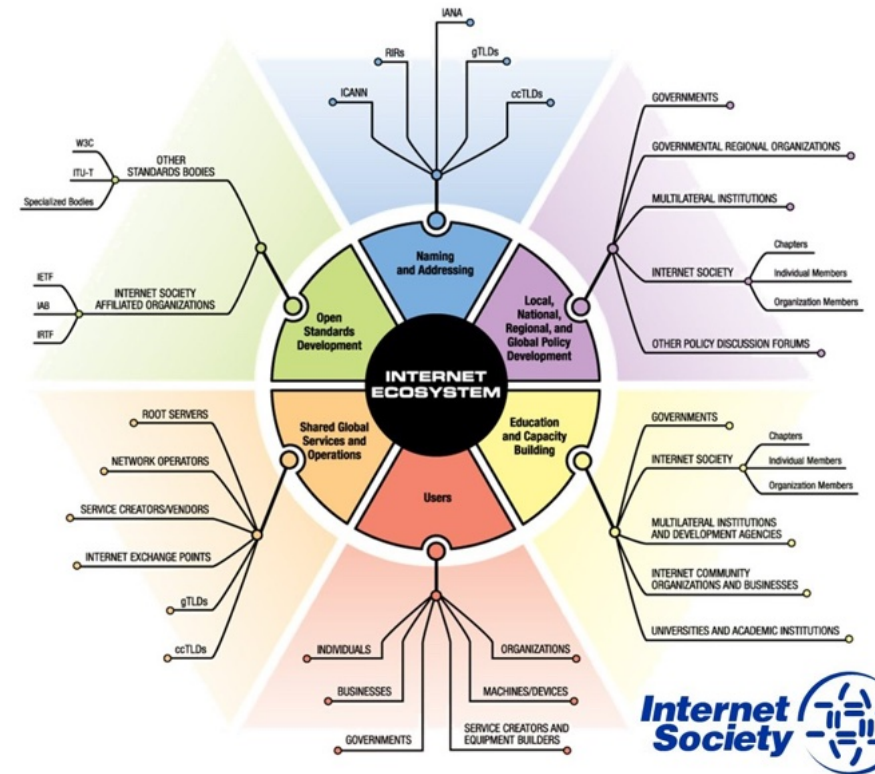


Internet Governance & Technical Standards



- **Needs:**
 - “new energy”, creative ideas, alternative views
 - participants / speakers for events
 - contributions to mailing lists & forums
- **Offers:**
 - travel grants, fellowship & mentoring, interns positions
 - “academic cooperation” programmes
 - training & workshops & education materials
 - hackathons

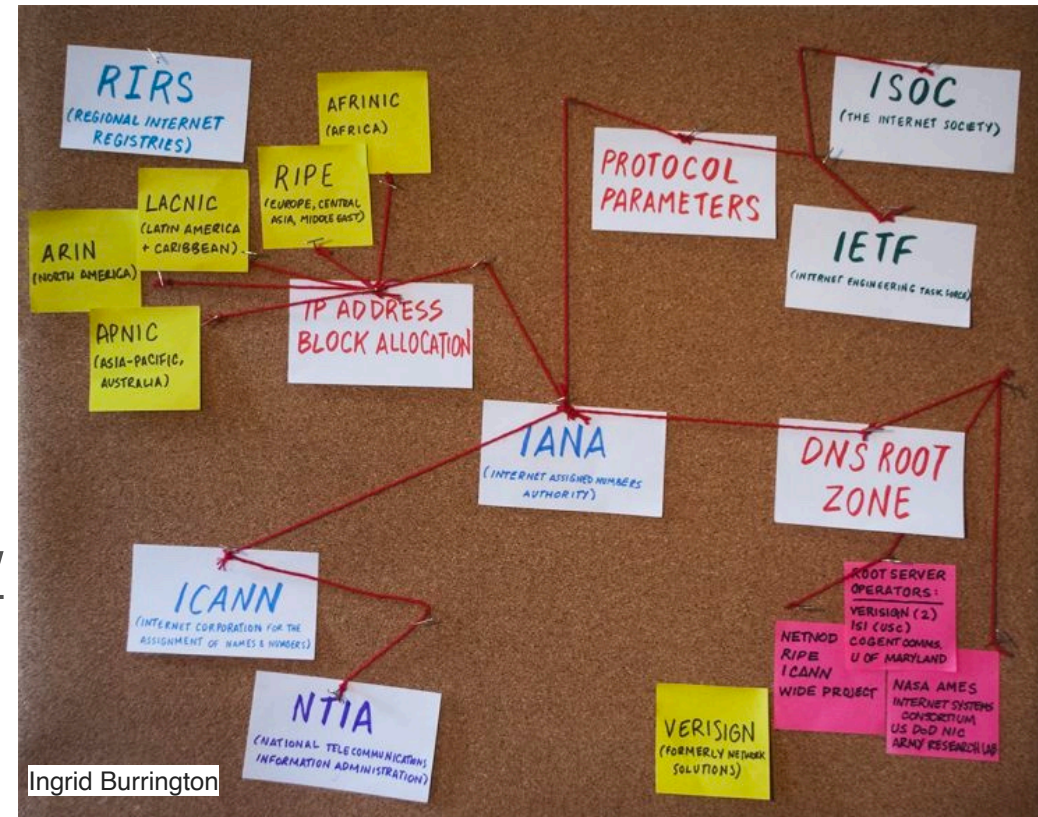


Links

- ripe.net/raci
- ripe.net/training
- ripe.net/diversity
- forum.ripe.net
- labs.ripe.net

- <https://ietf.org/hackathon>
- <https://www.ietf.org/about/groups/ietf-systems/>
- <https://www.icann.org/fellowshipprogram>

- <https://wiki.techinc.nl/Sustainability#Events>
- https://wiki.techinc.nl/Sustainability#Mailing_Lists



<https://splinternews.com/who-controls-the-internet-ted-cruzs-fantasy-vs-the-re-1793861684>

RIPE Meeting Talks on Sustainability



- RIPE75 (October 2017): “Internet Services and Energy Demand”, Mike Hazas <https://ripe75.ripe.net/archives/video/154/>
- RIPE81 (October 2020): Sustainable ICT Procurement, Michael Oghia, <https://ripe81.ripe.net/programme/meeting-plan/bof/#mon14>
- RIPE84 (May 2022): Towards a Fossil Free Internet, Chris Adams, Green Web Foundation <https://ripe84.ripe.net/archives/video/751/>
- RIPE85 (October 2022): 13 Propositions for a Burning World, Tobias Fiebig, MPI INF; Doris Aschenbrenner, Aalen University <https://ripe85.ripe.net/archives/video/877/>
- RIPE86 (May 2023): The Environmental Impact of Internet: Urgency, De-Growth, Rebellion , Vesna Manojlovic <https://ripe86.ripe.net/archives/video/1001/>
- RIPE87 (November 2023): The Internet of Tomorrow Must Sleep More and Grow Old, Romain Jacob, ETH Zurich <https://ripe87.ripe.net/archives/video/1143/>

“Civil Society”: Academia, (h)Activists, NGOs...



- **Computing Within Limits**

- <https://labs.ripe.net/author/becha/computing-within-limits-2023/>
- 10th Conference: <https://computingwithinlimits.org> (18-19.June 2024)

- **Bits & Bäume (part of CCC)**

- <https://labs.ripe.net/author/becha/towards-climate-justice-in-tech/>
- <http://bits-und-baeume.org/>

- **Many other communities for climate action in tech**

- <https://wiki.mozilla.org/Projects/Sustainability/Research>
- <https://www.sigplan.org/Resources/Climate/>
- <https://climateaction.tech/community/>
- <https://www.apc.org/en/news/mobilising-collective-action-environmental-justice-and-sustainability-2020>
- <https://varia.zone/8m/>



O.R.C.A.

<https://linktr.ee/orcamsterdam>



“No research on a dead planet”

<https://www.frontiersin.org/articles/10.3389/feduc.2023.1237076>

DeGrowth Academic Journal

<https://www.degrowthjournal.org/>

“Getting Into Fights With Data Centers” , Anne Pasek

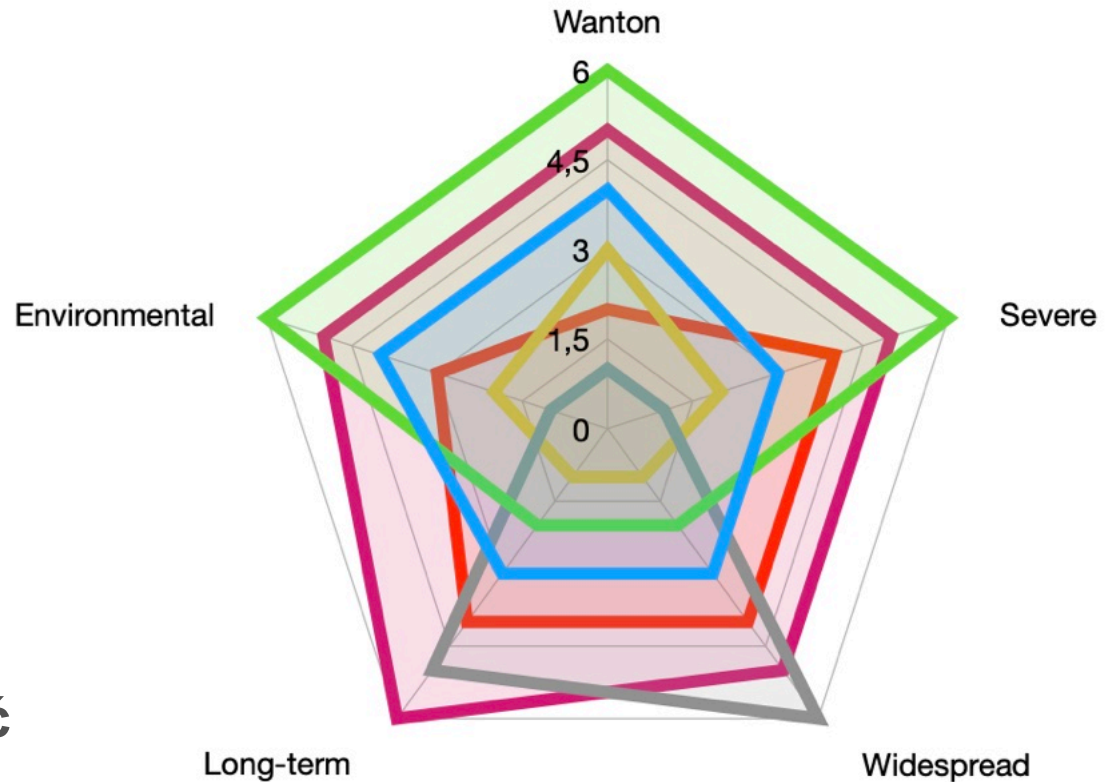
https://emmlab.info/Resources_page/Data_Center_Fights_digital.pdf

“AI is Ecocide”, Vesna Manojlović

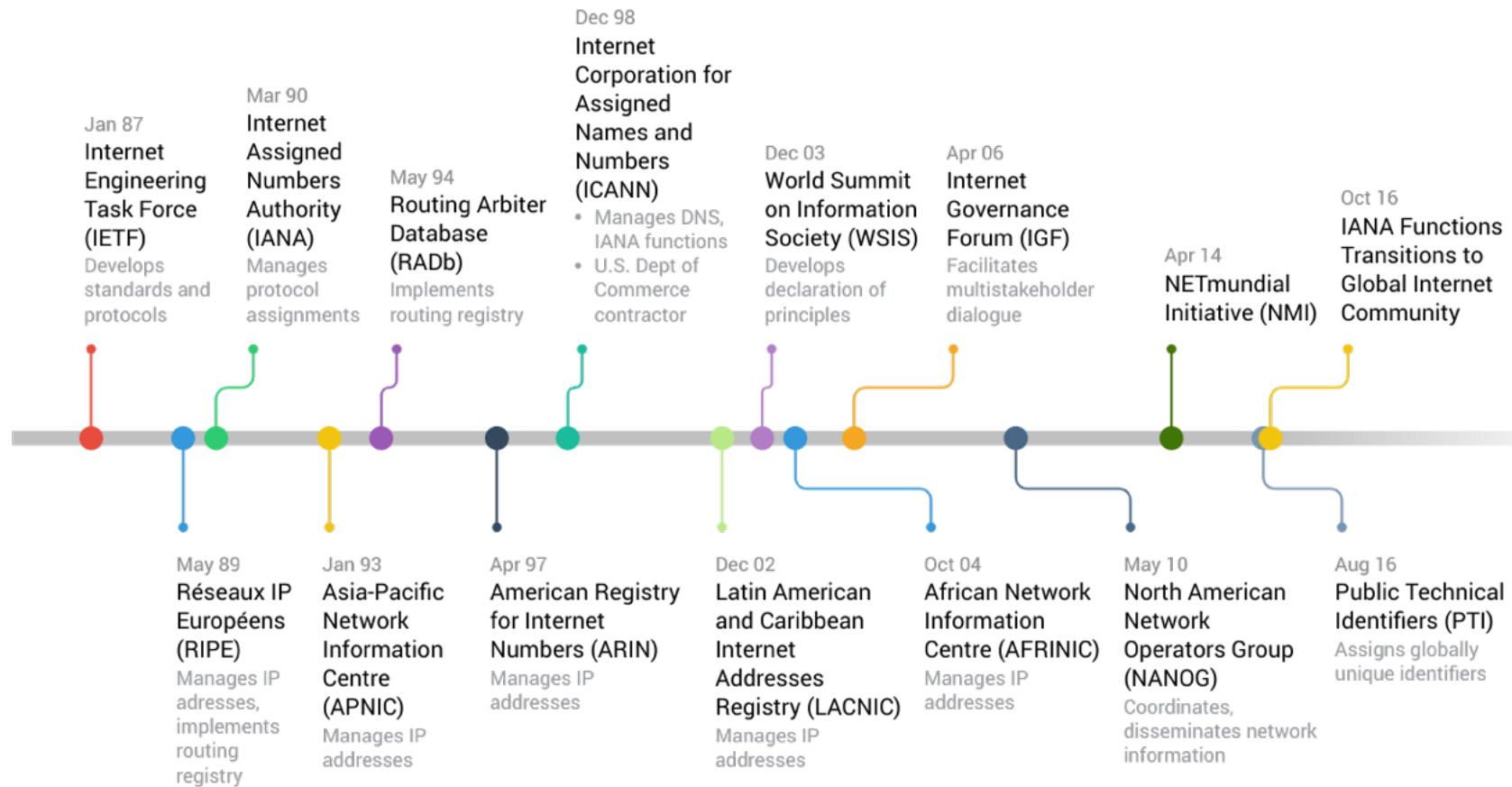
https://wiki.techinc.nl/User:Becha/AI_is_ecocide

Computing is Ecocide

AI / LLM Bitcoin Networks 5G Data Centers e-waste



Internet governance timeline



“Data is the New Oil”

THE INTERNET USES A HUGE AMOUNT OF ENERGY. THIS IS DUE TO TWO KEY FACTORS:

MANUFACTURING AND SHIPPING



Technology companies must manufacture and ship the internet's hardware including:



COMPUTERS



SMARTPHONES



SERVERS

POWERING AND COOLING



Computers and smartphones must be powered and cooled, drawing electricity from local grids.

This power is generated in different ways with varying emissions!



COAL



NATURAL GAS



NUCLEAR



RENEWABLES



© Henry Hering CC0 1.0 © Walery CC0 1.0

1860s - 1910s, England
 Statistician Florence Nightingale & physician Elizabeth Garrett Anderson, women's suffrage movement



© Cyro A. Silva CC BY 2.0

1920s, Brazil
 Biologists from National Museum, environmental protection



1960 - present, USA
 Science for the People collective, anti-war and social justice



© SR Nigeria



© SR Spain



© SR Panamá

1962

2020s, Worldwide
 Scientist Rebellion, climate and ecological breakdown

Vesna Manojlovic @becha · 2 hours ago
 Eunice Newton Foote wrote a first paper (1856) on relationship between carbon dioxide and the earth's climate <https://archive.vn/DPhg2>



ALT: Eunice Newton Foote. (Victorial Press Ltd./Alamy)

1860

1890

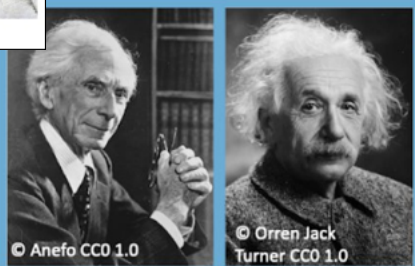
1920

1950

1980

2010

1856!



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1957, USA & Europe
 Nobel winners' Russell-Einstein Manifesto, abolition of atomic weapons and war



© NASA CC0 1.0

1988 - present, USA
 Climatologist James Hansen, climate change



© Stefan Müller CC BY 2.0

2018 - present, Argentina
 Biologist Esteban Servat, social struggles and environmental abuse



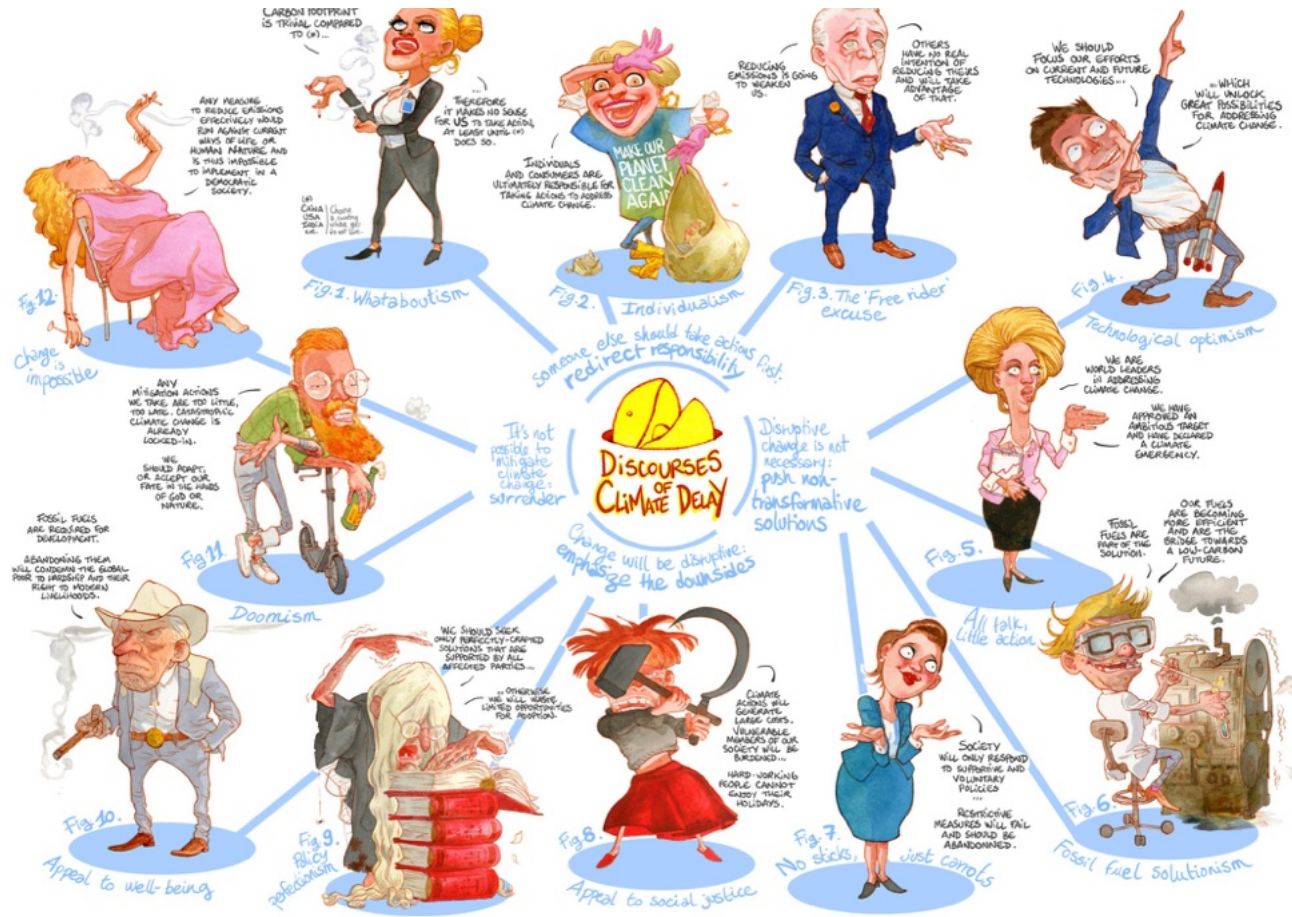
scientist rebellion_



Vesna



“Delay is the New Denial”



https://www.researchgate.net/publication/342596080_Discourses_of_climate_delay

Principles for Climate Justice in Tech



- “Towards Climate **Justice** in Tech”
 - <https://labs.ripe.net/author/becha/towards-climate-justice-in-tech/>
- **Limiting** extractivism & decreasing growth
- **Reparations**: giving back to the most affected communities
- Acting in **solidarity** with the frontline communities & centering marginalised groups; mutual aid

