000 people have received the vaccine.”

### 4) Floods in the Midwest of the United States delaying planting season

[From the article “The Fields are Washing Away: Midwest Flooding is Wreaking Havoc on Farmers Subtitled: “Historic flooding this year is setting back planting season. Climate change will force farmers to adjust to similarly brutal weather events in the future” by Emily Moon (June 6, 2019) at the Pacific Standard website (see <https://psmag.com/environment/the-fields-are-washing-away-midwest-flooding-is-wreaking-havoc-on-farmers>)]

“It’s a common story across the Midwest and Great Plains, where the Missouri and Mississippi River basins are still recovering from a catastrophic deluge: Since March, record flooding in the central United States has caused historic crop delays.”

“On Monday, the U.S. Department of Agriculture’s National Agricultural Statistics service estimated that farmers had planted just 67 percent of the acreage planned for corn. This time last year, they were at 96 percent. ‘That translates to almost 40 million acres of corn not planted,’ says Michael Nepveux, an economist for the American Farm Bureau Federation, the country’s largest agriculture lobbying group. ‘When you think about where we are in terms of the planting season, that’s astronomical.’”

## Appendix 5

### Appendix 5

#### Species Extinction Rates Accelerating

1) “Acknowledging that the undisturbed conditions of the deciduous forest can be but crudely approximated, Victor E. Shelford has made an effort to present a picture of the situation as it was during the 16<sup>th</sup> Century. He detailed the ecology in terms of areas of 10 square miles.... The preceding ecological reconstruction can be summarized by noting that in any given area of 10 square miles of the deciduous forest, we could reasonably expect to find 750,000 trees, mostly acorn and nut bearers; 760,000 tree seedlings; abundant herbs and shrubs; literally millions upon millions of invertebrates; 16,000 nesting birds; 20-50 predatory owls and hawks; 160,000 to 320,000 mice; upwards of 40,000 squirrels; 200 turkeys; 400 deer; some elk and bison; 3 wolves; 2 pumas; 5 bears; and 30 foxes. Additionally, rabbits, possums, raccoons, otters, groundhogs, bobcats, Eastern chipmunks, pine voles, short-tailed shrews, bats, beavers, skunks, and weasels would be present in varying numbers.”

[from “Cherokee Archaeology: A Study of the Appalachian Summit” by Bennie C. Keel University of Tennessee Press, Knoxville (1976) (above text accessible through Google books). In the above passage, Keel cites as his reference “The Ecology of North America” (p. 26-29) by Victor E. Shelford University of Illinois Press, Urbana (1963). The first two sentences of Shelford’s Wikipedia webpage are as follows: “Victor Ernest Shelford (September 22, 1877 – December 27, 1968) was an American zoologist and animal ecologist who helped to establish ecology as a distinct field of study. He was the first president of the Ecological Society of America in 1915, and helped found the Nature Conservancy in the 1940s.”]

2) “The destruction of wild habitat for farming, logging and development has resulted in the start of what many scientists consider the sixth mass extinction of life to occur in the Earth’s four billion year history. About half the Earth’s animals are thought to have been lost in the last 50 years.”

[from article [“Humans just 0.01% of all life but have destroyed 83% of wild mammals – study”](#) by Damian Carrington, Environment Editor; 21 May 2018 Guardian]

3) A major species extinction event, compromising planetary integrity and Earth’s capacity to meet human needs, is unfolding. Biodiversity refers to the diversity of living things at the genetic, species and ecosystem levels. It helps to regulate climate, filters air and water, enables soil formation and mitigates the impact of natural disasters. It also provides timber, fish, crops, pollination, ecotourism, medicines, and physical and mental health benefits (well established). (from p. 8)

The critical pressures on biodiversity are habitat change, loss and degradation; unsustainable agricultural practices; the spread of invasive species; pollution, including microplastics; and overexploitation, including illegal logging and trade in wildlife. Illegal trade in wildlife, fisheries and forest products is worth between US\$90 billion and US\$270 billion per annum. *There is evidence to suggest that climate change will pose the gravest threat in the future, as species, including disease vectors, migrate with temperature shifts (well established).* (from p. 9)

[From the United Nations Environment Programme (UNEP) publication “Global Environment Outlook GEO-6 (2019): Summary for Policymakers” (at [https://wedocs.unep.org/bitstream/handle/20.500.11822/27652/GEO6SPM\\_EN.pdf?sequence=1&isAllowed=y](https://wedocs.unep.org/bitstream/handle/20.500.11822/27652/GEO6SPM_EN.pdf?sequence=1&isAllowed=y) )]

4) [from article “UN Report: Nature’s Dangerous Decline ‘Unprecedented’; Species Extinction Rates ‘Accelerating’” on the new report from The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) (May 6, 2019) (see <https://www.un.org/sustainabledevelopment/blog/2019/05/nature-decline-unprecedented-report/>) (above article includes most of same “Key Findings” as the IPBES [“Media Release”](#))

Nature’s Dangerous Decline ‘Unprecedented’; Species Extinction Rates ‘Accelerating’  
1,000,000 species threatened with extinction

“The IPBES Global Assessment Report on Biodiversity and Ecosystem Services is the most comprehensive ever completed. It is the first intergovernmental Report of its kind and builds on the landmark Millennium Ecosystem Assessment of 2005, introducing innovative ways of evaluating evidence. Compiled by 145 expert authors from 50 countries over the past three years, with inputs from another 310 contributing authors, the Report assesses changes over the past five decades, providing a comprehensive picture of the relationship between economic development pathways and their impacts on nature. It also offers a range of possible scenarios for the coming decades.”

“Based on the systematic review of about 15,000 scientific and government sources, the Report also draws (for the first time ever at this scale) on indigenous and local knowledge, particularly addressing issues relevant to Indigenous Peoples and Local Communities.”

**“The Report finds that around 1 million animal and plant species are now threatened with extinction, many within decades, more than ever before in human history.”**



“Three-quarters of the land-based environment and about 66% of the marine environment have been significantly altered by human actions. **On average these trends have been less severe or avoided in areas held or managed by Indigenous Peoples and Local Communities.**”

Infographic from the IPBES Report

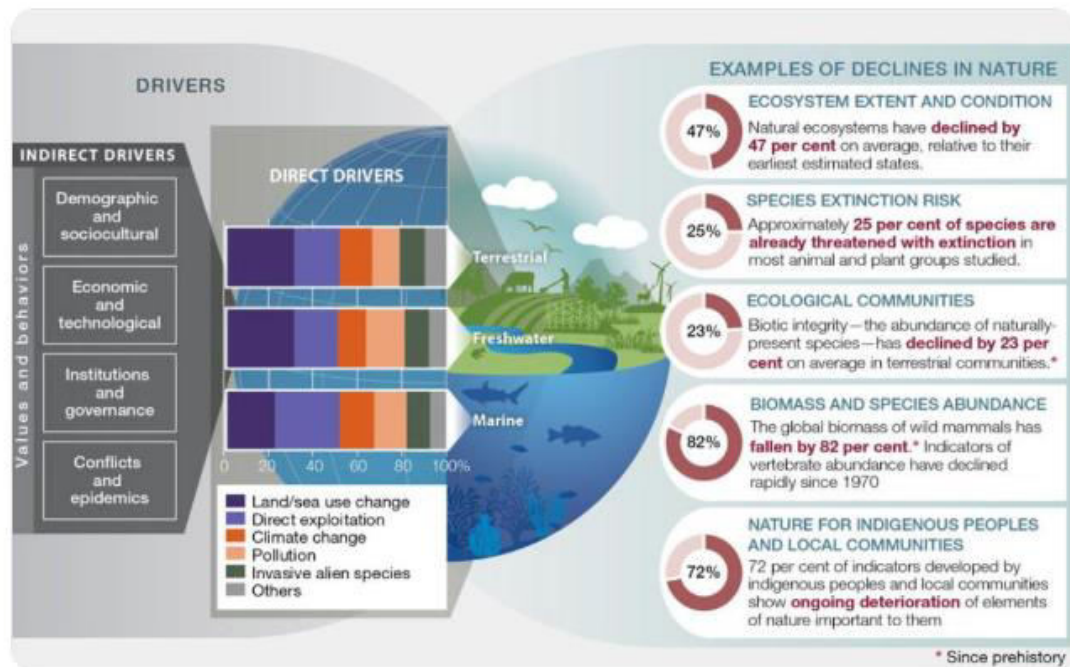


**Glen Peters** @Peters\_Glen · May 13

Declines in nature have been driven directly by land/sea use change & exploitation (50%), with climate change currently contributing ~20%.

The indirect drivers include demographic, sociocultural, economic, technological, governance, etc

#IPBES [ipbes.net/news/ipbes-glo...](https://ipbes.net/news/ipbes-glo...)



## Appendix 6

### Appendix 6

Conflicts may arise, among people with different, but very personal, beliefs, especially when basic resources (like water and food) become scarce.

#### 1) From the article "Moral and Value Conflicts"

- a) "Because identity describes who we are as a person, we tend to protect those things (beliefs, values, group affiliations) that help create our sense of self."
- b) "Each party may believe that its ways of doing things and thinking about things is the best way and come to regard other ways of thinking and acting as inferior, strange, or morally wrong."
- c) "They may form negative stereotypes and attribute moral depravity or other negative characteristics to those who violate their cultural expectations, while they ignore their own vices and foibles, perceiving their own group to be entirely virtuous."
- d) "They may view any compromise about their most cherished values as a threat to their very identity and a grave evil."
- e) "Participants in moral conflict often behave immorally, even according to their own standards of behavior, because they believe the actions of their enemies force them to do so."
- f) "In some cases, one group may come to view the beliefs and actions of another group as fundamentally evil and morally intolerable. This often results in hostility and violence and severely damages the relationship between the two groups. For this reason, moral conflicts tend to be quite harmful and intractable."
- g) "Since resolving conflict necessarily involves some kind of change, it is essential to understand the operation of worldviews. When people are asked to change their identity or things they find meaningful, they will resist, sometimes even when the alternative is death."

[Quotes a) thru f) are from the article "[Moral and Value Conflicts](#)" by Michelle Maiese (July, 2003); quote g) is from the article "[Cultural and Worldview Frames](#)" by Michelle LeBaron (August, 2003). Both articles are from the very valuable Knowledge Base for Conflict Resolution website [Beyond Intractability](#)]

#### 2) The Global Drugs Trade and the Global Arms Trade

"The global drugs trade and the global arms trade are integral to violence in both developing and industrialized countries. Even modest progress on either front will contribute to reducing the amount

and degree of violence suffered by millions of people. To date, however--and despite their high profile in the world arena--no solutions seem to be in sight for these problems”

[from the “World Report on Violence and Health” (2002); World Health Organization (see p. 254 in [https://apps.who.int/iris/bitstream/handle/10665/42495/9241545615\\_eng.pdf;jsessionid=29C0E18A3AE028D1DD67E51931B692B5?sequence=1](https://apps.who.int/iris/bitstream/handle/10665/42495/9241545615_eng.pdf;jsessionid=29C0E18A3AE028D1DD67E51931B692B5?sequence=1) )]

### 3) “Over 1 Billion Firearms in the World Today...”

“There are over 1 billion firearms in the world today, including 857 million in civilian hands--with American men and women the dominant owners, according to a study released Monday. The Small Arms Survey says 393 million of the civilian-held firearms, 46 percent, are in the United States, which is ‘more than those held by civilians in the other top 25 countries combined.’”

[from article Global survey shows more than 1 billion small arms in world, mostly owned by civilians and mostly in the U.S.” by Edith M. Lederer (June 18, 2018) in the Chicago Tribune (at <https://www.chicagotribune.com/nation-world/ct-survey-small-arms-world-civilians-20180618-story.html> )]

## Appendix 7

### Appendix 7

#### Human Morality is not a Constant...

It should be clear to most readers that the virtuous conduct (the discipline, restraint, wisdom, understanding, compassion, forgiveness, etc.) necessary--to transform examples of cultures of violence, greed, corruption, and overindulgence into examples of the treasured wisdom of our human heritage being more fully appreciated, and applied in the everyday circumstances of community life--would inspire "waves" of additional goodwill.

And yet... if readers carefully explore the following 14 critical challenge assessments and solution guides (which are offered here as representative and well-known examples from the past 50 years)--

"The Limits to Growth" report (1972; updated 2004) (and "2052 - A Global Forecast for the Next Forty Years", published in 2012 by one of the original authors)

"Gaia: An Atlas of Planetary Management" (1984; updated 2005)

Worldwatch Institute—annual "State of the World" Reports, and "Worldwatch Reports" (formerly "Worldwatch Papers")

UN-Habitat (United Nations Human Settlement Programme)—"State of the World's Cities" Reports, and (formerly annual) "Global Reports on Human Settlements"

UNEP (United Nations Environment Programme)—annual "Human Development" Reports

United Nations—Millennium Development Goals (MDGs) Progress Reports, and Sustainable Development Goals (SDGs) Updates

IPCC (Intergovernmental Panel on Climate Change)—ongoing reports

International Monetary Fund—bi-annual "World Economic Outlook" Reports

World Bank—"World Development Reports"

World Economic Forum—annual "Outlook on the Global Agenda" Reports

International Energy Agency—annual "World Energy Outlook" Reports

Earth Policy Institute—including "Plan B 4.0: Mobilizing to Save Civilization", "World on the Edge: How to Prevent Environmental and Economic Collapse", "Full Planet, Empty Plates: The New Geopolitics of Food Scarcity"

"Pathways to Deep Decarbonization" [Published by Sustainable Development Solutions Network (SDSN) and Institute for Sustainable Development and International Relations (IDDRI), September 2014 (and presented at the United Nations Climate Summit on September 23, 2014)]

--they will find that these critical challenge assessments and solution guides do not give serious attention to variations in human morality as a significant factor affecting the nature of the challenges of our times... *even now (in the above annual reports), when we are in uncharted territory, in need of the most unprecedented cultural transformation in the history of life Planet Earth, and living the most complex cultural landscapes ever created.*

\*\*This writer believes that *human morality is not a constant*; it is not something which is the same throughout the centuries of human existence--and thus it is something which can become degraded or raised up, depending on the leanings of human aspirations.

\*\*There is now a great responsibility on people who are in any way representatives of religious, spiritual, and/or moral traditions--to demonstrate what is possible along the lines of wisdom and compassion, to provide genuine instruction when sincere efforts are being made, to contribute to the greater good of the whole, and to help restore confidence in the higher values of life.

A few suggestions: Local leaders of religious, spiritual, and moral traditions can step up on every frontline possible to help people understand the urgent need to

- a) sacrifice personal desires for the greater good
- b) find contentment and quality of life while consuming less material goods and ecological services
- c) prefer peacebuilding which supports and actualizes mutually beneficial understandings, forgiveness, and reconciliation—*and which abstains from violent conflict resolution*—as a way of bringing cycles of violence to an end
- d) use resources carefully, so that there is surplus available for emergency assistance
- e) support community life and cultural traditions which "... bring to the fore how many good people there are, how many ways there are to do good, and how much happiness comes to those who extend help, as well as to those who receive it".

(see also "Interfaith Prayer Vigils" in Appendix 8)

## Appendix 8

### Appendix 8

#### Interfaith Prayer Vigils

The news media tends to focus more on conflict than on cooperation--especially in stories about religious, spiritual, and moral traditions. However, if the leaders of religious, spiritual, and moral traditions cannot cooperate and work together to 1) reverse the marginalization of the treasured wisdom which has accumulated over the many centuries of human experience and 2) provide more evidence that such wisdom does exist, they may contribute more to creating widespread cynicism rather than confidence, and we may lose significant traction and critical momentum on issues which require urgent solutions.

One way (among many, see also p. 61) leaders of religious, spiritual, and moral traditions could make a significant contribution to positive tipping points is by encouraging and supporting Interfaith Prayer Vigils. One possible goal for an Interfaith Prayer Vigil would be for communities to have at least one person from the community participating in the Prayer Vigil at all times (24/7)(in such time intervals as they choose). With an emphasis on silence, participants could silently recite prayers for peace, forgiveness, and reconciliation--and/or carry on with any kind of silent practice or silent spiritual discipline which is relevant and appropriate for a sacred space dedicated to *praying for help when we are at one of the most critical crossroads humanity has faced since the dawn of civilization.*

One inspiration for Prayer Vigils in a sacred place is the 24 Hour Prayer Vigil for World Peace at Kunzang Palyul Choling (KPC), a Tibetan Buddhist Temple in Poolesville, Maryland (USA). The Prayer Vigil at Kunzang Palyul Choling (KPC) began in April, 1985 and has continued 24/7 all year round ever since. On February 2015 the KPC California center also began a Prayer Vigil which is ongoing without interruption for 12 hours each Wednesday. Some details about the KPC's Prayer Vigil (from the webpage "Prayer Vigil") are at <http://www.tara.org/ourprojects/prayer-vigil/> ).

This writer personally believes Faith helps move belief from "it hardly seems possible" to "it must be possible" (since Faith believes Love will prevail). And he believes "God can do anything".

Now would be a good time for people of Faith to join in "Interfaith Prayer Vigils"--which could be formed, and maintained (24/7 if possible), by members of any local places of worship and/or local spiritual fellowships with the desire to serve in this way.

## Appendix 9

### Appendix 9

#### Quick Reference Overview of the 13 Steps in “Growing Wisdom and Compassion in Small Communities (13 Steps)”

[Recently, the CPCS Initiative document “13 Steps for Long Term Culture Change” was re-titled as “Growing Wisdom and Compassion in Small Communities (13 Steps)”. Also, it is worth mentioning that the brief overviews below were created to be tweeted (280 character limit), so some sentence structures will be incomplete. Overviews of each of the 13 Steps, which include much more details, can be found in document [“Growing Wisdom and Compassion in Small Communities \(13 Steps\)”](#) (78 pages; May, 2017).]

#### Step 1—“Community Good News Networks”

Elders from community encourage young people (ages 5-18) to collect and share good news articles, stories, etc., about inspiring role models in their community.

Elders encourage young people to write letters of support to such inspiring role models, and invite them to visit a common gathering place for “inspirational sharing meetings”.

#### Step 2—“Community Faith Mentoring Networks” (CFMN):

“Faith Mentor”--“a person, who by word, action, and presence, models a meaningful lifestyle, clarifies important life issues, and provides guidance for deepening spirituality in a caring and accepting environment.”

“CFMN” would be a partnership among many different faith traditions, contributing to individual spiritual formation, inspiring role models, right livelihood, community service, interfaith peace vigils, socially engaged spirituality, spiritually responsible investing

### Step 3—“Spiritual Friendships”:

People from similar, or possibly different, religious, spiritual, or moral traditions form small groups, in which participants declare an intention to take a specific step towards achieving a goal associated with their personal spiritual growth.

All participants are provided with an opportunity, in a respectful and considerate small group environment, to speak about their efforts they made in the interval between meetings.

### Step 4—“Interfaith Peace Vigils”:

Representatives from different religious, spiritual, and moral traditions within a given local community establish a once weekly Interfaith Peace Vigil, with the goal of having at least one member from each tradition participating at all times.

With an emphasis on silence, participants silently recite prayers for forgiveness, reconciliation, peace--and/or carry out any kind of silent practice or silent spiritual discipline which is appropriate for a sacred space dedicated to cultivating peace.

### Step 5—“Recalibrating Our Moral Compasses” (ROMC) Surveys:

A very careful, conscientious approach to identifying critical challenges and solution-oriented activity, and comparing that input with working definitions for “right livelihood” and “moral compasses”.

Locally, universities (w/ students participating) and/or non-profit orgs could identify 150 key leaders from a significant variety of fields of activity in community as first responders, to establish thoughtful and responsible examples of survey responses.

### Step 6—“Community Visioning Initiatives” CVIs:

Series of community meetings designed to max citizen participation in identifying challenges, solution-oriented activity--which can help people discover for themselves how much we really need to be on same side, helping each other.

CVIs can begin cycles of volunteer assistance, workshops, solution-oriented action plans, careful and deliberate investment of time/money by local residents, and new employment opportunities which can maximize citizen employment in solution-oriented activity.



### Step 7—“Neighborhood Learning Centers” (NLCs):

Can be a) multi-purpose support centers for implementing Community Visioning Initiatives  
 b) neighborhood meeting places and workshop centers c) a critical part of a low cost lifelong learning education system

NLCs can provide places for discussion, information sharing, mutual support, encouragement, friendship--so that exchanging of information, resources also includes building close-knit communities of people with healthy appreciation for each other’s strengths.

### Step 8—Spiritually Responsible Investing:

(Note: quotes below are from “Why the Village Movement?” by J.C. Kumarappa, an economist who worked with Mahatma Gandhi)

“A buyer hardly realizes he owes any duties in his everyday transactions.” And yet “every article in the bazaar has moral and spiritual values attached to it--hence it behooves us to enquire into the background of every article we buy.”

Thus, we need circles of activity which are closer to the community we live in [“The smaller the circumference, the more accurately we can gauge the results of our actions, and (the) more conscientiously we can fulfil our obligations as trustees.”]

### Step 9—“Ecological Sustainability/Permaculture/Ecovillages”:

The energy of any particular thing, during its life from cradle to grave, is called the “embodied energy” of that object. By supporting items/processes with lower embodied energy, energy use can be greatly reduced.

If many people can find contentment and quality of life while consuming much less, this limiting of desires at the “root” will save many people from trouble of responding to the consequences of unrestrained or unexamined desires as they materialize worldwide.

Step 10—“Appropriate Technology”:

Technology which, by preference, materials, and application is “small-scale, decentralized, labor-intensive, energy-efficient, environmentally sound, and locally autonomous.” Gandhi advocated for such to make India’s villages self-reliant.

“Village Earth offers an Appropriate Technology Library which “contains full text and images from over 1050 of best books dealing with all areas of do-it-yourself technology.” (available in one USB or two DVDs)

Step 11—“Food Sovereignty/FoodWaste/Obesity/Local Food Councils/Community Supported Agriculture:

“Food Sovereignty--the right of peoples to healthy and culturally appropriate food produced thru sustainable methods, and the right to define their own food/agriculture systems.”

“Roughly one third of the food produced in the world for human consumption every year--approximately 1.3 billion tons--gets lost or wasted. Most food waste is thrown away in landfills, where it decomposes and emits methane, a potent greenhouse gas.”

Family farms, sustainable agricultural practices, and food processing by individuals, families and non-corporate entities offers stability to our rural way of life by enhancing economic, environmental, social wealth of our community. (Sedgewick, Maine; 2011)

Step 12—“Local Currency”:

“BerkShares are a local currency for the Berkshire region of Massachusetts, launched in 2006. People using the currency make a conscious commitment to buy locally produced items which are more environmentally sustainable.”

“Currently, more than four hundred businesses have signed up to accept Berkshares. Five different banks have partnered with BerkShares, making a total of thirteen branch offices now serving as exchange stations.”

Step 13--“Neighbor to Neighbor Community Education (NTNCE) in Local Newspapers”:

a new section in local newspapers used to highlight and accumulate stories and other forms of reader contributions which identify valuable resources, and reinforce important community goals.

An NTNCE Project is community service work that a) highlights what is valuable and important in everyday community life b) encourages positive neighbor to neighbor relations c) helps increase consensus for local specific definitions of “the greater good”.

There would be many opportunities for the NTNCE section of local newspapers to contribute very valuable community service in the planning, implementation, evaluation, and follow up stages associated with Community Visioning Initiatives (Step 6).

## Appendix 10

### Appendix 10

Key Organizations and Institutions (re first call for 5-10 page overviews)  
(616 Organizations and Institutions with 98,979,931 followers)(98.9 million)

The 86 page list (below) of organizations and institutions provides the Twitter profile of the organization or institution (or, in some cases, business), and the approximate number of followers (since this number will be changing frequently). (The follower numbers were accessed from June 5 to June 12, 2019.)

The Brainstorming 100% ASAP Campaign will be calling for 5-10 page overviews from--

- 1) organizations and institutions which are already contributing in trustworthy, verifiable, visible, and peer-evaluated ways to guiding public discourse towards achieving 1.5°C (2.7°F)
- 2) organizations and institutions in a variety of fields of activity which are critical to education, ecological sustainability, communication, access to basic needs, emergency assistance, social cohesion, preserving the roots of wisdom and compassion, etc.

and from

- 3) people from all varieties of educational backgrounds, economic circumstances, occupations, cultural backgrounds, and cultural world views; as we need to encourage as many people as possible to be thinking--and thinking to the point of brainstorming--about how we will decrease emissions by 100% ASAP.

--as part of the many steps still required to provide a most comprehensive picture of what actions need to be prioritized at the local community level [understanding that such prioritization, carried out during Community Visioning Initiatives (or other collaborative problem solving), will be local and regional specific].

The list that follows includes 616 organizations and institutions in categories #1 and #2 above.

It should go without saying that the organizations and institutions listed represent only a minute fraction of the number of the organizations and institutions which are doing essential or supportive work to achieve the unprecedented cultural transformation we need to achieve--*and only a minute fraction of the organizations and institutions which could be doing essential or supportive work to achieve the unprecedented cultural transformation we need to achieve.* However, it seemed that a list of this kind

(even if it represents the preferences of a single compiler, this writer) might help other people visualize the kind of inspiration and encouragement we would have for local Community Visioning Initiatives-- if these 616 organizations and institutions created 5-10 page overviews of what we need to do. Also, this writer acknowledges that many of the categories, while helpful in their way, contain organizations and institutions which have multiple goals, and many interdisciplinary actions.

(Bookmarks provided for each category only at the first word)

Alleviating Water Issues; Alleviating Hunger; Alleviating Poverty (29)

Climate Finance; Green Finance (13)

Climate Mitigation/Sustainability—Business/Commerce Related (7)

Climate Mitigation--News, Analysis (7)

Climate Mitigation--Research; Education; Action (86)

Crowdfunding (5)

Elder Care (7)

Emergency Humanitarian Response (12)

Environment; Sustainability; Protecting Biodiversity (48)

Green Party (9)

Health Care (22)

Housing/Shelter Assistance (4)

Human Rights (4)

Indigenous People; Native People; First Nations (8)

Impact Investing; Socially Responsible Investing (8)

International Financial Institutions (8)

Journalism, News Sources (28)

Land Rights (10)

Local Economies; Local Currency (32)

Peacebuilding (29)

Philanthropy (25)

Publishers, Sustainability (4)

Questionnaires and Surveys (6)

Religious; Spiritual; Interfaith (19)

Stakeholder Engagement (17)

Sustainable Communities; Ecovillages; Permaculture (46)

Sustainable Food Systems (30)

United Nations Organizations (21)

Universities, Colleges; Education (57)

Women's Organizations (15)

## Alleviating Water Issues; Alleviating Hunger; Alleviating Poverty (29)

CARE (care.org) (1.27M followers)

@CARE

CARE fights global poverty by empowering girls and women. Join us: <http://careaction.org/JoinUs>  
#FightWithCARE

Water.org (729K followers)

@Water

Safe water & the dignity of a toilet, for all.

Kiva (529K followers)

@Kiva

Fight poverty with loans as small as \$25.

Acumen (441K followers)

@Acumen

Changing the way the world tackles poverty by investing in companies, leaders and ideas. Follow our Founder & CEO @jnovogratz.

Heifer International (242K followers)

@Heifer

For 75 years, Heifer has empowered millions to go from poverty to self reliance via gifts of livestock, seeds & training, providing a source of food & income.

Grameen Foundation (59.7K followers)

@GrameenFdn

Innovating for the world's poor. #microfinance #financialinclusion #socent #mobilemoney #foodsecurity #agriculture #mHealth

Water For People (50.3K followers)

@waterforpeople

Our mission – a world where everyone has lasting access to safe drinking water and sanitation, for #EveryoneForever. Join us. 💧 #safewater #SDG6 #sanitation

The Hunger Project (36.9K followers)

@HungerProject

Empowering #women and men in Africa, South Asia & Latin America to end their own #hunger and #poverty since 1977. President & CEO @SuzanneFrindt

PA (33.7K followers)

@poverty\_action

Discovering and promoting effective solutions to global poverty problems.

InterAction (33K followers)

@InterActionOrg

InterAction is the largest alliance of international NGOs & partners in the U.S. focused on the world's poor and most vulnerable.

The Water Project (26.9K followers)

@TheWaterProject

Providing clean, safe water to communities in Kenya, Uganda and Sierra Leone. Join us today and meet the community you'll help.

WFP Logistics (24K followers)

@WFPLogistics

We move food by air, land, and sea for the world's leading humanitarian organization - @WFP. The UN World Food Programme's Logistics - We Deliver!

Bread for the World (18.5K followers)

@bread4theworld

Bread for the World is a collective Christian voice urging our nation's decision makers to end hunger at home and abroad.

WaterNetwork (17.3K followers)

@WaterNetwork1

The largest online community for global water professionals. Connecting innovative and powerful people to solve the global water challenge.

WSSCC (16.9K followers)

@WSSCCouncil

The Water Supply and Sanitation Collaborative Council improves the lives of poor and vulnerable with access to better #sanitation and #hygiene. #MHM #SDG6

FINCA International (16.7K followers)

@FINCA

FINCA's mission is to alleviate poverty through lasting solutions that help people build assets, create jobs and raise their standard of living.

Paul Polak and Team (16.2K followers)

@OutofPoverty

Father of #SocEnt movement. Author: Out of Poverty & Business Solution to Poverty. Founder @IDEorg & @d\_rev\_org Tweets by Paul Polak and Out of Poverty Team

CSIS Food Security (14.9K followers)

@CSISFood

The @CSIS Global Food Security Project provides strategic guidance to policymakers to ensure that U.S. ag and nutrition programs are effective & sustainable.

World Toilet Org (11.9K followers)

@WorldToilet

Working towards a world with a clean, safe toilet and sanitation for everyone, everywhere, at all times.  
#toilets #WASH #WorldToiletDay #toilets4all #sanitation

WhyHunger (11K followers)

@whyhunger

Join WhyHunger in the fight against hunger & poverty. Help create self-reliance, economic justice & equal access to nutritious, affordable food.

EWB-ISF Canada (9,043 followers)

@ewb

Hi 🙌! We're Engineers Without Borders Canada – a community that brings together people & ideas to tackle the most crucial causes of poverty & inequality.

Global Water Forum (9,027 followers)

@GWFWater

Tweeting the best in new open-access water research: journal articles, policy reports, blogs, news, and GWF articles!



CFS (7,982 followers)

@UN\_CFS

The Committee on World #FoodSecurity of @FAO @IFAD @WFP @UN & multiple stakeholders, working to achieve #ZeroHunger #Nutrition for all

iDE (7,349 followers)

@iDEorg

We believe in the power of entrepreneurship to lift people out of poverty. Making a difference thru agriculture, sanitation and clean water.

D-Lab @ MIT (6,307 followers)

@dlab\_mit

D-Lab at the Massachusetts Institute of Technology: Poverty alleviation through technology development and dissemination.

AmpleHarvest.org (5,038 followers)

@AmpleHarvest

Ending food waste and hunger by enabling gardeners to donate their excess bounty to a nearby food pantry. Sign-up for our newsletter: <http://bit.ly/2yqRioz>

D-Rev (3,701 followers)

@d\_rev\_org

D-Rev designs and delivers durable, beautiful and affordable products to close the healthcare gap for under-served populations.

ZeroHungerCommunity (3,376 followers)

@ZHCommunity

The Community for Zero Hunger is a multi-sectoral global community response to support a food and nutrition secure future.

UFWH (1,571 followers)

@ufwhdotorg

Universities Fighting World Hunger - Empowering students from around the world to make a difference in the fight to #endhunger. #zerohunger

## Climate Finance; Green Finance (13)

Ceres (44.1K followers)

@CeresNews

Sustainability nonprofit working with the most influential investors and companies to build leadership and drive solutions throughout the economy.

[Also: Ceres Investor Network on Climate Risk and Sustainability--“The Ceres Investor Network includes over 160 institutional investors, managing more than \$26 trillion in assets, advancing leading investment practices, corporate engagement strategies, and key policy and regulatory solutions.” Network members listed at <https://www.ceres.org/networks/ceres-investor-network> ]

Climate Investment Funds (15.3K followers)

@CIF\_Action

The Climate Investment Funds (CIF) is the world's largest multilateral climate finance instrument, supporting low-carbon development in over 70 countries.

ClimateBonds (9,432 followers)

@ClimateBonds

The Climate Bonds Initiative is an investor-focused not-for-profit, promoting large-scale investment in the low-carbon economy. Tweets by Andrew Whiley

IIGCC (6,662 followers)

@IIGCCnews

Over 170 European institutional #investors managing €23 Trillion in assets, taking #ClimateAction for a prosperous, low carbon, future. RT≠endorsement.

CPI (6,144 followers)

@climatepolicy

Climate Policy Initiative works to improve the most important energy and land use policies around the world, with a particular focus on finance.

ClimateWorks Foundation (5,513 followers)

@ClimateWorks

ClimateWorks Foundation mobilizes philanthropy to solve the climate crisis and ensure a prosperous future.

IGCC Update (Collaboration of Australian/New Zealand Investors) (3,955 followers)

@IGCC\_Update

Investor Group on Climate Change

Climate Action 100+ (3,816 followers)

@ActOnClimate100

#investor initiative to ensure the world's largest corporate greenhouse gas emitters to take necessary action on #climatechange.

The Lab (2,294 followers)

@climatefinlab

Develops and launches transformative sustainable investment instruments to drive billions into developing countries. Led by @climatepolicy.

Green Bank Network (2,068 followers)

@GreenBankNtwrk

Global network of #GreenBanks & experts sharing best practices in green finance, with focus on tools that catalyze private investment in green infrastructure

Green Century (1,746 followers)

@Green\_\_Century

The Green Century Funds are the nation's only family of fossil fuel free, diversified and socially responsible mutual funds. Obtain a prospectus on our website.

AIGCC (Asia Investor Group on Climate Change) (1,034 followers)

@AIGCC\_update

AIGCC provides capacity for investors to share best practice and to collaborate on investment activity, credit analysis, risk management, engagement and policy.

Climate Justice Resilience Fund (537 followers)

@CJRFund

Making grants for community-led, social justice approaches to climate change adaptation and resilience-building. <https://www.cjrfund.org/>

## Climate Mitigation/Sustainability--Business/Commerce Related (7)

World Economic Forum (3.43M followers)

@wef

The international organization for public private cooperation. #wef

The Economist Intelligence Unit (96.8K followers)

@TheEIU

We are the research & analysis division of The Economist Group & the world leader in global business intelligence. Follow our analysts: <http://bit.ly/2TAv4XT>

The Carbon Trust (58.8K followers)

@thecarbontrust

Working with businesses, governments and the public sector to accelerate the move to a sustainable, low carbon economy.

CDP (35.3K followers)

@CDP

We run the global environmental disclosure system for business & subnational governments. Voted #1 for climate research by investors. Founding member @WMBtweets

[Also: "Our work (CDP) with supply chains includes 115 purchasing organizations and more than 11,500 suppliers to identify and manage climate change, deforestation and water-related risks. By supporting collaboration and transparency in the value chain, our supply chain member companies can engage with their suppliers to tackle risks, take advantage of opportunities and ensure business continuity." See CDP Supply Chain Members ("These 125 CDP supply chain members – purchasing organizations – are engaging over 13,000 suppliers on environmental issues") at <https://www.cdp.net/en/supply-chain> .]

WBCSD (34.1K followers)

@wbcsd

The World Business Council for Sustainable Development is a CEO-led organization of 200 businesses working to accelerate the transition to a sustainable world.

We Mean Business (22.2K followers)

@WMBtweets

Working with the world's most influential businesses to take bold action on climate & call for ambitious policy. How are you building a better #FutureFaster?

Supply Chain Matters (11.2K followers)

@SC\_Matters\_Blog

Bob Ferrari's Blog on global supply chain business process and technology developments. One of the top ten blogs in supply chain management.

## Climate Mitigation--News, Analysis (7)

Climate Progress (216K followers)

@climateprogress

Providing the progressive perspective on climate science, climate solutions, and climate politics.

Climate Desk (146K followers)

@ClimateDesk

A journalistic collaboration dedicated to exploring the impact—human, environmental, economic, political—of a changing climate.

Climate Central (109K followers)

@ClimateCentral

Researching and reporting the science and impacts of climate change

InsideClimate News (108K followers)

@insideclimate

Pulitzer Prize-winning, non-profit, non-partisan newsroom dedicated to covering climate, energy and the environment. Our newsletter: <http://bit.ly/2NcWMpo>

Carbon Brief (54.1K followers)

@CarbonBrief

Award-winning website dedicated to analysis and fact-checking of energy policy and climate change science, with a focus on the UK.

Climate Home News (37.6K followers)

@ClimateHome

The only truly global climate news website || Online Media Award winner, Specialist/Local News Site of the Year 2018

Climate News Hub (13.3K followers)

@ClimateNewsHub

The latest news on climate change and climate action #ParisAgreement #Climate #ClimateChangelsReal

## Climate Mitigation--Research; Education; Action (86)

UN Climate Change (591K followers)

@UNFCCC

Official twitter account of UN Climate Change. Also in Spanish @CMNUCC, French @CCNUCC and German @UNKlima. Our head: @PEspinosaC

Climate Reality (455K followers)

@ClimateReality

Founded by @algore, we're bringing the world together to stop climate change and create a healthy and prosperous future powered by clean energy.

350 dot org (364K followers)

@350

Join a global movement that's inspiring the world to rise to the challenge of the climate crisis. 350=safe upper limit of CO2 in atmosphere. #FossilFree

NASA Climate (326K followers)

@NASAClimate

Rocket science isn't enough; we're climate scientists, too. Find us at <http://climate.nasa.gov> . RTs, links & follows are not endorsements.

Extinction Rebellion  (178K followers)

@ExtinctionR

Non-violent direct action and civil disobedience for action on #ClimateBreakdown and #EcologicalCollapse. This is an emergency - #RebelForLife.

IEA (159K followers)

@IEA

The International Energy Agency (IEA) works to ensure reliable, affordable and clean energy for its 28 member countries and beyond.



Siemens Energy (158K followers)

@Siemens\_Energy

We answer the challenges of a #sustainable #energy system with innovative products, solutions, services, and global market expertise. <http://sie.ag/imprint>

IPCC (153K followers)

@IPCC\_CH

The Intergovernmental Panel on Climate Change #IPCC is the leading world body for the assessment of #climatechange. RT ≠ endorsement  

The Climate Group (139K followers)

@ClimateGroup

We're accelerating climate action to combat global warming and achieve a clean economy #RE100 #EP100 #EV100 #Under2Coalition #ZEVChallenge #ClimateWeekNYC

USGBC (129K followers)

@USGBC

Developers of #LEED. #GreenBuildings for everyone within this generation. Sustainability focused. Community driven. Global Impact. #GBCI family.

RenewableEnergyWorld (124K followers)

@REWorld

World's #1 Renewable Energy News and Information Source

GreenBiz (101K followers)

@GreenBiz

The leading media and events company at the intersection of business, sustainability and innovation. Tune into our podcast here: <https://www.greenbiz.com/350>

Sunrise Movement (96.2K followers)

@sunrisemvmt

We are building an army of young people to stop climate change and create millions of good jobs in the process through a #GreenNewDeal.

Earth Institute (92.1K followers)

@earthinstitute

Mobilizing the sciences, education and public policy to achieve a sustainable earth. Located at Columbia University.

CleanTechnica (91.5K followers)

@cleantechnica

World's #1 cleantech & clean energy website. Solar energy, wind energy, electric vehicles, & more. For tweeting commentary, see site director @zshahan3

Solar Energy News (91.3K followers)

@SolarEnergyNews

Your source for solar energy news, solar energy products, solar policy and a sustainable future.

<http://Facebook.com/SolarEnergyNews>

C40 Cities (86.9K followers)

@c40cities

C40 connects 94 of the world's leading cities taking bold climate action to build a healthier, more sustainable future for all #Cities4Climate ♀□

IRENA (65K followers)

@IRENA

The International Renewable Energy Agency is an intergovernmental organisation that supports countries in their transition to a sustainable energy future.

DiCaprio Foundation (63.2K followers)

@dicaprioofdn

Official twitter account of the Leonardo DiCaprio Foundation

Union of Concerned Scientists (61.7K followers)

@UCSUSA

The Union of Concerned Scientists puts rigorous, independent science to work to solve our planet's most pressing problems.



IIED (52.6K followers)

@IIED

International Institute for Environment and Development: Policy research on climate change, natural resources, sustainable markets & human settlements

We Don't Have Time (46.3K followers)

@WeDontHaveTime0

If a large enough number of ordinary citizens come together to share information, policy proposals, solutions and demand action, change will come.

WRI Climate (41.4K followers)

@WRIClimate

Advancing transformative climate solutions. Analysis, insight, and research on climate change from WRI Climate at the @WorldResources.

GCCA (40.8K followers)

@tcktcktck

The Global Call for Climate Action is an alliance of more than 450 global nonprofit organisations working towards real progress on climate change.

Fridays For Future Germany (40.3K followers)

@FridayForFuture

Wir sind Schüler\*innen, Azubis, Studierende und junge Menschen aus Deutschland, die freitags auf die Straße gehen, um gegen die #Klimakrise zu streiken.

MIT ClimateCoLab (36.6K followers)

@ClimateCoLab

Crowdsourcing solutions to global climate change. See new contests at <http://climatecolab.org/contests>

SEI Climate (35.6K followers)

@SEIclimate

Stockholm Environment Institute climate & policy research team, working at 8 centres worldwide. We post highlights of our work & interesting items we encounter.

Siemens Cities (34.3K followers)

@SiemensCities

Urbanization, climate change & globalization will shape the future of cities. Creating environments that care #SmartInfastructure <http://sie.ag/imprint>

The YEARS Project (30.8K followers)

@YEARSOFLIVING

The YEARS Project is a multimedia storytelling and education effort designed to inform, empower and unite the world in the face of climate change. #YEARSPROJECT

ICLEI (29.5K followers)

@ICLEI

ICLEI – Local Governments for Sustainability is a global network of more than 1,750 local and regional governments committed to sustainable urban development.

SEI Research (29.5K followers)

@SEIresearch

SEI is an independent international research institute engaged in environment and development issues at local, national, regional and global policy levels.

Zero Hour (24.4K followers)

@ThisIsZeroHour

#ThisIsZeroHour to act on climate change. We are an intersectional movement of youth activists fighting for a livable planet for all. Join us ↓

FridaysForFuture (23.9K followers)

@Fridays4future

Official account of the #FridaysForFuture movement. Mostly retweets from strikes around the globe 🌐  
#FridaysForFuture #ClimateStrike

Global Covenant (23.6K followers)

@Mayors4Climate

The Global Covenant of Mayors for Climate & Energy is the largest global coalition of cities transitioning to a climate resilient economy. #StepUp2018

Transition Network (23.6K followers)

@transitiontowns

Official Transition Towns Twitter Account. Mission: to inspire, encourage, support, connect and train the Transition Movement.

Worldwatch Institute (21.3K followers)

@Worldwatch

Environmental research organization focused on advancing low-carbon energy, creating a healthy future for agriculture, and developing sustainable economies

Climate Action Network-International (20.9K followers)

@CANIntl

Network of over 1200 NGOs fighting climate change. Watch here for updates on UN climate talks, our ECO newsletter, Fossil of the Day & other member activities.

Project Drawdown (19.4K followers)

@ProjectDrawdown

Project Drawdown is a research, analysis, and communications NGO working toward Drawdown, the point when greenhouse gases begin to decline. #climatesolutions

POWERGEN International (18.5K followers)

@powergenintl

Where CONVENTIONAL Meets RENEWABLE \*30-year-strong power generation event with diverse content for all forms of energy\* #POWERGEN19

Momentum for Change (18.4K followers)

@Momentum\_UNFCCC

Momentum for Change is an initiative of the UN Climate Change secretariat (@UNFCCC) shining a light on climate action

Centre for Alt Tech (18.2K followers)

@centre\_alt\_tech

The Centre for Alternative Technology is an environmental education charity providing practical solutions for sustainability.

Windpower Monthly (17.6K followers)

@windpower\_m

The leading title for the global wind power and renewables industry covering business, legislation, turbine technology, grids, energy storage & transmission

Global Forest Watch (17.5K followers)

@globalforests

Use GFW's satellite technology, open data and human networks to better monitor and manage forests. It's free and easy to use. Led by @worldresources.

Post Carbon Inst. (17.1K followers)

@postcarbon

Post Carbon Institute is leading the transition to a more resilient, equitable, and sustainable world.

REA (17K followers)

@REAssociation

The UK's largest trade association for renewables and clean tech, including storage and EVs. Around 600 members operating in heat, transport, power & recycling.

REN21 (16.9K followers)

@REN21

REN21 is the global multi-stakeholder renewable energy policy network for the 21st century.

100% (16.1K followers)

@100isNow

100% for 100%. We celebrate the people driving a transition to 100% clean energy for 100% of people. A campaign of @SolutionsProject

CO2 earth (15.5K followers)

@CO2\_earth

The world's latest data for atmospheric CO2, practically in real time. #carbon #ghg #CO2 #unfccc #CSR #energy #CSR #globalwarming #climate #science

Solutions Project (15.1K followers)

@SolutionsProj

Accelerating the transition to 100% clean, renewable energy for all. Follow @100IsNow for more updates.

E3G (12.9K followers)

@e3g

E3G is an independent climate change think tank accelerating the transition to a climate safe world.  
 Newsletter at <http://bit.ly/E3Gnews>

School Strike 4 Climate (12.3K followers)

@StrikeClimate

Kids striking from school to demand urgent political action on climate change. Authorised by: D. Bridgfoot, Castlemaine (Australia)

Sindicatum (11.7K followers)

@sindicatum

Passionately helping to build a healthier world and to fight climate change by building solar, wind and waste-to-energy projects in Asia. CEO: @AssaadRazzouk

CICERO (10.4K followers)

@CICERO\_klima

CICERO - Center for International Climate Research. Twitter account updated by communication staff. RTs & links are not endorsements.

Energy Storage Assoc (10.3K followers)

@storage\_ESA

Energy Storage Association represents the energy storage industry, promoting the adoption of competitive and reliable #EnergyStorage systems. #StorageIsHere

Greentown Labs (9,778 followers)

@GreentownLabs

The largest cleantech startup incubator in North America—powered by a community of entrepreneurs tackling the biggest climate + environmental challenges.

CleanEnergySolutions (9,406 followers)

@Clean\_Energy\_SC

Initiative of the Clean Energy Ministerial (CEM) focusing on clean energy policy and finance. Provides no-cost resources, expert assistance and training.

RE100 (9,388 followers)

@theRE100

The world's most influential companies, committed to 100% renewable power. Brought to you by @ClimateGroup in partnership with @CDP. #RE100

ICCCAD (9,348 followers)

@ICCCAD

International Center for Climate Change and Development. Tackling #ClimateChange through research, capacity building and collaboration.

Potsdam Institute (9,169 followers)

@PIK\_Climate

PIK addresses crucial scientific questions in the fields of global change, #climate impacts and #sustainable development. Tweets from the press team.

Energy Cities (8,308 followers)

@energycities

Network of +1,000 local authorities in 30 countries: Advocate of a big power shift towards local communities & strong cooperation btw areas, sectors, people.

C2ES (8,275 followers)

@C2ES\_org

The Center for Climate and Energy Solutions is an independent, nonpartisan, nonprofit organization working to forge practical solutions to climate change.

Energy & Environment (7,828 followers)

@Energy\_Alerts

Follow for news & commentary regarding legal and regulatory issues at the intersection of Energy, Utilities, and the Environment. A @JDSupra feed.

Beyond Carbon (7,743 followers)

@BeyondCarbon

Spearheaded by @MikeBloomberg, Beyond Carbon is the largest coordinated campaign to tackle the climate crisis ever undertaken in the United States.

Climate Analytics (7,301 followers)

@CA\_Latest

A non-profit climate science and policy institute. UNFCCC negotiations, climate change impacts, economics, mitigation, adaptation, loss&damage, 1.5°C, GCF

Clean Energy Wire (7,252 followers)

@cleanenergywire

News, facts & analyses on Germany's energy transition. Imprint:

<https://www.cleanenergywire.org/imprint>

GWEC (6,977 followers)

@GWECGlobalWind

The Global Wind Energy Council is the international trade association for the wind power industry, representing the united voice of the industry, globally.

Climate & Migration (6,288 followers)

@CliMig

Climate change will re-shape patterns of migration. Everyone has the right to move safely and legally.

Get our weekly briefing. A project by @ClimateOutreach

Global Catholic Climate Mvt. (6,270 followers)

@CathClimateMvmt

Pope Francis calls on Catholics to act against the unjust #ClimateCrisis. Join us as we strive to #LiveLaudatoSi.

Regeneration Int'l (6,202 followers)

@regeneration\_in

We can cool the planet and feed the world through organic regenerative agriculture! 🌱

The Climate Mobilization (5,267 followers)

@MobilizeClimate

We're building a movement for WWII-scale mobilization that protects humanity and the natural world.

Join us!

Divest Invest (5,516 followers)

@divestinvestorg

A dynamic movement of investors catalyzing shifts in finance & energy. Let's #FuelChange: Pledge to divest from fossil fuels and invest in clean energy for all.

PIRC (5,493 followers)

@pircuk

("Framing Climate Justice")

We work with civil society to develop stories and strategies for a more equal, democratic and green society.

Renewable World (5,360 followers)

@RenewableWorld

We bring clean, renewable energy to remote, off-grid communities in the developing world. Tackling poverty through renewable energy. #Power4All

Energy-Storage.News (4,992 followers)

@energystoragenw

Emissions-free technology with the capacity to change the world... News, interviews, analysis & blogs on #energystorage innovation & technologies @Solarmedialtd

SolarReserve (4,534 followers)

@SolarReserve

Innovative developer of large scale solar projects and leading solar thermal storage technology transforming the sun into the ultimate 24/7 energy solution.

GreenFaith (3,357 followers)

@greenfaithworld

We are an interfaith environmental organization helping people put belief into action for the Earth. Global campaigns include @livingthechange & @ourvoices2015.

The Climate Registry (3,192 followers)

@theclimatereg

We are North America's leading provider of guidance, online tools and training for measuring, reporting and verifying greenhouse gas emissions.

IREDA (2,591 followers)

@IREDALtd

Official twitter account of Indian Renewable Energy Development Agency Limited, A Government of India Enterprise. We finance Renewable Energy projects in India.



Global People's Summit (2,284 followers)

@ThePeopleSummit

Lifting voices and actions of #GlobalPeople for the #GlobalGoals during the @UN #UNGA. Want to change the world? Join us from anywhere in the world ONLINE

Global100%RE (2,175 followers)

@Global100RE

Global100RE connects the fragmented dots of renewable energy (RE) advocates to build a political momentum, proving that 100% RE is urgent and achievable.

Energy Watch Group (1,624 followers)

@EWGnetwork

Energy Watch Group (EWG) is an international network of scientists & parliamentarians. We analyze and publish independent studies on global energy developments.

JCESR (1,102 followers)

@JCESRHub

The Joint Center for Energy Storage Research (JCESR) brings together government, academia and industry to create breakthrough energy storage technology.

EUREC (862 followers)

@EUREC\_Info

The Association of European #RenewableEnergy #Research Centres. Representing #renewables, #energyefficiency, storage, distribution & integration #technologies

Greensmith Energy (736 followers)

@greensmithco

Greensmith Energy, a Wärtsilä company, designs and deploys the world's most advanced energy storage systems, including hybrid solutions.

SSR International (624 followers)

@SSRint

SSRI - Sustainability & Social Responsibility International (previously CSR International @CSRint).

Connects & supports S&SR professionals. Founder @WayneVisser

Re|Volt (543 followers)

@WorldwatchEn

The official Twitter for the Worldwatch Institute's Climate & Energy program. Advancing sustainable development and low-emissions strategies around the world.

## Crowdfunding (5)

Kickstarter (1.05M followers)

@kickstarter

10 years. 16 million backers and creators. 160,000 creative projects. And this is just the beginning.

Indiegogo (341K followers)

@Indiegogo

A community of inventors, backers and buyers, we're here so you can make clever discoveries before everyone else. Curious? Check us out: <http://bit.ly/2vttMkt>

AngelList (319K followers)

@AngelList

Raise money and recruit on AngelList. Launch on @ProductHunt. Support @AngelListCare

Crowdfunder (59K followers)

@crowdfunderuk

We are the #1 crowdfunding platform in the UK, having raised over £60m. Connecting projects that matter with people who care.

StartSomeGood (53K followers)

@StartSomeGood

Global crowdfunding platform for social entrepreneurs, non-profits & changemakers. Best advice, co-funding, passionate support. Dream big, raise funds, do good.

## Elder Care (7)

AARP (131K followers)

@AARP

AARP is leading a revolution in the way people view & live life after 50

NCOA (27.7K followers)

@NCOAging

A trusted national leader improving the lives of older adults since 1950. Focusing on health, economic security, & strengthening government programs. #WeAgeWell

AHCA/NCAL (10.2K followers)

@ahcancal

Improving lives by delivering solutions for quality care. Representing over 13,700 skilled nursing centers, assisted living communities, and other care centers.

NationalCareElderly (4,649 followers)

@NICElderly

The National Initiative for the Care of the Elderly (NICE) is an international knowledge transfer network dedicated to improving the care of #olderadults.

HelpAge India (3,298 followers)

@HelpAgeIndia\_

Bringing real time updates from HelpAge India's work for disadvantaged elders across India. We work to bring dignity & empowerment in the lives of elderly.

Long Term Care Assoc (1,501 followers)

@LongTermCare1

We focus on helping your family or business get ready for all the things you know are coming and prepare for the things you can't anticipate.

VtVNetwork (968 followers)

@VtVNetwork

@VtVNetwork #VtV has been created by Villages for Villages, changing the way we age in community through the National #VillageMovement. <http://vtvnetwork.org>

## Emergency Humanitarian Response (12)

ICRC (2.24M followers)

@ICRC

International Committee of the Red Cross: On the ground in over 80 countries, providing humanitarian aid to victims of conflict and violence.

CDC (1.17M followers)

@CDCgov

CDC's official Twitter source for daily credible health & safety updates from Centers for Disease Control & Prevention. Privacy policy: <http://bit.ly/2MhQ6Hp>

World Vision (1.16M followers)

@WorldVision

We are a Christian relief, development and advocacy organisation, going where no one else goes because Jesus is alive in the hardest places to be a child.

IRC Intl Rescue Comm (376K followers)

@theIRC

International Rescue Committee. We respond to the world's worst humanitarian crises & help people to survive, recover, and gain control of their future.

Refugees International (280K followers)

@RefugeesIntl

Refugees International advocates for lifesaving assistance and protection for displaced people. We are independent and do not accept government or UN funding.

Mercy Corps (221K followers)

@mercycorps

In the most difficult challenges, we see possibility. Together, we can build a better world.

IFRC Intl. Federation #RedCross #RedCrescent (182K followers)

@ifrc

International Federation of Red Cross and Red Crescent Societies, the world's largest humanitarian organization.

MSF International (130K followers)

@MSF

Médecins Sans Frontières (MSF) is an international, independent, medical humanitarian organization

Catholic Relief (76.1K followers)

@CatholicRelief

Catholic Relief Services (CRS) is the official int'l humanitarian agency of the U.S. Catholic community. We assist people in need in more than 100 countries.

Islamic Relief (53.6K followers)

@IRWorldwide

An independent humanitarian and development organisation with a presence in over 40 countries across the globe.

Save the Children (42.2K followers)

@save\_children

Save the Children's official global voice. We're calling on world leaders to ensure #EveryLastChild survives, learns and is protected!

Relief International (3,705 followers)

@ReliefIntl

Relief International (RI) is a leading global humanitarian organization that turns adversity into resilience for the world's most vulnerable populations.

## Environment; Sustainability; Protecting Biodiversity (48)

WWF (3.95M followers)

@WWF

Building a future in which people live in harmony with nature #togetherpossible #connect2earth #NewDealForNature #ShareOurPlanet #VoiceForThePlanet

Greenpeace (1.75M followers)

@Greenpeace

Greenpeace exists because this fragile earth deserves a voice. It needs solutions. It needs change. It needs action.

World Wildlife Fund (1.45M followers)

@World\_Wildlife

Our planet faces many big conservation challenges. No one person or organization can tackle these challenges alone, but together we can. WWF-US

The Nature Conservancy (933K followers)

@nature\_org

Our mission is to conserve the lands and waters on which all life depends. Working in 72 countries, all 50 U.S. states and your backyard.

Ashoka (482K followers)

@Ashoka

Ashoka is a global organization leading the way to an Everyone a Changemaker World.

Patagonia (439K followers)

@patagonia

We're in business to save our home planet.

TreeHugger.com (352K followers)

@TreeHugger

Links, Ideas and Conversation from the TreeHugger hive mind, the latest in modern green.

Ocean Conservancy (324K followers)

@OurOcean

Together, we create science-based solutions for a healthy ocean and the wildlife and communities that depend on it. 🌊 #ourocean

NRDC (317K followers)

@NRDC

Natural Resources Defense Council | The Earth's Best Defense

Planet Green (281K followers)

@PlanetGreen

Planet Green offers practical, everyday tips on how to live a greener lifestyle. We offer actionable advice across a variety of topics: green made real.

Rainforest Alliance (192K followers)

@RnfrstAlliance

International NGO advancing sustainable land use for strong forests & thriving communities. Joining forces with @UTZCertified. Email: [info@ra.org](mailto:info@ra.org).

EDF (187K followers)

@EnvDefenseFund

Environmental Defense Fund works with businesses, government & communities to create lasting solutions to the most serious enviro problems. #ActOnClimate

World Resources Inst (159K followers)

@WorldResources

Climate change, energy, food, forests, water, cities, the ocean, governance, finance, business, economics. Tweet/Like ≠ endorsement. Tweets by @lauraleedooley

Conservation Intl (154K followers)

@ConservationOrg

We're Conservation International. We protect nature for the benefit of all 7 billion people on Earth—because people need nature to thrive.

IUCN (122K followers)

@IUCN

For over 70 years, IUCN has provided organisations with knowledge and resources needed to address environmental challenges and achieve sustainable development.

Goldman Prize (65.2K followers)

@goldmanprize

The Goldman Environmental Prize is the world's largest award honoring grassroots environmental activists. #GoldmanPrize30

SustainAbility (58.1K followers)

@SustAbility

Making the future the cause of our present... Global think tank & advisory who inspire and enable business to lead the way to a sustainable economy.

EarthIslandInstitute (55.2K followers)

@earthisland

Earth Island Institute grows environmental leadership to support the biological & cultural diversity that sustain the environment

Circular Ecology (53.7K followers)

@CircularEcology

Environmental Sustainability, Carbon Footprints, Water Footprints, LCA, Circular Economy. Tweets by @EcoCraigJones

3BL CSRwire (53.2K followers)

@CSRwire

The latest #news, views and reports in #CSR and #sustainability. Part of the @3BLMedia Network. Register for 3BL Forum: <http://bit.ly/3BLForum2019>

World Agroforestry (52.1K followers)

@ICRAF

World Agroforestry (ICRAF) is an independent not-for-profit research organization working to put trees on farms and into the landscape.

Ellen MacArthur Fdn. (50.9K followers)

@circulareconomy

The Ellen MacArthur Foundation works with business, govt. & academia to build a framework for a #circulareconomy that is restorative & regenerative by design.

Fairtrade Intl (44.9K followers)

@FAIRTRADE

#Fairtrade International & its member organizations work to secure better trade terms for #farmers & #workers.

GEF (44.6K followers)

@theGEF

Official account of the Global Environment Facility. Follow our CEO @NaokoIshiiGEF and Head of Communications @RobbieBisset for live coverage of key events.



Friends of the Earth (38.4K followers)

@FoEint

Friends of the Earth International is the world's largest grassroots environmental network | Español:

@FoEint\_es Français: @FoEint\_fr

Global Green (34.6K followers)

@globalgreen

Environmental nonprofit working to stem climate change & build a more sustainable, secure future.

Helping the people, places & the planet in need.

SEforALL (34.3K followers)

@SEforALLorg

Sustainable Energy for All (SEforALL) empowers leaders to broker relationships and unlock financing needed to help secure #SDG7. Hosts of the #SEforALLforum.

IPBES (33.1K followers)

@IPBES

Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) RT & MT ≠ endorsements.

GlobalDevLab (30.9K followers)

@GlobalDevLab

The @USAID's Global Development Lab; using #innovation, technology, research, & partnership to promote pathways to self-reliance & resilience. #USAIDTransforms

One Acre Fund (26.5K followers)

@OneAcreFund

Working to make #smallholder farmers more prosperous. #FarmersFirst

Zero Waste Scotland (24.6K followers)

@ZeroWasteScot

Helping Scotland create a more #CircularEconomy & realise the economic, environmental & social benefits of using resources sustainably. #ScotGov & #ESIF funded.

Bioneers (24.2K followers)

@bioneers

Advancing solutions for a just & sustainable world. Join us! Visit our website below and subscribe to the Bioneers Pulse.

Sustainia (21.2K followers)

@Sustainia

Sustainia's mission is to accelerate sustainable solutions via the greatest sustainability movement on earth. #GOexplorer #Cities100

Circular Economy (18.1K followers)

@circecon

FOI Design working with business & organisations. Circular Economy course & training programme design and implementation specialists.

Footprint Network (16.1K followers)

@EndOvershoot

Global Footprint Network is a research organization changing how the world manages its natural resources and responds to climate change.

Global • [footprintnetwork.org](http://footprintnetwork.org)

Post Growth Institute (14.1K followers)

@postgrowth

For a #postgrowth world focused on better, not bigger. Forthcoming book - <http://howonearth.us> . We organize: <http://freemoneyday.org> , <http://enrichlist.org>

Circular Economy Club (10.5K followers)

@CircularEClub

The international network of #CircularEconomy professionals and organizations.

[info@CircularEconomyClub.com](mailto:info@CircularEconomyClub.com)

Green America (8,238 followers)

@GreenAmerica

Our mission is to harness economic power to create a socially just and environmentally sustainable society. #VoteWithYourDollar #SkiptheSlip #CleanUpWireless

ACT Alliance (7,387 followers)

@ACTAlliance

ACT Alliance is one of the world's largest global justice networks, championing sustainable progress for the poor and marginalised in 140 countries.

Right Livelihood Award (5,575 followers)

@rlafoundation

The #RightLivelihoodAward (widely known as #AlternativeNobel Prize) celebrates outstanding vision & work for our planet & its people.

Global Grassroots (5,217 followers)

@GrassrootsViews

Tracking grassroots efforts to make ecological, social, and cultural change worldwide.

CASSE (4,518 followers)

@SteadyStateEcon

Advancing the steady state economy for: 1) environmental protection; 2) economic sustainability; 3) national security, and; 4) international stability.

AgroEcology Fund (4,502 followers)

@FundAgroEcology

AgroEcology Fund is a collaboration of nearly 19 funders amplifying sustainable agroecological solutions.

Water Footprint (3,717 followers)

@WaterFootprintN

#WaterFootprint twitter channel operated by Water Footprint Network

NOFA/Mass (3,472 followers)

@NOFAMass

Massachusetts chapter of the Northeast Organic Farming Association #NOFAMass #NOFAMassWC See you at the 2017 @NOFA\_SC Our Greater Boston efforts @NOFA\_Boston.

Katerva (2,861 followers)

@Katerva

Katerva's mission is to identify, evaluate & accelerate game-changing innovation. The Katerva Awards are the pinnacle of global sustainability recognition.

World Cities Summit (2,340 followers)

@The\_WCS\_SG

#WCSSG The global platform to address liveable and sustainable city challenges, share integrated urban solutions and forge new partnerships.

@SustainCities (1,582 followers)

@SustainCities

Account dedicated to share knowledge on Sustainability for Cities. Moderated by @DrDaniellaAbreu

## Green Party (9)

BÜNDNIS90/DIE GRÜNEN (Germany) (467K followers)

@Die\_Gruenen

Kommt, wir bauen das neue Europa!

The Green Party (UK) (264K followers)

@TheGreenParty

Want to remain in the EU and tackle climate chaos? Then Vote Green. Follow our Co-Leaders:

@jon\_bartley & @sianberry. <http://greenparty.org.uk/social-imprint>

GroenLinks (128K followers)

@groenlinks

Voor een eerlijk, zorgzaam en groen Nederland. 🌱🌿 Word net als 30.000 anderen lid van onze beweging: <http://www.groenlinks.nl/wordlid>

The Australian Greens (96.7K followers)

@Greens

Our four principles: ecological sustainability, grassroots democracy, social justice, peace & non-violence.

Authorised by C. Garner, Australian Greens, Canberra

Green Party US (84.2K followers)

@GreenPartyUS

Official Twitter account of the Green Party of the United States // Twitter oficial del Partido Verde E.E.U.U. <https://www.facebook.com/GreenPartyUS/>

Ecolo (22.9K followers)

@Ecolo

Le Twitter officiel d'Ecolo, le parti politique écologiste belge francophone.

Green Party of California (6,348 followers)

@GPCA

Register Green for ecology, non-violence, grassroots democracy, feminism, diversity, future focus and social and economic justice.

Green Party NY (5,675 followers)

@gpny

Official Twitter Account of the Green Party of New York State! Stay up to date about candidates, events, and meetings.

Green Press (2,514 followers)

@GreenPressInt

Global Green News

## Health Care (22)

World Health Organization (WHO) (4.79M followers)

@WHO

We are the #UnitedNations' health agency. We are committed to achieve better health for everyone, everywhere - #HealthForAll

AMA (680K followers)

@AmerMedicalAssn

American Medical Association: A national organization empowering physicians, residents and med students. [RT ≠ Endorsement] #MembersMoveMedicine @AMAMedstudents

The Lancet (379K followers)

@TheLancet

Welcome to The Lancet on Twitter. Keep in touch with The Lancet, one of the world's leading general medical journals, published weekly since 1823.

Veterans Health (105K followers)

@VeteransHealth

Veterans Health Administration, U.S. Department of Veterans Affairs. Following a Twitter user does not signify VA endorsement. <http://go.usa.gov/y7l>

Nurses Association (98.2K followers)

@ANANursingWorld

We are the national professional association advocating for registered nurses & the patients they serve. #EndNurseAbuse [RTs/Likes are not endorsements]

Aetna (50.9K followers)

@Aetna

At Aetna, a @CVSHealth business, we are building a healthier world by inspiring & empowering you to live your happiest, healthiest life. ♀ ♂

UnitedHealthcare (49.9K followers)

@UHC

Here with a simpler approach to health plans to help make the complex health system easier for everyone to navigate. For customer care, tweet @AskUHC

AmericanCollSurgeons (49.5K followers)

@AmCollSurgeons

The American College of Surgeons is the largest prof. org. for surgeons & advances quality surgical care through research, education, accreditation & advocacy.

American Hospital Association (46.1K followers)

@ahahospitals

The American Hospital Association represents nearly 5000 hospitals + health systems and serves their patients & communities. Follow @AHAadvocacy to #ProtectCare

CVS Health (45.6K followers)

@CVSHealth

We are health care innovators with a simple and clear purpose: Helping people on their path to better health. Customer Care: <https://cvs.co/ContactUs>

AAFP (39.8K followers)

@aafp

The American Academy of Family Physicians represents 134,600 family physicians, family medicine residents, and medical students.

Kaiser Permanente (38.7K followers)

@aboutKP

News & views from Kaiser Permanente, one of America's leading health care providers & not-for-profit health plans. Tweets ≠ medical advice. Emp. advocacy=#BeKP

AAHPM (13.6K followers)

@AAHPM

The professional organization for physicians, nurses, and other healthcare providers specializing in hospice and palliative medicine #hpm

World Medical Association (10.9K followers)

@medwma

World Medical Association (WMA): representing 112 National Medical Associations and constituent members and 10 million physicians

California Medical Association (9,972 followers)

@CMAdocs

The California Medical Association (CMA) proudly represents 44,000+ physicians to support healthy communities & patients. See also @DocLobby #CMAdocs #CMAleads

MU Health Care (9,043 followers)

@muhealth

University of Missouri Health Care, the state's premier academic medical center, offers a spectrum of care, ranging from primary care to specialized treatments.

Indian Medical Association (HQs.) (4,606 followers)

@IndianMedAssn

The official Twitter handle of Indian Medical Association. Follow us for more updates on the latest happenings.

Climate for Health (3,044 followers)

@Climate4Health

Climate for Health is a national initiative led by a diverse network of health leaders from across the health sector, committed to advancing climate solutions.

HCWH - US & Canada (2,625 followers)

@HCWithoutHarm

Transforming the health sector worldwide to become ecologically sustainable and a leading advocate for environmental health and justice

Doctors for Climate (1,899 followers)

@docsforclimate

A consortium of the nation's doctors talking about #climatechange and #publichealth. Hosted @Mason4C. #HealthAndClimate

HCWH Europe (1,805 followers)

@HCWHeurope

Transforming the health sector to become ecologically sustainable and a leading advocate for environmental health and justice. RT ≠ endorsement

Nurses Climate Challenge (229 followers)

@RNClimateChal

The Nurses Climate Challenge is mobilizing nurses to educate 50,000 health professionals on climate change & health. 🌍 Sponsored by @HCWithoutHarm & @enviRN

## Housing/Shelter Assistance (4)

Habitat for Humanity (1.08M followers)

@Habitat\_org

Help build strength, stability, and self-reliance through shelter.

World Rural Forum (4,374 followers)

@WorldRuralForum

Sustainable rural development and family farming - Desarrollo rural sostenible y agricultura familiar - Développement rural durable et agriculture familiale

World Habitat (4,061 followers)

@WorldHabitat

Everyone has the right to a safe, sustainable home. We find, celebrate & help transfer the world's best housing #WorldHabitatAwards We were @bshf

Habitat International Coalition – HIC (3,338 followers)

@habitat\_intl

HIC is the Global Coalition for the #rights to habitat and #socialjustice that promotes #humanrights related to #housing and #land in both rural and urban areas



## Human Rights (7)

Human Rights Watch (3.99M followers)

@hrw

Exposing #HumanRights abuses around the world. Join us to help end them! Staff:  
<http://bit.ly/HRWstaff> Instagram: <https://www.instagram.com/humanrightswatch/> ...

UN Human Rights (2.34M followers)

@UNHumanRights

The United Nations #HumanRights office is led by High Commissioner @MBachelet. Follow us on FB & IG at \*unitednationshumanrights\*. #StandUp4HumanRights

Amnesty International (1.34M followers)

@amnesty

Freedom. Justice. Equality. Let's get to work.

Global Witness (58.2K followers)

@Global\_Witness

Exposing and challenging #corruption that drives environmental and #HumanRights abuses.  
 RT≠endorsement. Staff: <https://bit.ly/2URsiBX>

Anti-Slavery International (37K followers)

@Anti\_Slavery

Anti-Slavery International - world's oldest human rights organisation. Works to eradicate modern slavery in all its forms.

Physicians for Human Rights (19.9K followers)

@P4HR

Through evidence, change is possible. Follow our staff: <https://goo.gl/PrZYs4> Executive Director:  
 @DMcKayPHR

FIAN International (7,540 followers)

@FIANista

Intl #humanrights organization advocating for the #RightToFood. Standing up against undue & oppressive practices that prevent people from feeding themselves🔊

## Indigenous People; Native People; First Nations (8)

AMAZON WATCH (62.9K followers)

@AmazonWatch

Protecting the rainforest and the climate by advancing the rights of indigenous peoples in the Amazon Basin. Follow our staff: <http://bit.ly/2xsQzSU>

Survival International (42.5K followers)

@Survival

We are Survival International, the global movement for tribal peoples. We're fighting for their survival around the world.

IndigenousEnviroNet (41.5K followers)

@IENearth

IEN is a North American network of Indigenous Peoples fighting for environmental justice

Cultural Survival (22.5K followers)

@CSORG

Cultural Survival is a global leader in the fight to protect Indigenous lands, languages, and cultures around the world.

Chiefs of Ontario (21.6K followers)

@ChiefsofOntario

The Chiefs in Ontario, comprising the 133 First Nations in Ontario, is an advocacy forum and secretariat for collective decision-making, action...

UNPFII (14.5K followers)

@UN4Indigenous

The @UN Permanent Forum on #Indigenous Issues (UNPFII) @UNDESA deals with development, culture, environment, education health and human rights. #WeAreIndigenous

First Nations Drum (7,603 followers)

@1stNationsDrum

We are Canada's national Aboriginal newspaper, reaching out to communities all across the country.

NDN Collective (1,456 followers)

@ndncollective

Dedicated to building the collective power of Indigenous Peoples while fostering a world built on justice and equity for all people and the planet.

## Impact Investing; Socially Responsible Investing (8)

Echoing Green (441K followers)

@echoinggreen

Identifying tomorrow's transformational leaders today.

GIIN (33.8K followers)

@theGIIN

The Global Impact Investing Network is a nonprofit organization dedicated to increasing the scale and effectiveness of impact investing.

Calvert Impact Capital (25K followers)

@calvertimpcap

We make impact investable. Since 1995 we've mobilized more than \$2 billion for good. Join us! We're led by @JennPryce

ImpactAssets (12.5K followers)

@ImpactAssets

Connecting philanthropists and impact investors to investment opportunities that address the world's toughest challenges. #IA50 #donoradvisedfund #impinv

Collective Impact Forum (7,248 followers)

@CIForumTweets

The Collective Impact Forum - A resource for practitioners and funders who are using the collective impact approach to achieve large-scale systems change.

Wharton Social Impact (6,738 followers)

@WhartonSocial

Wharton Social Impact Initiative leverages @Wharton's strengths to foster business strategies for a better world.

US #Impinv Alliance (3,955 followers)

@ImpactInvestUS

U.S. Impact Investing Alliance: Catalyzing capital flows to & advocating for the field of #impinv. #ESG #socent #OpportunityZones <http://ozframework.org>

First Affirmative (1,996 followers)

@first\_affirm

We are specialists in Sustainable, Responsible, Impact (#SRI) Investing, offering investments via our national network of advisors. #BCorp

## International Financial Institutions (8)

World Bank (3.03M followers)

@WorldBank

The official World Bank Twitter feed. The World Bank's mission is to end extreme poverty and promote shared prosperity.

IMF (1.4M followers)

@IMFNews

Breaking news and alerts from the International Monetary Fund.

African Development Bank Group (273K followers)

@AfDB\_Group

The African Development Bank Group works to reduce poverty and improve living conditions on the continent. RTs ≠ endorsements.

Asian Development Bank (207K followers)

@ADB\_HQ

ADB is committed to achieving a prosperous, inclusive, resilient and sustainable Asia & the Pacific, while sustaining its efforts to eradicate extreme poverty.

Inter-American Development Bank (46.3K followers)

@the\_IDB

At the Inter-American Development Bank we work to improve lives in Latin America and the Caribbean.

European Investment Bank (34.5K followers)

@EIB

As the EU bank, we provide finance and expertise for sustainable investment projects that make a strong impact on people's lives in Europe and beyond.

IsDB Group (11.8K followers)

@isdb\_group

The Islamic Development Bank #IsDB is an MDB that promotes comprehensive development in its 57 member states & among #Muslim communities in non-member countries

NIB (1,201 followers)

@nib

The Nordic Investment Bank (NIB) is an international financial institution of the Nordic and Baltic countries

## Journalism, News Sources (28)

Vox (837K followers)

@voxdotcom

Understand the news. Sign up for our daily Vox Sentences newsletter: <http://bit.ly/vox-newsletters>

Mother Jones (779K followers)

@MotherJones

Investigative journalism, politics, chart-tastic, sometimes sarcastic. Voted Magazine of the Year, 2017, by the National Association of Magazine Editors.

ProPublica (791K followers)

@propublica

Pursuing stories with moral force. Send us things: <http://propub.li/2hoDS2G> . Newsletter: <https://propub.li/2LdoRh6> . Also follow @ProPublicaLL. We're there, too.

Guardian Environment (456K followers)

@guardianeco

News and comment on the world's most important environmental stories

Nieman Lab (292K followers)

@NiemanLab

We are the Nieman Journalism Lab, part of @niemanfdn at Harvard. We're trying to figure out the future of news.

grist (227K followers)

@grist

A nonprofit news org for people who want a planet that doesn't burn and a future that doesn't suck.

EcoWatch (188K followers)

@EcoWatch

EcoWatch is the nation's leading environmental news site. We are leading the charge in using online news to drive fundamental change.

Doing Things Differently (176K followers)

@dtdchange

Your trusted source for insight and solutions for achieving change towards a more environmentally responsible, diverse and socially just world

Help a Reporter Out (120K followers)

@helpareporter

A Source for Every Story. Connecting journalists w/ sources since 2008. 35k+ journalists & 475k+ sources. Used by top media. Tweeted queries=same-day deadlines.

Yale Environment 360 (113K followers)

@YaleE360

An online magazine offering reporting, analysis, and opinion on global environmental issues. Published at the Yale School of Forestry & Environmental Studies.

Civil Eats (99.2K followers)

@CivilEats

Daily news about the U.S. food system. James Beard Publication of the Year. Support independent media: <https://civileats.com/donate/> <http://civileats.com/subscribe/>

Mongabay (98.9K followers)

@mongabay

We're an award-winning, 20-year old nonprofit media outlet providing daily news & inspiration from nature's frontline in 9 languages via 4 international bureaus

NYT Climate (71.4K followers)

@nytclimate

The New York Times newsroom team covering climate & the environment. Tweets by @jswatz & team. Photo by @joshhaner. Get our newsletter: <http://nyti.ms/2qUaG5m>

Guardian Cities (67K followers)

@guardiancities

Stories, news, analysis and debate on the future of cities and urban life all over the world, from the @Guardian

YES! Magazine (59.8K followers)

@yesmagazine

Award-winning national media organization reframing the biggest problems of our time in terms of their solutions since 1996. Nonprofit, reader-supported.

IFJ (32.6K followers)

@IFJGlobal

The IFJ is the global voice of journalists. It represents 600,000 journalists (187 affiliate) in 146 countries. IFJ General Secretary : @abellanger49

SEJ.ORG (21K followers)

@sejorg

Society of Environmental Journalists strengthens quality, reach & viability of environmental coverage. RTs ≠ Endorsements. Trolls will be muted.

Solutions Journalism Network (19.4K followers)

@soljourno

Our mission is to spread the practice of solutions journalism: rigorous reporting about how people are responding to social problems.

EFJ (18K followers)

@EFJEUROPE

#Europe's largest organisation of journalists with 70 unions/associations representing over 320,000 journalists in 44 countries. RTs ≠ endorsement

Global Editors Network (15.9K followers)

@GENinnovate

GEN is committed to media innovation & sustainable journalism • #GENsummit 2019 Athens 13-15/6 • #EditorsLab—#DataJournalismAwards— #GENMediaLit

The OpEd Project (13.8K followers)

@TheOpEdProject

Changing who writes history. Diverse journalists & thought leaders. Agitators & celebrators. #WriteToChangeTheWorld workshops & #PublicVoices fellowships.

JLab (12.7K followers)

@JLab

A journalism catalyst, igniting news ideas that work. For related tweets see @janjlab.

Impakter (10.7K followers)

@impakterdotcom

"Shape Your Future with Impakter" - Global platform that empowers sustainability. Articles by Global Leaders and Impakter columnist. #SDGs Advocate

Report for America (4,914 followers)

@report4america

Calling on a new generation of journalists to serve in local news organizations with 61 corps members in newsrooms this year. An initiative of @GroundTruth.

IPS Environment (2,901 followers)

@ipsenvironment

Latest global news covering environment, biodiversity, green economy, climate change and more.

Nat'l Newspaper Assn (2,026 followers)

@nnaonline

The mission of the National Newspaper Association is to protect, promote and enhance America's community newspapers.



NGO Advisor (1,177 followers)

@ngoadvisor

Independent media committed to highlighting the innovation, impact, and governance of the nonprofit sector - read our #Top500NGOs

## Land Rights (10)

Global Justice Now (39K followers)

@GlobalJusticeUK

We campaign in solidarity with social movements to fight the causes of poverty and injustice

Landesa (11.1K followers)

@Landesa\_Global

Helping to ensure economically disempowered rural women and men have secure #landrights to improve their families' nutrition, security, education & livelihood.

Forest Peoples Programme (8,736 followers)

@ForestPeoplesP

Working with forest peoples globally to secure their rights | Focus on Africa, Asia, Central and South America

PLAAS (8,597 followers)

@PLAASuwc

Inst for Poverty, Land & Agrarian Studies – publications, media, events. Staff incl @ruthallPLAAS @abdutoit @ursulafarends @BabongileMalama @esulle46 @phfiphfi

Land Coalition (8,239 followers)

@landcoalition

We are a global alliance of CSOs and IGOs #United4LandRights | We want #land that is governed for and with people | We seek a just, equitable & inclusive world

RRI (7,901 followers)

@RightsResources

A global Coalition working to advance #LandRightsNow for Indigenous Peoples, local communities, & particularly women in these communities. RTs≠endorsements.

GRAIN (7,752 followers)

@Landesa\_Global @GRAIN\_org

GRAIN supports small farmers and social movements in their struggles for community-controlled and biodiversity-based food systems.

LandStewardshipProject (4,713 followers)

@LSPnow

Official Land Stewardship Project twitter. LSP is a family farm & sustainable agriculture membership organization working for people & the land.

ILC Asia (1,564 followers)

@ILCAsia

ILC Asia is an International Land Coalition's members platform in Asia, consists of 54 CSOs working on land, IPs, and pastorals in regional and nationa...

Landesa (360 followers)

@WomenAndLand

In many countries, women cannot own property - they ARE property. Landesa's Center for Women's Land Rights helps women & girls get their most important asset.

## Local Economies; Local Currency (32)

Local First Arizona (78.4K followers)

@LocalFirstAZ

We are here to strengthen local economies. We believe in championing diversity and inclusion. Largest local biz coalition in US. #LocalFirstAZLocalHarvest.org (26.4K followers)

@LocalHarvestorg

(Community Supported Agriculture--Find one near you)

Tweets about farmers, the food they grow, and the people who eat it.

NewEconomyCoalition (22.8K followers)

@NewEconomics

Fire the bosses, free the land, elect ourselves! A network of 200+ organizations building an economy that puts all people & the planet before profit.

Edible Schoolyard Project (18.8K followers)

@edibleschoolyrd

Bristol Pound (18.7K followers)

@BristolPound

The Bristol Pound is Bristol's local currency. It's money that stays in the city, supports local business and makes Bristol's economy fairer and stronger.

Post Growth Institute (14.1K followers)

@postgrowth

For a #postgrowth world focused on better, not bigger. Forthcoming book - <http://howonearth.us> . We organize: <http://freemoneyday.org> , <http://enrichlist.org>

Local First (Grand Rapids, MI) (12.7K followers)

@localfirst

Our mission is to lead the development of an economy grounded in local ownership.

Be A Localist (12.6K followers)

@bealocalist

The BALLE Network is building healthy, equitable local economies that work for all.

Food Policy Action (11.1K followers)

@FPAction

Promoting better food policies through education and advocacy

Brixton Pound (10.7K followers)

@brixtonpound

Reimagining urban communities with our pay-what-you-can surplus food cafe, Brixton Pound & friendly, radical space. Activities and rooms at special rates.

doityourself.com (9,720 followers)

@DoltYourselfcom

doityourself.com is the largest DIY & home improvement website. Read how-to articles, watch videos, ask questions, & share your projects with #diditmyself.

Ithaca FarmersMarket (7,243 followers)

@ithacamarket

We are a cooperative vendor-run market with more than 100 members, who grow or make their wares within 30 miles of Ithaca. Visit us at our pavilion- 545 3rd St.

Grassroots Intl (6,403 followers)

@GrassrootsIntl

#Land, #water, & #food are #humanrights. Supporting frontline struggles for #foodsovereignty & #climatejustice.

ILSR (6,345 followers)

@ilsr

The Institute for Local Self-Reliance: Building Local Power since 1974 Contact @hibbameraay (hmeraay@ilsr.org) for media inquiries.

Ctr fr Rural Affairs (5,737 followers)

@cfra

We work to strengthen rural communities, small businesses and family farms. Sign up for our newsletter: <http://goo.gl/tG5ITU>

Homesteader Supply (3,300 followers)

@HomesteadSupply

We're real folks behind your source for #selfsufficient living. Homestead, garden, livestock, dairy, cheese making, fermentation and more. Tips, recipes & blog.

Clean Coalition (3,113 followers)

@Clean\_Coalition

Accelerating the transition to #renewableenergy and a modern grid through technical, policy, and project development expertise.

TLC Monadnock (2,833 followers)

@MonadnockLocal Follows you

We leverage the power of crowdfunding to cultivate a stronger ecosystem of investors, service providers and local economy champions.

Schumacher Center (2,626 followers)

@Center4NewEcon

Nonprofit new economics think-and-do tank founded in 1980. Local Currency | Community Land Trusts | The Commons | Community Supported Agriculture/ Industry

Lehmans (2,492 followers)

@Lehmans

(many non-electric items for homesteading and self-reliance off the grid)

Lehman's is here to help you live a simpler life. Located in Kidron, Ohio, we're your portal to the past.

US Food Sovereignty (1,614 followers)

@foodsovusa

The US Food Sovereignty Alliance (USFSA) works to end poverty, rebuild local food economies, and assert democratic control over the food system.

Local First Arkansas (1,551 followers)

@LocalFirstAR

We are a group of local business owners, local enthusiasts, and the curious interested in sustaining and growing our local economy. #LocalFirstAR #LocalAR

Community Micro Lending (1,461 followers)

@VicMicroLending

Building a vibrant local economy, reducing poverty, fostering sustainable businesses, and empowering people by making micro loans to those in need.

OUR Ecovillage (1,338 followers)

@OUR\_Ecovillage

A 25 acre public demonstration site, O.U.R. aims to educate & showcase sustainable living, natural building, internships, food production, permaculture & more

Hatch Innovation (1,264 followers)

@HatchTheFuture

Enabling community innovation via #TheSocialPitch, #HTFPodcast, @HatchLabPDX, @HatchBaker , @HatchOregon and @ComCapCon

TimeBanks USA (1,203 followers)

@TimeBanksUSA

Mission: to nurture and expand a movement that promotes equality and builds caring community economies through inclusive exchange of time & talent. #TimeBanking

CommunityPowerAgency (1,136 followers)

@CommunityPowerA

The Community Power Agency supports community groups to set up renewable energy projects.

Grounded Solutions (989 followers)

@GroundedNetwork

Our mission is to cultivate communities that are equitable, inclusive, and rich in opportunity, by advancing housing solutions that last for generations.

BerkShares, Inc. (816 followers)

@BerkShares

Local Currency for Berkshire County, MA, celebrating local heroes, local artists, and locally owned businesses

Cooperative Fund NE (683 followers)

@CoopfundNE

Cooperative Fund of New England is a revolving loan fund serving co-ops, democratic worker-owned businesses & community organizations. <https://www.facebook.com/pages/Cooperative-Fund-of-New-England/215793893050> ...

Sustainable Berea (506 followers)

@SustainBerea

VISION: A vibrant, self-reliant city known for its strong local economy, regional food system, minimal use of fossil fuels, and engaged, skilled citizenry.

Community Solutions (346 followers)

@TheCommunitySol

(Founder: Arthur Morgan, author of "The Small Community--Foundation of Democratic Life")

Supporting cooperative living since 1940. Focuses: Resilient Communities, Regenerative Agriculture, Energy Democracy, Community Economics & Being the Change.

## Peacebuilding (29)

Rotary International (328K followers)

@Rotary

[Rotary International has 35,000 Clubs worldwide, with 1.2M members worldwide. For a list of the 507 clubs with Twitter accounts, see <https://twitter.com/Rotary/lists/rotary-clubs/members> ]

[Rotary Peace Fellowships: Each year, Rotary awards up to 100 fully funded fellowships for dedicated leaders from around the world to study at one of our peace centers (<https://www.rotary.org/en/our-programs/peace-fellowships> ).]

Rotary unites more than a million great minds around a shared purpose. And together, there's no limit to the good we can do.

Carnegie Endowment (for International Peace) (225K followers)

@CarnegieEndow

The Global Think Tank: Beijing. Beirut. Brussels. Moscow. New Delhi. Washington. Sign up for our weekly newsletter: <http://carnegieendowment.org/ctw>

U.S. Institute of Peace (109K followers)

@USIP

Created by Congress, the independent U.S. Institute of Peace works to prevent, mitigate and resolve violent conflict around the world.

Intl Peace Institute (31.3K followers)

@ipinst

The International Peace Institute is a think tank dedicated to managing risk and building resilience to promote peace, security, and sustainable development.

Search4CommonGround (18.4K followers)

@SFCG\_

We are the world's largest dedicated peacebuilding NGO, working to build safe, healthy, and just societies worldwide.

Peace Direct (15.9K followers)

@peacedirect

Stopping wars, one person at a time.

International Alert (15.9K followers)

@intalert

Independent #peacebuilding charity that has worked for 30 years to lay the foundations for lasting #peace in communities affected by violent conflict.

PCDN (Peace and Collaborative Development Network) (14.7K followers)

@pcdnetwork

Changing the world while making a living. At PCDN we tell you how. If you are passionate about changing the world we are passionate about helping you.

AllforPeacebuilding (14.4K followers)

@AfPeacebuilding

The Alliance for Peacebuilding is the leading global network working to end conflict and build sustainable peace worldwide.

Peace Insight (13.5K followers)

@insightconflict

Peace Insight provides information on how local people are working to resolve some of the longest and bloodiest conflicts around the world.

Conciliation Resources (13.4K followers)

@CRbuildpeace

Conciliation Resources is an international organisation committed to stopping violent conflict and creating more peaceful societies. #peacebuilding

Interpeace (11.8K followers)

@InterpeaceTweet

International Organization for Peacebuilding. Official account.

Quakers in Britain (10.5K followers)

@BritishQuakers

Radical faith community grounded in stillness. We believe in working together – across borders and beliefs – to create a more just, equal and peaceful world

Global Observatory (9,438 followers)

@ipinstGO

Produced by the International Peace Institute (@ipinst), the Global Observatory provides timely analysis on trends and issues related to global security.



DME for Peace (6,324 followers)

@dmeforpeace

An online community to provide support, tools, and community for peace and development professionals around the world. A project of @SFCG\_.

Conflict Analysis and Resolution (5,766 followers)

@SCARatGMU

The School for Conflict Analysis and Resolution at George Mason University

Sister Cities Int'l (4,826 followers)

@SisterCitiesInt

Connect globally. Thrive locally.

PeacebuildingJournal (4,600 followers)

@Peacebuilding\_

A critical journal by @rogermacginty & Oliver Richmond. Associate Editor @yannistellidis; Assistant Editor @birtevogel\_; Review Ed. @stefanie201284

Peacemakers Trust (3,687 followers)

@peacemakers\_ca

Resources/news about conflict transformation posted by Peacemakers Trust volunteers.

[https://www.facebook.com/PeacemakersTrust ...](https://www.facebook.com/PeacemakersTrust)

EPLO (3,414 followers)

@EPLO\_

EPLO is the platform of 39 European NGOs, networks of NGOs and think tanks which are committed to #peacebuilding and prevention of violent #conflict.

Kroc IPJ (3,038 followers)

@KrocIPJ

The Kroc Institute for Peace and Justice (IPJ) @krocschool @UofSanDiego works with peacemakers to develop powerful new approaches to end cycles of violence.

WANEP (3,000 followers)

@WANEP\_Regional

West Africa Network for Peacebuilding (WANEP) is a leading Regional Peacebuilding Organization in West-Africa – focus on conflict prevention & peacebuilding

Promoting Enduring Peace (2,622 followers)

@PEPeace

also <http://pepeace.org> .

peace\_builders (2,398 followers)

@peace\_builders

Global Peacebuilders is an international network of conflict resolution, conflict transformation and peacebuilding initiatives.

Peace Education (1,949 followers)

@PeaceEduQuaker

News + comment from the @BritishQuakers Peace Education team: learning about conflict, nonviolence, Human Rights ☺ <https://www.facebook.com/faithinactionquaker/> ...

Kroc School (1,848 followers)

@krocschool

The Kroc School of Peace Studies is the global hub for peacebuilding & social innovation. Graduates have the courage to lead change locally & internationally.

The Center for Justice and Peacebuilding (at Eastern Mennonite University) (1,422 followers)

@CJP\_EMU

[CJP's Summer Peacebuilding Institute runs in May and June every year, offering over 20 short-term, intensive courses for training or academic credit.]

The Center for Justice and Peacebuilding (CJP) educates a global community of peacebuilders through the integration of practice, theory, and research.

SDG16Data Initiative (1,089 followers)

@SDG16Data

A collective project seeking to support the open tracking of the global commitments made by 193 countries on peace, justice, and strong institutions.

BeyondIntractability (737 followers)

@BeyondIntract

A huge online knowledge base focused on better ways of addressing difficult conflicts w/ 5000+ pages of original content created by 400+ contributors.

## Philanthropy (25)

The Chronicle of Philanthropy (210K followers)

@Philanthropy

News, resources, advice, and commentary about the nonprofit world from The Chronicle of Philanthropy.

The Rockefeller Foundation (179K followers)

@RockefellerFdn

Our mission—unchanged since 1913—is to promote the well-being of humanity throughout the world.

David Suzuki FDN (154K followers)

@DavidSuzukiFDN

The David Suzuki Foundation is dedicated to protecting the diversity of nature and inspiring Canadians to act with nature in mind.

MacArthur Foundation (146K followers)

@macfound

We support creative people, effective institutions, and influential networks building a more just, verdant, and peaceful world. 🌳🌸☺

Bloomberg Philanthropies (98.1K followers)

@BloombergDotOrg

Bloomberg Philanthropies works primarily to advance five areas globally: the Arts, Education, the Environment, Government Innovation and Public Health.

Council on Foundations (58.1K followers)

@COF\_

The Council provides the leadership & tools needed by philanthropic organizations to expand, enhance & sustain their ability to advance the common good.

Global Philanthropy (27.3K followers)

@GlobalPhilGrp

We advise the world's leading philanthropists.

Inside Philanthropy (13.1K followers)

@InsidePhilanthr

Media site digging every day to get the inside scoop on foundations and major donors.

Global Innovation Fund (10.6K followers)

@GlobalInnovFund

The Global Innovation Fund invests in social innovations that aim to improve the lives and opportunities of millions of people in the developing world.

Tides (10.5K followers)

@TidesCommunity

A philanthropic partner & nonprofit accelerator committed to shared prosperity and social justice. 41 years of global impact. (RTs ≠ endorsement)

Alliance magazine (8,854 followers)

@Alliancemag

The only philanthropy magazine with a truly global focus.

SDG Philanthropy (8,809 followers)

@PhilSDGs

The SDG Philanthropy Platform enables strong #partnerships between #philanthropy, UN, govts, civil society, business, & social enterprises in achieving #SDGs

GPF (7,106 followers)

@gpforg

Global Philanthropy Forum is a community of donors & social investors committed to international causes.

GPF (7,106 followers)

@gpforg

Global Philanthropy Forum is a community of donors & social investors committed to international causes.

Tides Canada (6,779 followers)

@TidesCanada

Uncommon solutions. Common good. Dedicated to a healthy environment, social equity, and economic prosperity for all Canadians. Photo: @together\_hello #TCProject

Global Greengrants (4,590 followers)

@GreengrantsFund

Global Greengrants Fund mobilizes resources for communities worldwide to protect our shared planet and work toward a more equitable world.

Oak Foundation (4,412 followers)

@oakfnd

We commit our resources to address issues of global, social & environmental concern, particularly those that have an impact on the lives of the disadvantaged

Thousand Currents (4,379 followers)

@1000currents

Visionary leaders in the Global South are creating lasting solutions to our world's most pressing challenges. We connect you to them!

RockBrosFund (3,967 followers)

@RockBrosFund

The Rockefeller Brothers Fund advances social change that contributes to a more just, sustainable, and peaceful world.

PhilanthropyWorkshop (3,640 followers)

@TPWGiveBetter

We educate, transform, & inspire a network of effective #philanthropists across the globe as a means to a more just, sustainable, & fulfilling world.

Donor Platform (3,628 followers)

@donorplatform

Network of 40 bilateral donors, multilateral agencies & international financing institutions striving to reduce poverty & achieve sustainable rural development.

Small Grants Program (2,065 followers)

@GEF\_SGP

The Small Grants Programme (SGP) is implemented by UNDP & funded by the Global Environment Facility. SGP supports innovative sustainable development...

Muslim Philanthropy (2,031 followers)

@MuslimGiving

World Congress of Muslim Philanthropists is a global network of donors, foundations, and corporations established to advance effective and accountable giving.

Environmental Grantmakers Association (1,202 followers)

@EGAconnects

EGA, with members and partners, promotes effective environmental philanthropy by sharing knowledge, fostering debate, cultivating leadership & catalyzing action

Lush Spring Prize (611)

@lushspringprize

The Lush Spring Prize aims to support the movement for environmental and social regeneration, around the world.

## Publishers, Sustainability (4)

chelseagreen (21.3K followers)

@chelseagreen

Book publisher focused on the politics and practice of sustainable living. Employee-owned since 2012.

RoutledgeSust (2,635 followers)

@RoutledgeSust

Leading global publisher in the field of environment & sustainability, offering a broad array of books for academic, professional and general readers.

NewSocietyPublishers (2,143 followers)

@NewSocietyPub

Tools for a world of change books to build a new society. New Society Publishers: leaders in environmental and activist book publishing. [EJ@newsociety.com](mailto:EJ@newsociety.com)

Green Books (1,990 followers)

@Green\_Books

Independent environmental publisher for over 25 years. #environment #greenbooks #gardening #ecobuild #sustainability #ecophilosophy #MBS

## Questionnaires and Surveys (6)

Pew Research Global (60.2K followers)

@pewglobal

Nonpartisan, non-advocacy @pewresearch data about global attitudes and trends shaping the world.

Gallup (34.1K followers)

@Gallup

Since 1935, providing analytics and advice to help leaders and organizations solve their most pressing problems.

RTI International (11.7K followers)

@RTI\_Intl

Official Twitter account for RTI International- one of the world's leading research institutes dedicated to improving the human condition. Tweets ≠ Endorsement.

AAPOR (4,894 followers)

@AAPOR

American Association for Public Opinion Research (#AAPOR) The leading association of public opinion and survey research professionals in the United States

U-M ISR (4,377 followers)

@umisr

The University of Michigan Institute for Social Research is the world's largest academic social science survey and research organization.

Amy Mitchell (3,247 followers)

@asmitch

Director, Journalism Research @PewResearch Center; Director @pewjournalism. research design & methods, writer, editor, speaker, manager, #futureofnews

## Religious; Spiritual; Interfaith (19)

Catholic News Service (175K followers)

@CatholicNewsSvc

Catholic News Service is a leader in religious news. Our mission is to report fully, fairly and freely on the involvement of the church in the world today.

Religion News Service (81.4K followers)

@RNS

Independent, nonprofit and award-winning reporting on religion, culture and ethics around the world.

The On Being Project (78.6K followers)

@onbeing

Deep thinking & social courage, moral imagination & joy, to renew inner life, outer life, and life together. Created/led by @KristaTippett. Tweets by team.

ISNA (30.8K followers)

@ISNAHQ

ISNA's Education Forums focus on nurturing the next generation of Muslim leaders, both academically and spiritually. REGISTER NOW: <http://bit.ly/2Co8BGL>.

UM News Service (26.6K followers)

@UMNS

Official news service of The United Methodist Church. Retweets are not endorsements but sharing of news that might be of interest.

World Council of Churches (WCC) (26.1K followers)

@Oikoumene

#WorldCouncilofChurches #WCC: A worldwide fellowship of churches seeking unity in common witness & Christian service. Follow also @OlavTveit and @wccpilgrimage

The Episcopal Church (18.4K followers)

@episcopalchurch

Featuring announcements, news and information from Public Affairs Office. In concert with @iamepiscopalian we tweet for The Episcopal Church.



InterfaithYouthCore (12.2K followers)

@ifyc

IFYC equips students, educators, and whole institutions with the vision, knowledge, and skills to advance interfaith cooperation on campus and far beyond.

The Parliament (7,111 followers)

@InterfaithWorld

Parliament of World's Religions cultivates harmony among global religious + spiritual communities to build a more just, peaceful + sustainable world.

Religions for Peace (6,284 followers)

@religions4peace

The largest, most representative multi-religious coalition advancing concrete action to stop war, eliminate extreme poverty & protect the earth.

PC(USA) News (4,203 followers)

@PresbyNews

In-depth news and features from the Presbyterian Church (U.S.A.) and beyond. Follow us as we share what God continues to do in our churches and the world!

IPL (Interfaith Power and Light) (4,173 followers)

@interfaithpower

We are mobilizing a religious response to global warming. <http://www.interfaithpowerandlight.org>

Churches on Internat'l Affairs (WCC-CCIA) (3,410 followers)

@WCC\_IA

The Commission of the Churches on International Affairs advises the World Council of Churches (@oikoumene) and provides a joint advocacy platform to WCC members

Cdn Council Churches (3,240 followers)

@CCC\_CCE

The Canadian Council of Churches is the largest ecumenical body in Canada, representing 26 member churches. In 2019, we're marking #75YearsTogether! Join us!

URI Global (2,715 followers)

@uriglobal

The United Religions Initiative is a global grassroots interfaith network that engages people to bridge religious differences.

Conf of European Churches (2,576 followers)

@ceceurope

The Conference of European Churches (CEC) is a fellowship of 114 Orthodox, Protestant, Anglican churches from across Europe.

Buddhism Today (2,241 followers)

@newsbuddhism

What's happening with Buddhism around the world? Buddhism news and headlines updated 24/7. Get Buddhism news and connect with other Buddhist tweeters here.

EIAB (1,983 followers)

@eiab

European Institute of Applied Buddhism, founded by Thich Nhat Hanh and the Plum Village international community

Cadbury Centre UoB (1,033 followers)

@CadburyCentre

The Edward Cadbury Centre for the Public Understanding of Religion @ptrbirmingham @unibirmingham #religion #society #publicpolicy (RT not always endorsement)

## Stakeholder Engagement (17)

Global Citizen (376K followers)

@GlbICtzn

Global Citizen is a movement of engaged citizens who are using their collective voice to end extreme poverty by 2030.

United Cities (27.9K followers)

@uclg\_org

United Cities and Local Governments is the global network representing the interests of #LocalGov & regions on the world stage #localizingSDGs ...

CIVICUS (17.5K followers)

@CIVICUSalliance

Global alliance of civil society organisations & activists working to strengthen citizen action & civil society IG: @civicusalliance Secretary General @lysajohn

Community Roundtable (13.7K followers)

@TheCR

We collaborate with global community leaders to implement proven, research-backed strategies for community success. Home to #TheCRNetwork & #TheCRLibrary.

CitizenLab (11.5K followers)

@citizenlabco

We help governments connect with their community of citizens in order to make better informed decisions. Learn more: <http://citizenlab.co> .

Global Taskforce (8,531 followers)

@GlobalTaskforce

Global Taskforce of Local and Regional Governments. #LocalGov networks working together to achieve the #SDGs, the #ParisAgreement and the #NewUrbanAgenda

U.S. PIRG (8,312 followers)

@uspirg

U.S. PIRG, the United States Public Interest Research Group, is a state-based, citizen-funded advocacy group that promotes the public interest.

Mobilisation Lab (7,689 followers)

@MobilisationLab

We equip social change campaigners around the world with the strategies, tools, tactics, and partners needed to win in the digital, people powered era

involve (5,266 followers)

@involveUK

Public participation charity, on a mission to put people at the heart of decision-making. We bring citizens & decision-makers together to solve challenges.

PYXERAGlobal (4,890 followers)

@PYXERAGlobal

We build partnerships between the public, private, and social sector to solve complex global challenges.

PLATFORMA (4,166 followers)

@Platforma4Dev

Town-to-town & region-to-region development cooperation. Same problems, similar solutions! #EDD18  
| #PLATFORMAwards | #localsolidaritydays | #CONNECT4dev

GOLD (2,539 followers)

@GoldUCLG

@UCLG\_org's (United Cities and Local Governments) Global Observatory on Local Democracy and Decentralization | Researching and advocating for sub-national governments across the world

UCLG Learning (2,203 followers)

@UCLGLearning

(United Cities and Local Governments)

We foster the exchange of voices & #knowledge between local and regional governments to transform their #capacities in urban policy & enhance decentralized coop

Stakeholder Forum (2,172 followers)

@stakeholders

International organisation working to advance sustainable development and promote stakeholder engagement at a global level.

IAP2 USA (2,083 followers)

@IAP2USA

Preeminent international organization advancing the practice of #publicparticipation in the U.S.

UCLG Regions (807 followers)

@ForumOfRegions

The @uclg\_org (United Cities and Local Governments) Forum of Regions that represents the important role of #RegionalGov in the world.

DELANEY & ASSOCIATES (798 followers)

@DELANEYinc

We help organizations engage stakeholders and the public. We facilitate and improve collaboration for better decision-making.

## Sustainable Communities; Ecovillages; Permaculture (46)

Family Planning 2020 (54.6K followers)

@FP2020Global

FP2020 is a global partnership working to reach 120 million more women & girls with access to voluntary family planning information, services & supplies by 2020  
Permaculture Mag (35.5K followers)

@PermacultureMag

Permaculture - practical solutions beyond sustainability. International , green & visionary. Available quarterly by post, digital App & online daily.


Shareable (29.7K followers)

@Shareable

Shareable is a nonprofit media outlet and action network that empowers people to share for a more resilient, equitable, and joyful world.

Solar Sister (25.1K followers)

@Solar\_Sister

Light. Hope. Opportunity. The power of women's enterprise to distribute clean energy in rural Africa.  
GIVE TODAY  <https://bit.ly/2DR68Wn>

HOMER Energy (13.1K followers)

@HOMEREnergy

We develop the world's leading #microgrid software to create #renewableenergy solutions. Get microgrid news at <https://ww2.homerenergy.com/mgn>

Off The Grid News (12.2K followers)

@offgridnews

Better Ideas For Off The Grid Living. Self-Sufficiency. Organic Gardening. How-To. Survival. Natural Foods. Natural Health. Alternative Energy. Self-Defense.

Clean Cooking Alliance (12.1K followers)

@cleancooking

Working with a global network of partners to make clean cooking accessible to the three billion people who live each day without it.

The Gaia Foundation (11.8K followers)

@GaiaFoundation

Upholding indigenous wisdom and Earth-centred perspectives for over 30 years. Working for seed, food, land and water sovereignty. Also @wefeedtheworld\_

Power for All (10.3K followers)

@Power4All2025

A coalition of 250+ organizations campaigning to ensure that everyone on the planet has reliable electricity before 2030. Join us! #EndEnergyPovertyFaster #SDG7

Microgrid Media (8,821 followers)

@MicrogridMedia

Covering the transition to a clean, distributed, resilient energy system. Mapping innovative projects @microgridmap

Lighting Africa (8,772 followers)

@lightingafrica

World Bank Group initiative helping the private sector develop, grow, and sustain the market for clean, affordable off-grid lighting technologies in Africa

Permaculture Assoc. (7,698 followers)

@Permaculture\_uk

Permaculture Association. Empowering people to design thriving communities across Britain, and contribute worldwide. Learning, networking, events.

d.light design (7,583 followers)

@dlightdesign

d.light is a global social enterprise delivering affordable solar home and power solutions to those in the developing world without reliable energy

CEM Secretariat (7,096 followers)

@CEMSecretariat

Twitter account of the Clean Energy Ministerial, a unique partnership of 26 key members working together to accelerate the global #energy transition.

FarmersMkt Coalition (7,038 followers)

@FMCorg

Strengthening farmers markets for the benefit of farmers, consumers, and communities. Join us!

<https://farmersmarketcoalition.org/joinus/membership/> ...

Geoff Lawton (6,514 followers)

@geofflawton\_

#permaculture education and demonstration, research, design, implementation, establishment, administration, and community development.

ZOLA Electric (5,457 followers)

@ZOLAElectric

ZOLA Electric delivers clean, affordable, reliable solar + smart storage solutions - the future of

#energyaccess in Africa ↗

Energy Storage North America (5,080 followers)

@EnergyStorageNA

The leading #energystorage community and #event. #ESNA2019 brings together the entire #storage ecosystem for 3 days of education and inspiration!

PRI Australia (4,397 followers)

@PRIaustralia

PRI Australia is located on a demonstration site in NSW, and headed by Geoff & Nadia Lawton. We provide education and daily Permaculture news and info.

National CLT Network (4,216 followers)

@community\_land

Campaigning for community land trusts in England and Wales. #communityledhousing =

#hopeforhousing

One Planet Living (4,210 followers)

@OnePlanetLiving

@Bioregional's vision of a world in which we are living happy, healthy lives, within the natural limits of the planet.

Mini-Grids Partnership (3,995 followers)

@MiniGrids

The Mini-Grids Partnership works to accelerate the development of mini-grids and contribution to achieving Sustainable Energy for All. <http://bit.ly/2v1rlxv>

The ADE (3,890 followers)

@theADEuk

The Association for Decentralised Energy is the leading advocate of an integrated approach to delivering energy locally, designed around the needs of the user.

Gaia Education (3,714 followers)

@GaiaEducation

Leading provider of #Sustainability education that promotes thriving communities within planetary boundaries. Upcoming <http://bit.ly/gaiaedu-upcoming> ... CEO @may\_east

GlobalVillageLabNet (3,387 followers)

@VillageLabNet

#Regenerative #Communities, #ecovillages incubator. The Neo Tribes! Our strength is Regenerative design, economic and culture innovation. Community!

Greenlight Planet (3,414 followers)

@GLP\_SunKing

Delivering affordable, honest energy to the world's two billion under-electrified consumers. Makers of the award winning #SunKing solar lights!

Scaling Off-Grid Energy (3,188 followers)

@ScalingOffGrid

Scaling Off-Grid Energy Grand Challenge for Development @USAID @GlobalDevLab @DFID\_UK @ShellFoundation @PowerAfricaUS @AFDB\_Group ✉: <http://bit.do/ScalingOffGrid>

Global LEAP (2,733 followers)

@LEAP\_Awards

Global Lighting and Energy Access Partnership | Supporting commercial markets for clean energy access | @CEMSecretariat initiative



Global Ecovillage Network (2,363 followers)

@GEN\_Ecovillages

The Global Ecovillage Network (GEN) is a growing network of sustainable communities and initiatives that bridge different cultures, countries, and continents.

Small Town Homestead (2,354 followers)

@sthomestead

A #homesteading family encouraging & teaching others to homestead. Host of the Modern Homesteading #Podcast.

MicrogridNews (2,182 followers)

@MicrogridNews

Microgrid Knowledge is the leading news source for the microgrid industry. We're focused on advancing the adoption of microgrids.

Lowimpact.org (LILI) (1,744 followers)

@LowimpactOrg

Let's build a sustainable, non-corporate system. Visit our website for things that you can do.

Solar Cookers Int'l (1,684 followers)

@solarcookersint

Solar Cookers International promotes solar thermal technology for cooking and water pasteurization to benefit people and the environment.

Village Earth (1,614 followers)

@VillageEarthOrg

Village Earth provides training, consulting, and other support services to the development community.

ECOLISE (1,369 followers)

@Ecolise

European network for community-led initiatives on #ClimateChange & #Sustainability. #Permaculture #Transition #Ecovillage #Resilience #communityenergy @EDaySC

Backup Power Source (1,367 followers)

@BPS\_Inc

Complete #EnergyStorage systems for home, business, utility, etc! BPS systems integrate with the grid, generators, #solar PV, #wind or hydro #energy

Futurepump (1,299 followers)

@futurepump

Low-cost #solar irrigation pumps for the world's 500 million one acre farmers. #agriculture #lowcarbon #innovation contact us via our website

MicrogridMap (1,202 followers)

@MicrogridMap

Mapping innovative microgrid projects and the companies that make them possible. From @microgridmedia and partners.

CommunityPowerAgency (1,137 followers)

@CommunityPowerA

The Community Power Agency supports community groups to set up renewable energy projects.

Microgrid Institute (952 followers)

@microgridinst

A collaborative think tank studying key issues affecting the development of microgrids and distributed energy resources around the world.

Decentralised Energy Canada, DEC (882 followers)

@DEassociation

Decentralised Energy Canada - Canada's industry association for Decentralised Energy (#DE) - onsite power production, consumption & distribution.

One Planet Council (683 followers)

@OnePlanetC

The One Planet Council is an independent voluntary body advocating One Planet Development, a Welsh Government policy to support land based ecological development

Foundation for Intentional Community (643 followers)

@iCdotOrg

We support the development of intentional communities as pathways towards a more sustainable and just world. Check out our map of 1000+ intentional communities!

[Note: the map, at <https://www.ic.org/directory/>, has mousable identification flags, which show a pop-up window containing a link to extensive information about that community (Ex: clicking on The Farm in

Summertown, Tennessee <https://www.ic.org/directory/the-farm/> —or Findhorn Ecovillage

<https://www.ic.org/directory/findhorn-foundation-and-community/> brings up a community description, a website link, contact information, and detailed information about government, economics, housing, lifestyle, membership, and sustainability practices. )]

Nazava Water Filters (565 followers)

@NazavaWater

Household Water Filter Company focusing on the Base of the Pyramid

QED Energy (Canberra, Australia) (226 followers)

@EnergyQED

Renewable energy consultancy specialising in the human, social & community elements of the transition to zero emissions #renewables #sustainability

[QED renewable energy consultancy:

STAKEHOLDER CONSULTATION--From large-scale wind & solar projects to smaller residential microgrids, we help you to understand the local community, uncovering pathways & developing solutions that deliver positive outcomes.

CONSUMER RESEARCH--Bringing insights from well-designed focus groups, surveys and deliberative workshops, we assist you to have more meaningful conversations with your target audience, consumers and clients.

COMMUNITY ENGAGEMENT--Working in partnership with community we identify tangible and lasting legacies that your project can deliver to strengthen local communities and build enduring 'social licence' outcomes.]

DGridEnergy (82 followers)

@DgridenergyC

DGridEnergy, the maker of the Solar Cool Cube, a modular, expandable solar powered walk-in refrigeration unit that solves cold chain issues throughout the world

## Sustainable Food Systems (30)

Food Tank (210K followers)

@foodtank

Let's build a better food system!

Food Democracy Now! (97K followers)

@food\_democracy

Dave Murphy, Founder & Executive Director of Food Democracy Now! - Creating a sustainable future through positive food and farm policies.

CGIAR (90.4K followers)

@CGIAR

CGIAR is the largest global agricultural innovation network. World-class science for #SDGs and a world free of poverty, hunger and environmental degradation

IFPRI (89.2K followers)

@IFPRI

The International Food Policy Research Institute seeks sustainable solutions for ending hunger and poverty.

Special Note on  
The Global Forum on Food Security and Nutrition  
(not on the Twitter Platform)

The Global Forum on Food Security and Nutrition is affiliated with the FAO (Food and Agriculture Organization of the United Nations)--which was listed above in the "Alleviating Water Issues; Alleviating Hunger; Alleviating Poverty" section.

"The Global Forum on Food Security and Nutrition (FSN Forum) (at <http://www.fao.org/fsnforum/home> ) is an online platform for multi-stakeholder dialogue on food security and nutrition facilitated by FAO's Agricultural Development Economics Division (ESA). The FSN Forum allows registered members and other stakeholders to engage in policy dialogue and knowledge sharing on food security and nutrition both globally and in targeted geographic areas."

Farming First (55.2K followers)

@farmingfirst

Farming First is a global coalition calling on world leaders to increase agricultural output in a sustainable and socially responsible manner.

Slow Food (41.9K followers)

@SlowFoodHQ

A global movement for good, clean and fair food. Slow Food is an idea, a way of living and a way of eating. #FoodforChange

Roots of Change (27.7K followers)

@RootsofChange

We're inspiring a food revolution by fostering communication and collaboration among leaders in agriculture, business, community and politics.

NSAC (22.6K followers)

@sustainableag

National Sustainable Agriculture Coalition (NSAC) on federal food & farm policy. Working for family farms, the environment, healthy food, strong communities!

Food First (18.8K followers)

@foodfirstorg

Creating free & open access resources & tools for social movements creating a just & sustainable food system. Ending the root causes of hunger.

Eating Locally (18K followers)

@EatingLocally

Local food feeds healthy local communities & builds strong local economies. Supporting local farmers, food producers & artisans.

La Via Campesina (16.4K followers)

@via\_campesina

Global movement of peasants, small & medium-sized producers, landless, women, indigenous people, rural youth & agricultural workers. RTs are not...

Stone Barns Center (14.3K followers)

@StoneBarns

Stone Barns Center for Food & Agriculture is a nonprofit education center and 80-acre farm working to create a healthy and sustainable food system.

Young Farmers (13.9K followers)

@YoungFarmers

The National Young Farmers Coalition is by and for the next generation of family farmers in the United States. #youngfarmers

CIW (10.5K followers)

@ciw

Worker-led human rights organization. Creator of the @FairFoodProgram & Campaign for Fair Food. Pioneer in fight to end modern slavery.

BCFN Foundation (9,806 followers)

@BarillaCFN

Barilla Center for #Food & #Nutrition. The future of food is growing with us #foodwaste #health #climatechange #sustainable diets #foodsustainability

Food Chain Workers Alliance (9,741 followers)

@foodchainworker

Our alliance of 33 worker groups is working for fair wages & conditions for food workers and a green, healthy, affordable food system for all people!

Livable Future (9,700 followers)

@livablefuture

The Johns Hopkins Center for a Livable Future investigates the intersection of #foodsystems and #publichealth.

Food Alliance (8,979 followers)

@foodalliance

Most credible and comprehensive certification for sustainable food in North America.

Food Climate Research Network (7,746 followers)

@FCRNetwork

The FCRN synthesises and communicates research on food, climate, and broader sustainability issues. Join our 2000+ subscribers: <http://bit.do/Fodder>

greenhorns (7,722 followers)

@greenhorns

Working nationally to promote, recruit and support young farmers. Film! Radio! Blog! Booklets. Books and in person Events.

The Future of Food (6,151 followers)

@futureoffoodorg

Global Alliance For the Future of Food

The Landworkers' Alliance (5,565 followers)

@LandworkersUK

A grassroots union representing farmers, growers and land-based workers. We work to defend our members interests and create a better food system for everyone.

WFO (5,252 followers)

@worldfarmersorg

The World Farmers' Organisation brings together producer organisations and agricultural cooperatives around the world, advocating for farmers worldwide.

COM FOOD & JUSTICE (4,357 followers)

@comfoodjustice

Through partnerships at the local, state, and national level, Community Food and Justice Coalition works to create an equitable, community-driven food system.

FoodSecurity Network (2,657 followers)

@foodsecuritynet

International Food Security Network (IFSN), co-funded by the European Commission and implemented by ActionAid and 11 official partners, works in 31 countries.

Food Solutions New England (2,565 followers)

@FoodSolutionsNE

Six state regional network creating a strong, just, healthy food system & economy for all of New England. #foodjustice #sustainability Based at UNH.

Sustainable Seed Co. (2,423 followers)

@SustainableSeed

We sell over 1,875 varieties of Organic Heirloom Seeds

Oregon Tilth (1,744 followers)

@OregonTilth

In pursuit of a brighter food future. Oregon Tilth is a leading nonprofit certifier, educator and advocate for organic agriculture and products since 1974.

Agrarian Trust (525 followers)

@AgrarianTrust

Agrarian Trust's mission is to support land access for next generation farmers.

Asia GROW Campaign (467 followers)

@OxfamAsiaGROW

GROW is a global movement aimed to address the broken food system. Let's GROW our own movement here in Asia.

## United Nations Organizations (21)

United Nations (11.1M followers)

@UN

Official account of #UnitedNations. Get latest information on the UN. Follow us on Instagram: unitednations. #GlobalGoals #StandUp4HumanRights

UNICEF (7.56M followers)

@UNICEF

It's Parenting Month! What would help you spend more precious time with your children? Add your voice to our parenting poll. #EarlyMomentsMatter

UNESCO (3.05M followers)

@UNESCO

Building peace where it starts - in the minds of men & women.

UNHCR, the UN Refugee Agency (2.29M followers)

@Refugees

Global account of #UNHCR, the UN Refugee Agency. We provide life-saving aid + protection to #refugees and people forced to flee. #WithRefugees @RefugeesChief

World Food Programme (1.65M followers)

@WFP

Saving lives, changing lives. The United Nations World Food Programme is the world's largest humanitarian agency working towards Zero Hunger.

UN Development (1.36M followers)

@UNDP

Working to end poverty for good. Transforming our world #By2030. Follow our Administrator @ASteiner & visit <http://undp.org> for more

UN Environment (879K followers)

@UNEnvironment

Official account of the United Nations Environment Programme. #WorldEnvironmentDay is 5 June. Together, we can #BeatAirPollution



UN Foundation (576K followers)

@unfoundation

Connecting people, ideas and resources with the United Nations.

UN Peacekeeping (386K followers)

@UNPeacekeeping

@UN Department of Peace Operations - Investing in peace around the world. Follow the Under-Secretary-General: @Lacroix\_UN Instagram: UNPeacekeeping

UN Humanitarian (307K followers)

@UNOCHA

The UN Office for the Coordination of Humanitarian Affairs (OCHA) mobilizes & coordinates humanitarian assistance to people in need worldwide. #NotATarget


Global Goals (295K followers)

@GlobalGoalsUN

Official @UN Twitter account for the 17 #GlobalGoals for Sustainable Development. Transforming our world by 2030.

UN Sustainable Development (202K followers)

@SustDev

Official account of @UNDESA's Division for #SDGs. Helping @UN Member States & stakeholders build a better world for  & by 2030. #GlobalGoals

UN Global Compact (95.7K followers)

@globalcompact

Helping to align business with #TenPrinciples on human rights, labour, environment and anti-corruption, and to catalyze actions in support of broader #UN goals

UN-Habitat (91.3K followers)

@UNHABITAT

The United Nations Human Settlements Programme, UN-Habitat, is the United Nations agency for human settlements.

UN DESA (80.9K followers)

@UNDESA

UN DESA assists countries around the world in agenda-setting and decision-making with the goal of meeting their economic, social and environmental challenges.

UNIDO (76.6K followers)

@UNIDO

The United Nations Industrial Development Organization aspires to reduce poverty through #inclusive & #sustainable industrial development #SDG9

UNITAR (53.7K followers)

@UNITAR

Official Twitter account of the UN Institute for Training & Research (UNITAR). We empower our beneficiaries through knowledge & learning. ED:@NikhilSethUN

SDSN (21.6K followers)

@UNSDSN

The Sustainable Development Solutions Network (SDSN) mobilizes the world's top experts on key challenges of #SDG implementation for achieving #Agenda2030.

Education 2030 (17.7K followers)

@Education2030UN

#Education2030 = action for #SDG4 ensure inclusive & equitable quality education & lifelong learning for all #SDG4EduCommittee <http://www.sdg4education2030.org>

UN Democracy Fund (6,973 followers)

@UNDemocracyFund

Strengthens the voice of civil society, supports human rights and advances the participation of all groups in democratic processes.

Local2030 (1,730 followers)

@Local2030

#UN-wide platform & #sustainabledevelopment forum @UN #Local2030 #UNSG @antonioguterres @aminajmohammed; #governments #investors #innovators #SDGs

## Universities, Colleges; Education (57)

edutopia (1.09M followers)

@edutopia

Inspiration and information about what works in education.

The Chronicle of Higher Education (258K followers)

@chronicle

The leading news source for higher education. We tweet great stories from our archives with #CHEarchive. Follow us on Instagram: <https://chroni.cl/2IG9Tm6>

ASCD (238K followers)

@ASCD

ASCD is a nonprofit organization that supports the global community of educators dedicated to excellence in learning, teaching, and leading.

NEA (218K followers)

@NEAToday

Official account of the National Education Association. We are 3 million educators 🧑🏫, advocating for our students and our professions. We are #RedforEd. 🍏

Earth Institute (92.1K followers)

@earthinstitute

Mobilizing the sciences, education and public policy to achieve a sustainable earth. Located at Columbia University.

Yale Climate Project (54.6K followers)

@YaleClimateComm

Our mission is to advance public understanding and engagement with climate change science. Event notifications posted here are FYIs and not endorsements.

NEA Education Votes (39.8K followers)

@edvotes

A community of activists founded by the National Education Association focused on building great public schools and benefiting all students.

ACE (33.9K followers)

@ACEducation

The major coordinating body for the nation's colleges & universities, representing nearly 1,800 higher ed leaders.

NAFSA (32.3K followers)

@NAFSA

The leading professional association dedicated to international education.

AssocofCommColleges (31.2K followers)

@Comm\_College

The American Association of Community Colleges (AACC) is the primary advocacy organization for the nation's community colleges. #comm\_college

Johns Hopkins | SAIS (28.6K followers)

@SAISHopkins

Johns Hopkins School of Advanced International Studies: Innovative thinkers and problem-solvers confronting complex global challenges

IIEglobal (27.4K followers)

@IIEglobal

IIE is among the world's largest and most experienced international education organizations, committed to serving participants, sponsors and donors since 1919.

Tyndall Centre for Climate Change Research (21.9K followers)

@TyndallCentre

Evidence-based, peer-reviewed, expert. Since 2000.

EdSurge HigherEd (19.1K followers)

@HigherEdSurge

News, community and tools for innovators rethinking how #highered can meet the needs of modern learners. Sign up for our newsletter: <https://goo.gl/cKMFBW>

Ashoka U (15.2K followers)

@AshokaU

Transforming universities into hubs of social innovation. Join us here: <http://ashokau.org/subscribe/>

Teachers W/O Borders (13.7K followers)

@teachersnetwork

Teachers Without Borders connects teacher leaders, worldwide, to information and each other

EduInternational (13.2K followers)

@eduint

Education International (EI) is the voice of #educators worldwide determined to create a future where #quality #education for all becomes reality

AAU (13K followers)

@AAUniversities

The Association of American Universities' 62 research universities transform lives through education, research, and innovation.

CISL\_Cambridge (11.4K followers)

@cisl\_cambridge

The Cambridge Institute for Sustainability Leadership (CISL) develops leadership and solutions for a sustainable economy Tweets ≠ endorsement #RewireEconomy

CtrForGreenSchools (10.8K followers)

@mygreenschools

Official account of the Center for Green Schools at @USGBC. Connecting w/ #schools & #campuses to achieve our vision: #greenschools for all w/in this generation

AASCU (10.2K followers)

@AASCU

American Association of State Colleges and Universities

NAICU (9,404 followers)

@NAICUtweets

News & info from the Natl. Assn. of Independent Colleges and Universities. Also check out @NAICUheadlines.

AACSB News (9,261 followers)

@AACSB

@AACSB International connects educators, students, and business to achieve a common goal: to create the next generation of great leaders.

World Learning (9,138 followers)

@WorldLearning

Working globally to enhance the capacity & commitment of individuals, institutions & communities through education, development & exchange.

Schumacher College (9,123 followers)

@SchumacherColl

A pioneering College providing a range of postgraduate, vocational and short courses for transformative learning and a sustainable future.

US Student Association (8,931 followers)

@USStudents

United States Student Association. National membership of 1.5 million students fighting for education justice. Existing and resisting since 1947 #EduJustice

Stanford Woods Institute (8,619 followers)

@StanfordWoods

Stanford Woods Institute for the Environment: the hub for interdisciplinary environmental and sustainability research @Stanford

Reimagine Education (8,598 followers)

@ReimagineHEdu

Highlighting #HigherEd #innovations worldwide through Reimagine Education #Awards & #Conference (1-3 DEC, London) Join us to discuss #education worldwide.

AACTE (8,579 followers)

@AACTE

The official Twitter account of the American Association of Colleges for Teacher Education (AACTE) - promoting news and insights on educator preparation.

Grantham Imperial (8,362 followers)

@Grantham\_IC

@ImperialCollege's hub for climate & environment, leading on world-class research, training & innovation towards a sustainable, resilient, zero-carbon society.

GreenSchoolsAlliance (7,803 followers)

@GreenSchoolsAll

Connecting and supporting champions who are creating #healthy and #sustainable #schools.

#GreenSchoolsChat Contact Number: 413-749-5267

ECS | Education Commission of the States (7,349 followers)

@EdCommission

We provide education leaders with unbiased information & opportunities for collaboration because informed policymakers create better policy. #edpolicy

APLU (6,927 followers)

@APLU\_News

This is the official Twitter account for the Association of Public and Land-grant Universities (APLU)

Education Design Lab (6,484 followers)

@eddesignlab

A non-profit using #designthinking to prototype and test new models in #highered toward the future of work

PSU Sustainability (6,366 followers)

@sustainablepdx

Research, teaching, student activities and community partnerships in #sustainability at @Portland\_State and beyond. A collaboration between SSC, CSO, & ISS.

AASHE (5,706 followers)

@AASHENews

An association of colleges and universities that are working to create a sustainable future.

Barefoot College (5,554 followers)

@BarefootCollege

We're an NGO providing basic services and solutions to problems in rural communities, with the objective of making them self-sufficient and sustainable.

ACCT (5,287 followers)

@CCTrustees

The Association of Community College Trustees (ACCT). Representing more than 6,500 elected and appointed trustees who govern more than 1,100 community colleges.

Azim Premji University (5,237 followers)

@azimpremjiuniv

Education for Social Change - Towards a just, equitable, humane and sustainable society.

College Media Association (4,895 followers)

@collegemedia

The voice of collegiate media and its advisers, College Media Association serves student media pros, staffs and programs with education, research and resources.

Second Nature (4,598 followers)

@LeadOnClimate

Formerly Second Nature's ACUPCC. Building a sustainable positive global future through the Presidents' #ClimateLeadership Commitments in #highered

AFT Higher Ed (4,449 followers)

@AFTHigherEd

Representing over 200,000 faculty, staff and graduate employees in higher education.

AJCU (4,448 followers)

@jesuitcolleges

28 US Jesuit colleges and universities comprise the Association of Jesuit Colleges and Universities (AJCU), based in Washington, DC.

Campus Compact (3,680 followers)

@Campus\_Compact

We are a coalition of 1,000 colleges and universities dedicated to advancing the public purposes of higher education.

TheUniversityNetwork (3,216 followers)

@TUNpress

Honest reporting on positive developments happening on college campuses with a focus on #environment, #mentalhealth, #technology, #advocacy and #entertainment

Gaia University (2,937 followers)

@Gaia\_University

The University for World Changers. Transformative Action Learning Degrees for Ecological and Social Regeneration.



Eco-Schools Global (2,929 followers)

@EcoSchoolsInt

Eco-Schools is the largest #sustainable #schools #ESD programme in the world, supporting #SDGs.

Owned and run by FEE International @FeelInt #GreenFlag

CCCU (2,672 followers)

@cccuorg

The Council for Christian Colleges & Universities (CCCU) is a higher education association of more than 180 Christian institutions around the world.

Gund Institute (2,391 followers)

@GundInstitute

The Gund Institute for Environment at #UVM is a leader in environmental research and solutions.

Connecting @UVMVermont with the world.

ISEN (1,785 followers)

@ISENatNU

Advancing global sustainability & energy solutions through transformational research, experiential education, & public engagement | @NorthwesternU @ResearchNU

GreenMountainCollege (1,697 followers)

@greenmtncollege

We're a small school with a big mission, preparing students for a productive career and life through a liberal arts education that emphasizes sustainability.

ACCU (1,607 followers)

@CatholicHighrEd

The voice of U.S. Catholic higher education, the Association of Catholic Colleges and Universities strengthens and promotes Catholic mission and identity.

BU Pardee Center (1,435 followers)

@BUPardeeCenter

The Frederick S. Pardee Center for the Study of the Longer-Range Future at Boston University. Tweets about our research, events & community.

Harvard Global (1,416 followers)

@harvardgloaled

Global Education Innovation Initiative- We advance understanding diverse education systems and practice teaching and learning relevant to the 21st century

Talloires Network (1,342 followers)

@TalloiresNet

Universities that engage communities, serve the public, and collaborate across borders.

IntentionalEndowment (1,266 followers)

@IntentEndowment

Intentional Endowments Network: #highered & foundation endowments pursuing #ESG & #sustainability investing. Managed by @georgesdyer

Green Schools C&E (1,040 followers)

@greenschoolscon

GSCE unites thought leaders, #educators, school admins & elected officials, to advance vision of #greenschools for all within this generation. #GSCE20

Global Resilience Institute (919 followers)

@Resilience\_NU

The Global Resilience Institute at NU is a uni-wide, interdisciplinary effort partnering w/public & private sectors to devise solutions to resilience challenges

## Women's Organizations (15)

UN Women (1.61M followers)

@UN\_Women

UN Women is the UN entity for #genderequality & women's empowerment. Executive Director: @phumzileunwomen.

Malala Fund (645K followers)

@MalalaFund

Malala Fund is working for a world where all girls can learn and lead without fear. Led by @Malala Yousafzai.

Global Fund for Women (246K followers)

@GlobalFundWomen

Global Fund for Women is a champion for gender equality, standing up for women and girls to be strong, safe, powerful, and heard.

WomensFundingNetwork (90.5K followers)

@womensfunding

A network of 100+ funds, foundations, and orgs investing money and influence in gender equity. #WomenFunded19: Leadership for a Changing World, 09/11-13, SF

ActionAid UK (47.2K followers)

@ActionAidUK

ActionAid works with women and girls living in poverty. Our dedicated local staff are helping end violence against women and girls and changing lives, for good.

World YWCA (8,570 followers)

@worldywca

Global women's movement in over 100 countries. Est.1855. Focus: young women's leadership and rights. We are here to make #youngwomen rights a reality! 🧑♀️👏

Vital Voices (85.4K followers)

@VitalVoices

Invest in Women. Improve the World. Vital Voices works with extraordinary women leaders accelerating peace and prosperity in their communities.

FEMNET (31.6K followers)

@FemnetProg

Pan-African, feminist org working to advance women's rights & amplify African women's voices | Celebrating 30Years of Mobilizing African Feminists.

IWMF (23.1K followers)

@IWMF

The International Women's Media Foundation is a DC-based organization dedicated to strengthening the voice of women worldwide.

PeaceWomen @WILPF (13.9K followers)

@Peace\_Women

Promoting #FeministPeace through the full and meaningful participation of women, conflict prevention, disarmament since 1915.

World Pulse (12.6K followers)

@WorldPulse

World Pulse is a social networking platform connecting women worldwide for change.

WECAN, International (6,204 followers)

@WECAN\_INTL

Womens Earth & Climate Action Network is solutions-based network 2 engage #women worldwide as powerful stakeholders in #climatejustice, #climatechange solutions

Mona Foundation (4,303 followers)

@monafoundation

Supporting grassroots educational initiatives and raising the status of women and girls around the world. Join us! ❤️👉 #themonafoundation

WEA (4,157 followers)

@WomensEarthAlly

Women's Earth Alliance (WEA) invests in grassroots women's leadership to drive solutions to our most pressing ecological concerns – water, food, land + climate

WomenClimateJustice (2,319 followers)

@WomenGlobalCall

Women and girls of all ages, in all our diversity, from every region of the world creating together a mass movement for climate justice.

## Appendix 11

Appendix 11

First Large Student Strike for Climate Marches



**School Strike 4 Climate** @StrikeClimate March 15, 2019

BREAKING NEWS: While we were asleep, the world was striking! The numbers are in: yesterday was THE BIGGEST day of climate action ever! [@ScottMorrisonMP](#) [@billshortenmp](#) you catching this? The youth are rising! [#climatestrike](#) [#ss4c](#)



29 417 796