ODRAST & (Mrežne) Technologije

_

Povezano Polje

~

"Al is Ecocide"

~

ODRAST & Feminizam

November 2024
https://www.unin.hr/
https://mmiim.miraheze.org/wiki/ObliciOdRASTA

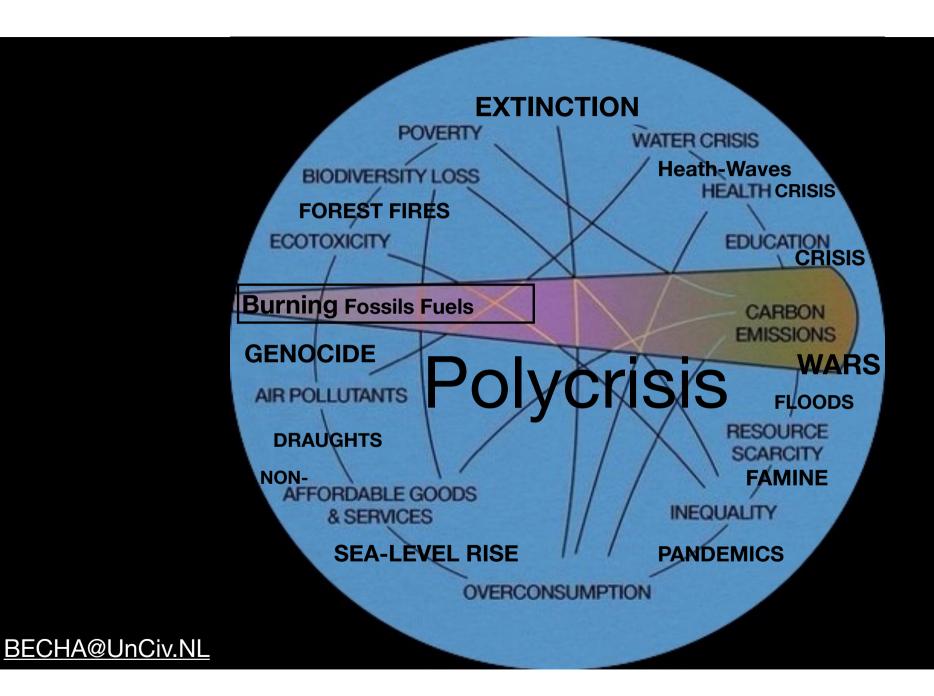


Vesna Manojlović

BECHA@UnCiv.NL



https://becha.unciv.nl/



Attitudes 4 Polycrisis

- anthropocentrism, extractivism, individualism, consumerism...
- supremacies, oppressions, hierarchies, dominations, inequalities...
- control, surveillance, exploitation, addictions, extremisms...
- privatising, profits, conquests, imperialism, colonialism, corruptions...
- fallacy of progress, fallacy of (infinite) growth, fallacy of saviours...
- body-mind division, violence, private property, slavery...
- (Neo-Liberal) "imperialist white-supremacist capitalist patriarchy" bell hooks

Principles of Degrowth



Sustainability

Never deteriorate supporting ecosystems



Circularity

Waste not, want not



Cooperation

People and planet, not profit



Useful Production

What is not needed should not be made



Sharing

Sufficiency for all, excess for none



Local Production

Produce local, consume local



Work-Life Balance

Work less, play more



Relational Goods

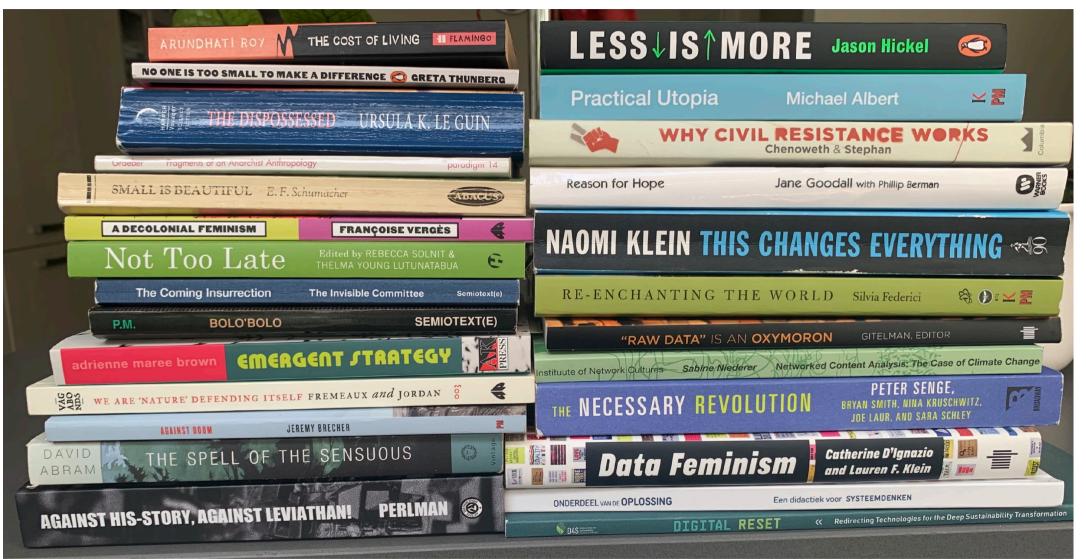
Less stuff, more relationships



Joie De Vivre

If I can't dance, I don't want to be part of your economy!

Source: https://tel.archives-ouvertes.fr/tel-02499463/document



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Selected DeGrowth Links

- https://wiki.techinc.nl/File:9th DeGrowth Conference Zagreb August 2023 February 2024.pdf
- A Degrowth Perspective on Artificial Intelligence Analysing the Appropriateness of Machine Learning to a Degrowth Contex https://www.research-collection.ethz.ch/handle/20.500.11850/622669
- Degrowth can work here's how science can help: https://www.nature.com/articles/d41586-022-04412-x
- Digital Degrowth https://zagreb.degrowth.net/en/9 int dg conf/public/events/184
- Combatting climate change & #Polycrisis means embracing degrowth https://climateactionaustralia.wordpress.com/2023/01/22/why-combatting-climate-change-means-embracing-degrowth-polycrisis/
- https://www.noemamag.com/degrowth-in-japan
- https://jornbettin.com/2023/07/04/enough/





,

ICT & DeGrowth



About Me



BECHA@UnCiv.NL

20th Century Carrier (1991-1998)

- Education:
 - Hight school: Zemunska Gimnazija; Computer Science at @ ETF.ac.yu, Belgrade
- Operating systems:
 - VAX-VMS, DecNET, Linux (galeb.etf.bg.ac.yu), ZaMir (BBS)
- Art & (h)ac(k)tivism:
 - Škola Mira, NetForum, Documenta X, HIP97, NextFiveMinutes, Syndicate, nettime...
- Employment:
 - Računski Centar ETF; Centar za Anti-Ratnu Akciju; YUCCA; OpenNet/B92

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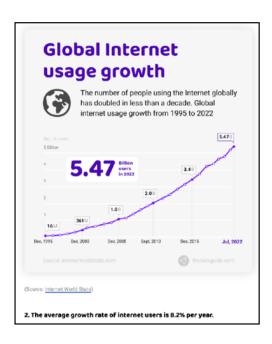
21st Century Carrier (1999-today): RIPE NCC

- 1st "Trainer" at RIPE NCC! IPv4, IPv6, whois Database, IRR...
 - Also: hostmaster, webmaster, mailing-lists moderator, technical writer... + TRAVEL



- Advanced Courses Trainer (2001-2006) RPSL, DNSSEC, RPKI, BGPsec
 - & IPv6 Evangelist (lecturer & IPv6 RIPEness co-creator) (2007-2010)
- "Measurements Community Building" Manager / RIPE Atlas (2011-2016)
- (Senior) Community Builder (2017-present)
- "South Eastern Europe" Programme Committee <u>ripe.net/see</u>
- Organizing hackathons, Local Hubs, DEI Sessions...

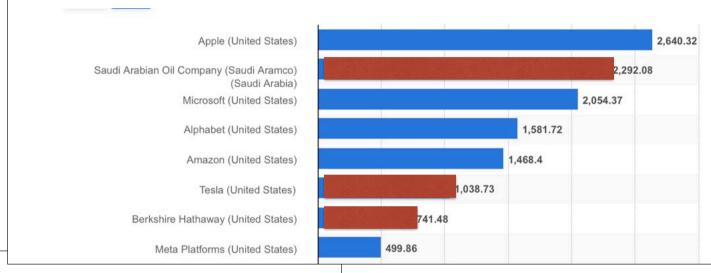




The 100 largest companies in the world by market capitalization in 2022

(in billion U.S. dollars)

Source: https://www.statista.com/statistics/263264/top-companies-in-the-world-by-market-capitalization/



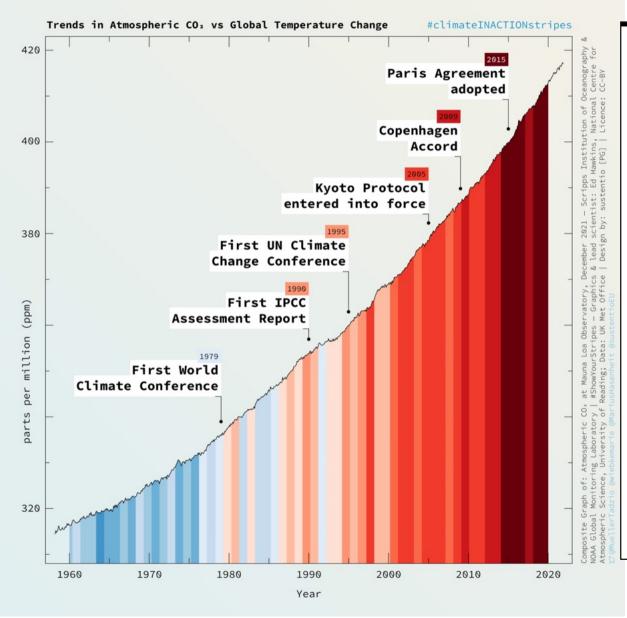
Global trends in digital and energy indicators, 2015-2021

	2015	2021	Change
Internet users	3 billion	4.9 billion	+60%
Internet traffic	0.6 ZB	3.4 ZB	+440%
Data centre workloads	180 million	650 million	+260%
Data centre energy use (excluding crypto)	200 TWh	220-320 TWh	+10-60%
Crypto mining energy use	4 TWh	100-140 TWh	+2 300-3 300%
Data transmission network energy use	220 TWh	260-340 TWh	+20-60%



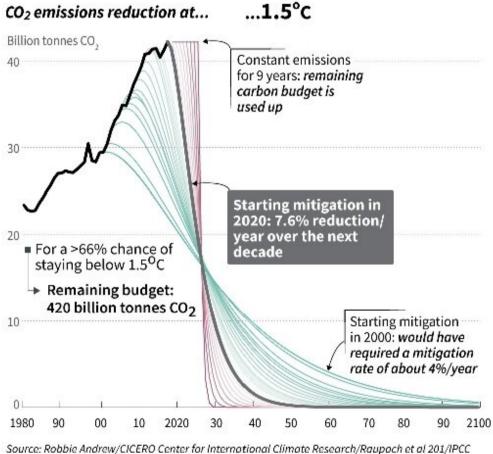
Source: https://www.iea.org/reports/data-centres-and-data-transmission-networks





Cutting global emissions: when is late

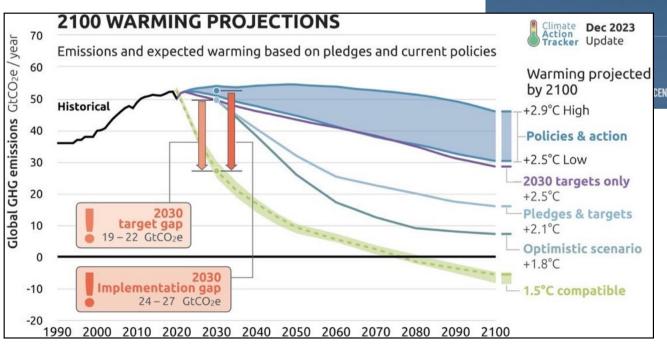
UN report shows capping global warming at 1.5°C is no longer realistic

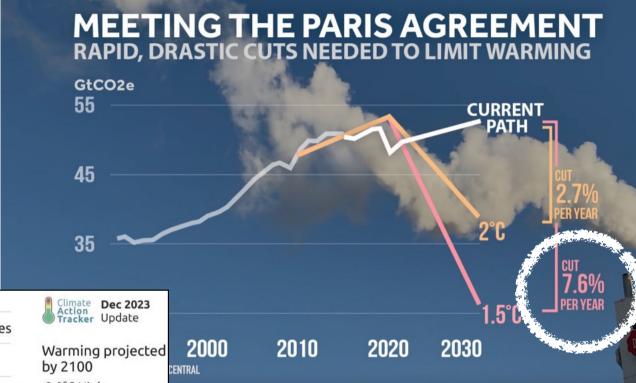


12

2021: -7.6% PER YEAR

https://www.climatecentral.org/ climate-matters/return-to-theparis-agreement

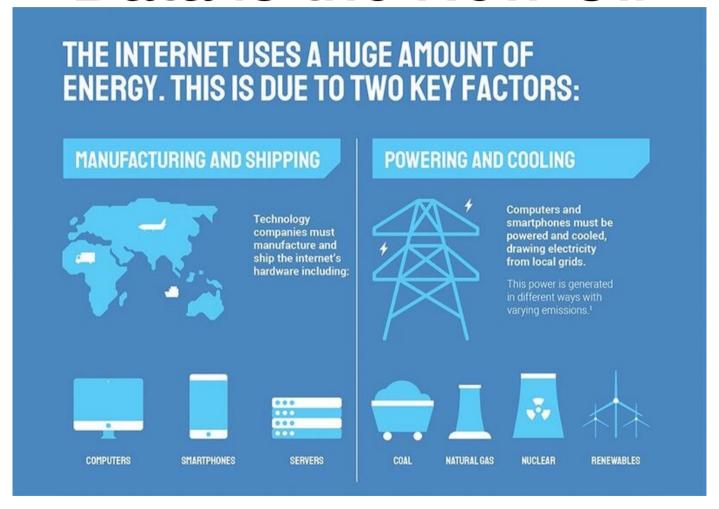




2024: Reduction by 50% in 6 years

=> -10% PER YEAR

"Data is the New Oil"



Problems Statements: ICT's Death Cycle

- 1. Materials are extracted in violent & polluting ways
- 2. Shipping (of materials & equipment) uses fossil fuels
- 3. Equipment is produced by using fossil fuel energy (& exploitative conditions)

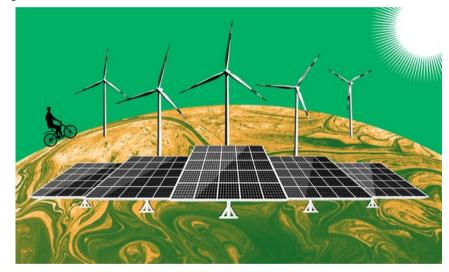


- 4. Operating networks & data storage uses electricity sourced by burning fossil fuels
- 5. Disposing old equipment is wasteful & polluting & unjust

DeGrowth Solutions: The Opposite of Death-Cycle!

- 1. Re-Use existing materials
 - 1. Or **re-source** materials in sustainable & just ways
- 2. Use renewable energy sources
 - 1. (R**efuse** fossil fuels)
- 3. Produce locally (reduce shipping)
- 4. Decrease energy usage

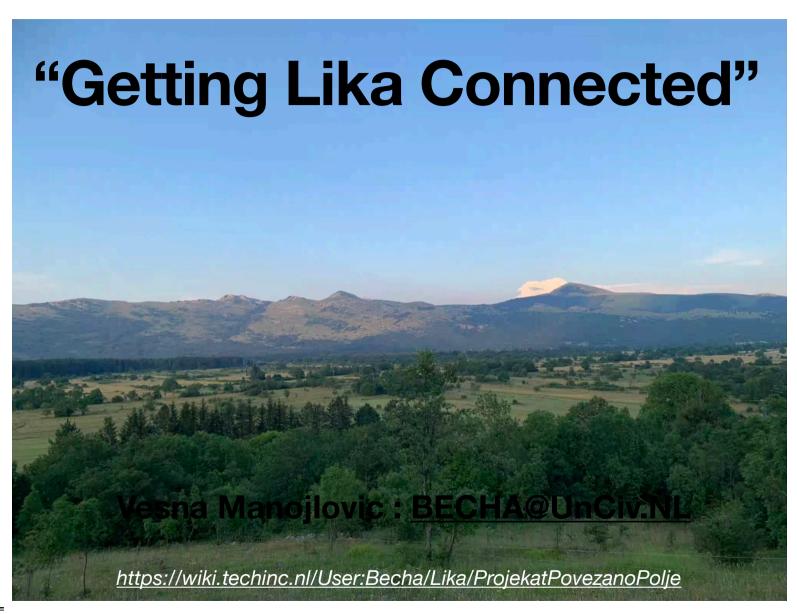




5. Reduce new equipment needs: Repair, Repurpose, Recycle

"Green Tech" Links

- Green Tech Hackathon: 10-11.12.2024, Online / Local Hubs / Amsterdam
 - https://labs.ripe.net/author/becha/announcing-the-green-tech-hackathon/
- 2024: https://wiki.techinc.nl/Sustainability
- 2023: https://labs.ripe.net/author/becha/environmental-impact-of-internet-urgency-de-growth-rebellion
 - & slides: https://wiki.techinc.nl/File:Xs-vesna-e impact-ripe86-short-and-long.pdf
- 2021: Resilience in Tech Communities: Nature is Healing https://labs.ripe.net/author/becha/ripe-community-resilience-nature-is-healing/
- 2014: Nature will have the last word https://wiki.techinc.nl/index.php/File:Nature-speaking-on-future of the internet-RIPE69.pdf



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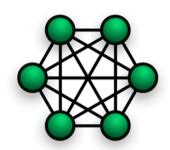
Goals & Principles

- bringing internet connectivity to a village in Croatia (Gubavcevo Polje)
- rejuvenation of the remote rural communities
- enabling digital rights for the marginalised
- "Climate Justice in Tech" principles (Limitations / Reparations / Solidarity)
 - renewable energy, repurposed equipment, community governance
- **principles** of Feminist Internet (FLOSS, embodiment, care)
- "Alternative Networks" RFC7962 (commons, mesh, not-for-profit / non-commercial)
- DeGrowth Principles!

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Solutions





- distributed, decentralised, not-for-profit, communally owned & operated,
- from repurposed / refurbished equipment
- using renewable energy & free software
- set up by volunteers
 - hackers & (digital rights / climate justice / feminist) activists.



1st PLACE





\$2,500 USD

AWARD

presented to

Vesna Manojlovic

for their solution

Getting Lika Connected: Povezano Polje







No Internet on a dead planet

Al is Ecocide

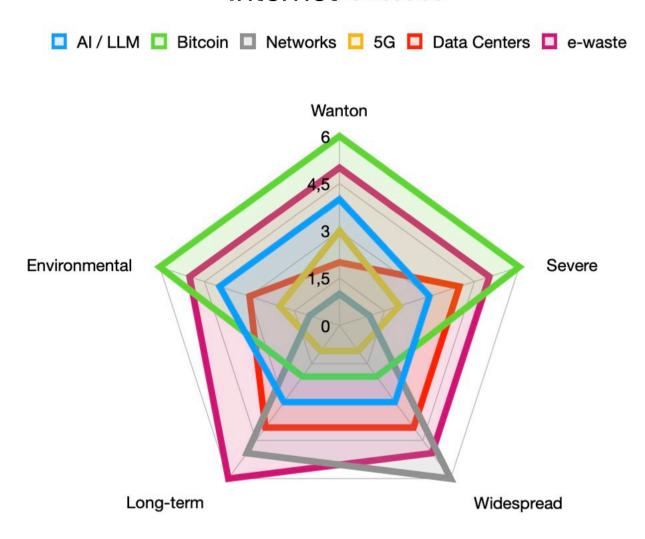
VESNA MANOJLOVIC

AI will have a detrimental effect on our climate targets because it is already yet another engine of ecocide. As the next extension of an already highly destructive capitalist technological system, AI will soak up fossil fuels (through energy use), rare metals, land, and even water (to cool servers), while externalizing pollution. Moreover, AI systems will further consolidate power and wealth in the hands of a few corporations, which are amassing data for use in surveillance and the exploitation of human labor – all for short-term profit.

To counter AI-ecocide, we must mount successful interventions at all levels – from international rule-making down to our own personal education. Most people do not associate the digital realm with encroachment on planetary boundaries. That needs to change. To reduce energy and resource consumption to sustainable levels, we must resist the runaway production and operation of more digital devices, networking infrastructure, and data centers. Extractivism and growth-oriented business models must be countered with economic policies that justly redistribute the benefits of technology. Technical innovation must focus more on sustaining critical systems and institutions, and on repairing harms.

If AI development continues down the track of anthropocentric, hierarchical, individualistic applications, it will not end well. But if we acknowledge other forms of "real intelligence" in nature – swarms, reefs, hives, forests, octopuses – that could instill us with the humility we need to change course.

Internet is Ecocide

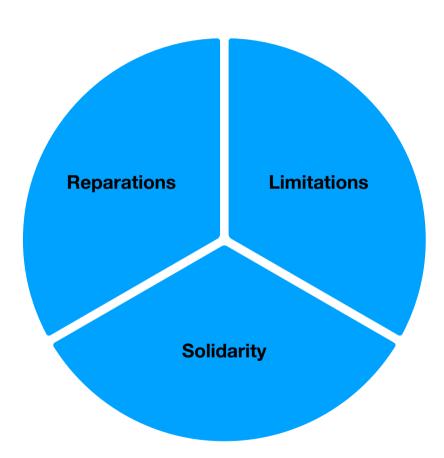


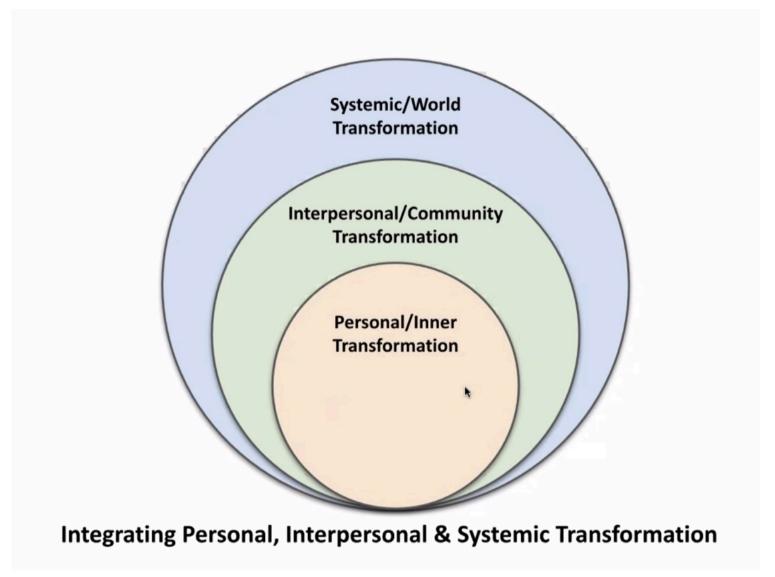
Against Ecocide

- ^^^ based on: "Computing as Ecocide", by Rob Comber and Elina Eriksson: https://limits.pubpub.org/pub/a8h46wqy/release/1
- My article: https://www.project-syndicate.org/magazine/ai-climate-change-what-role-paris-targets-2023-09
- My collection of links: https://wiki.techinc.nl/User:Becha/Al is ecocide
- Newest article by Reynard Loki https://www.counterpunch.org/2024/05/02/should-harming-the-planet-be-a-crime-the-case-for-ecocide-laws/

Climate Justice in Tech

- https://labs.ripe.net/author/becha/towardsclimate-justice-in-tech/ (2022)
- Limiting extractivism & decreasing growth
- Reparations: giving back to the most affected communities
- Acting in solidarity with the frontline communities & centering marginalised groups; mutual aid

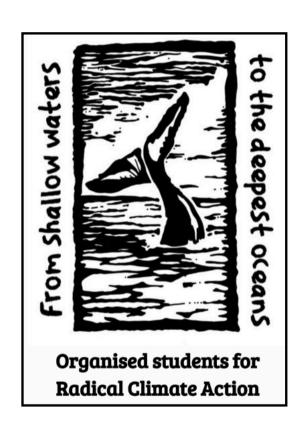






Join Activist Communities

- APC.org
- RightsCon.org
- Bits und Bäume : https://bits-und-baeume.org/en/
- Scientists Rebellion : https://ScientistsRebellion.com
- digital-rights-climate-justice@groups.io
- Rebellion.Global
- Counter Cloud Action Day https://diagram.institute/12o/
- Digital Depletion Strike https://multiplace.org/8m



https://linktr.ee/orcamsterdam



Vesna Manoilovic @becha - 2 hours ago Eunice Newton Foote wrote a first paper (1856) on relationship between carbon dioxide and the earth's climate https://



1856!



1860s - 1910s, England

Statistician Florence Nightingale & physician Elizabeth Garrett Anderson, women's suffrage movement



1920s, Brazil

Biologists from National Museum, environmental protection



1960 - present, USA

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



2020s, Worldwide Scientist Rebellion, climate and ecological breakdown



1860

C Anefo CCO 1.0

1890

1920

1950

1980

2018 - present, Argentina

2010

Biologist Esteban Servat, social struggles and environmental abuse





1957, USA & Europe

Turner CCO 1.0

Nobel winners' Russell-Einstein Manifesto, abolition of atomic weapons and war



1988 - present, USA Climatologist James Hansen, climate change



scientist rebellion_





https://ripe86.ripe.net/archives/video/1001/

DeGrowth & Feminism





We live in capitalism, its power seems inescapable - but then, so did the divine right of kings. Any human power can be resisted and changed by human beings. Resistance and change often begin in art. Very often in our art, the art of words.

— Ursula K. Le Guin —

AZ QUOTES



https://archive.org/details/governingthecommons







The Internet: Can we survive with it?

DeGrowth & Feminism

- Feminism(s) and Degrowth Alliance (FaDA): https://degrowth.info/en/fada
- Academic Journal on Degrowth (May 2023): feminist, anarchist, decolonial views https://www.degrowthjournal.org/issues/2023-volume-1/
- MENA Women's & Girls' Demands for COP28 and Beyond https://womengenderclimate.org/wp-content/uploads/2023/11/WGC-MENADemands-ExecSumm.pdf
- https://labs.ripe.net/author/becha/data-feminism-from-data-ethics-to-data-justice/
- Trans*Feminist Counter Cloud Action: https://titipi.org/wiki/index.php/
 Counter Cloud Action Plan

Data Feminism, Data Justice

Table 2.1: From data ethics to data justice		
Concepts That Secure Power	Concepts That Challenge Power	
Because they locate the source of the problem	Because they acknowledge structural power	
in individuals or technical systems	differentials and work toward dismantling	
	them	
Ethics	Justice	
Bias	Oppression	
Fairness	Equity	
Accountability	Co-liberation	
Transparency	Reflexivity	
Understanding algorithms	Understanding history, culture, and context	

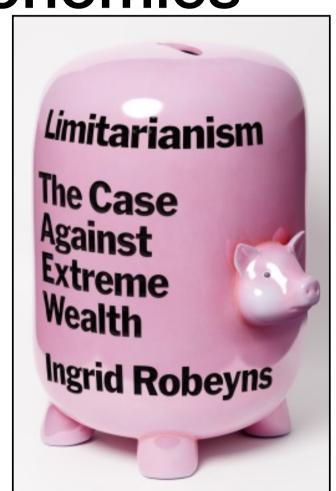
https://datafeminism.io/

Other Alternative Economies

My Top 10 21st-Century Alternative Economic Theory Books:

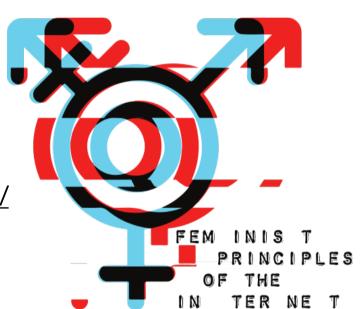
- Giving Economy, Heather Marsh (in "Binding Chaos", 2013)
- Post-carbon Economy, Naomi Klein (in "On Fire", 2021)
- Caring Economy, Riane Eisler (2007): http://caringeconomy.org/
- Decolonising Economics, Nonhlanhla Makuyana (2021) https://decolonisingeconomics.org/
- Ecofeminism, Maria Mies and Vandana Shiva (2014)
 https://www.environmentandurbanization.org/ecofeminism
- Mutualism, Sara Horowitz (2021)
- Doughnut Economics, Kate Raworth (2017) https://doughnuteconomics.org/
- Mission Economy, Mariana Mazzucato (2021)
- The Support Economy: Shoshana Zuboff (2002) http://www.thesupporteconomy.com/
- Enlightenment Economics, Diane Coyle (in "The Economics of Enough", 2011)

What all of these have in common is criticism of neoliberal capitalism and a focus on sustainability, care, equity, and co-empowerment.



Feminist Internet

- feministinternet.org
- Principles:
 - in Bosnian: https://feministinternet.org/sites/default/files/Feministicki principi na internetuv2-0.pdf
- Pristup, Pokreti i javno učešće, Izražavanje, Alternativne ekonomije, FLOSS...



Decolonizing Internet, Economy, Ecology...





VANDANA SHIVA

"I think the combination of feminism and ecology creates two potentials. First, I have seen feminism that is not ecological become a new oppressor. I have seen environmentalism that is not feminist enough also become a new elitism. Ecofeminism prevents those two new forms of elitism by saying, No, it's about society and nature. It's about other ways of thinking"





Nonhlanhla Makuyana

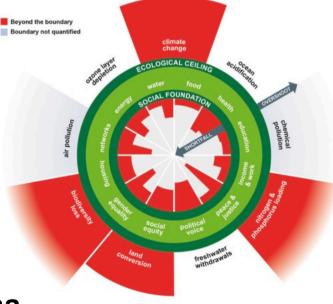
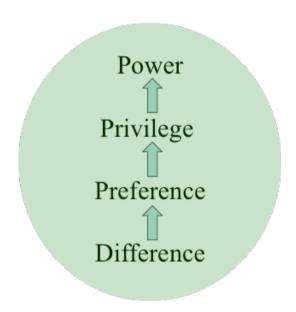
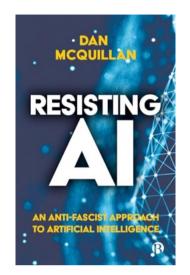


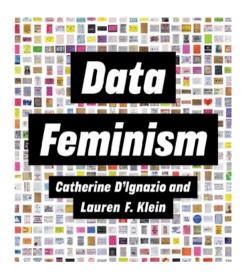
Image: Kate Raworth and Christian Guthier/The Lancet Planetary Health

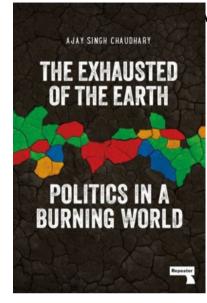
Technical Is Political



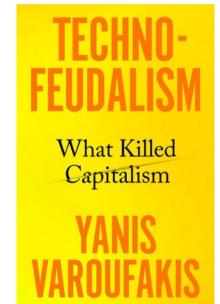
 "No research on a dead planet" https://www.frontiersin.org/articles/10.3389/feduc.2023.1237076

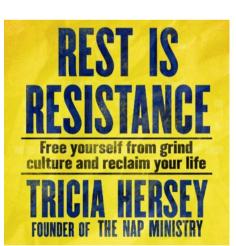












COUNTER COMPUTING: https://counter-n.net/



- → decolonial computing, Stefanie Wuschitz,
- → insurgent computing, Anna Engelhardt
- → minimal computing, Andrew Lison
- permacomputing, Marloes de Valk, Ville-Matias Heikkilä
- more-than-binary computing, Juan Pablo García Sossa
- + frugal computing, Wim van der Bauwhede
- + junkard computing, Jennifer Switzer
- + off-the-grid / SolarPunk & https://doingthedoughnut.tech/
- + low-tech, "green tech", slow tech, durable tech, circular tech
- + https://art-meets.radical-openness.org/2024/program/reorganizing-the-internet/

Vesna Manojlovic | RIPE86 | May 2023

Against Big Tech

- Digital Disobedience https://wiki.techinc.nl/User:Becha/DigitalDisobedience
- Against Cloud: https://wiki.techinc.nl/MeshNet#Cloud_Problems
- Against Data Centers: https://wiki.techinc.nl/Sustainability#Data Centers
- Against Techno-Colonialism https://wiki.techinc.nl/Hackers tribes#Decolonising Internet
- Against Centralisation / Consolidation: https://wiki.techinc.nl/MeshNet#Email Problems

#obliciOdRASTA

Academia, (h)Activists, NGOs...

- Computing Within Limits
 https://computingwithinlimits.org
 - https://labs.ripe.net/author/becha/computing-within-limits-2023/
- 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/mobilisingcollective-action-environmental-justiceand-sustainability-2020
- https://www.apc.org/en/project/ technology-environmental-justice-andsustainability
- ACM SIGCAS: Computers and Society <u>https://www.sigcas.org/events/sigcas-showcase-2022/</u>
- Theoretical Computer Scientists for Future (tcs4f.org) made a pledge to "reducing our emissions by at least 50% before 2030 relative to pre-2020 levels."
- https://www.nsuweb.org/circle-gsustainability-ethics-environment-call-forpapers/

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"Algorithmic Sabotage Research Group"

- https://tldr.nettime.org/@asrg/112240241594621190
- "While the whole of society is being subsumed by algorithmically ordered relations and enrolled in machinic optimization, the history continues to show that liberation from the imposition of these power relations is a process brought about by collective organizing, mutual care and #solidarity..
- Given the urgent need to provide some kind of balance as the "algorithmic empire" becomes a multiplier of epistemic injustices, administrative violence and algorithmic states of exception, the Algorithmic Sabotage Research Group (ASRG) proposes "algorithmic sabotage" as a form of constituent counter-power and the basis for an alternative radical political tactic that resists necropolitical authoritarianism and militantly refuses reductive optimisations and statistical segregation through a perspective of care and mutuality, while pushing for structural alternatives."

Internet of Empathy

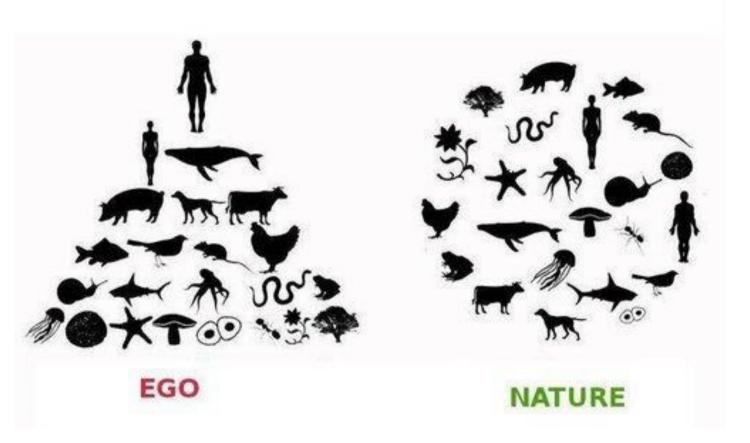
- "To Our Friends" by The Invisible Committee https://mitpress.mit.edu/books/our-friends
 - Positive freedom of connectivity, interaction and involvement
 - Instead of libertarian "freedom" as independence and self reliance
 - This freedom comes at the price of greater responsibility
 - "the intrinsic value of a network does not lie in the sovereignty and independence of its nodes, but in their connectedness,"
 - Empathy is willingness to engage with the Other, and willingness to enrich network with our contributions
- "Guide to Empathetic Technical Leadership" https://empathetictechnicalleader.com
 - FREE to read online: https://leanpub.com/littleguide/read

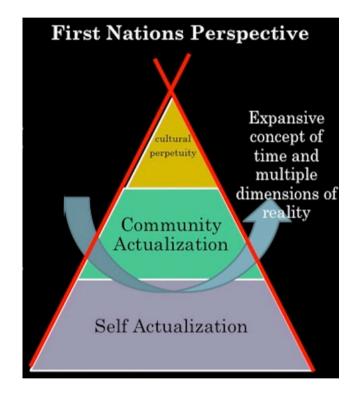
Internet of Squirrels





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Sacred InterDependences

- spiritual debt must be paid for the creation of technology (e.g. knife)
- hollowness has been carved out of the universe by human ingenuity, and so must be refilled with human ingenuity. A ritual gift equal to the amount that was removed from the other world has to be put back to make up for the wound caused to the divine.
 - https://www.thesunmagazine.org/issues/304/saving-the-indigenous-soul, Martín Prechtel, Tzutujil shaman
- "...a society predominantly concerned with preserving its existence (but not endlessly expanding), a society with a modest standard of living, conservative of natural resources, with a low constant fertility rate and a political life based upon consent; a society that has made a successful adaptation to its environment and has learned to live without destroying itself or the people next door...that is the society I want to be able to imagine I must be able to imagine, for one does not get on without hope."
 - "A Non-Euclidean View of California as a Cold Place to Be", Ursula K. Le Guin



Alternative Narratives

- Ursula K. LeGuin: "The Dispossessed"
- Octavia Butler: "Parable of the Sower"
- Orson Scott Card: "Speaker for the Dead"
- Cory Doctorow: "WalkAway"
- Daniel Quinn: Beyond Civilisation (series), "The Story of B" http://www.davidsheen.com/b/
- · Neal Stephenson: "Diamond Age,
- Timothy Morton: "HumanKind"
- Mitakuye Oyasin; Ubuntu; Dreamtime

- Batja Mesquita, (emotions) "Between Us"
- "Group Empathy" https://wiki.techinc.nl/Hackers tribes#Group Empathy
- Starhawk: "Fifth Sacred Thing" https://starhawk.org/writing/books/the-fifth-sacred-thing/
- Philip Shepherd: "Radical Wholeness": https://embodiedpresent.com/
- Tricia Hersey: Rest is Resistance https://thenapministry.com/
- Neurodiversity: https://autcollab.org/knowledge-repository/ecologies-of-care/

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