



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Governing Environmental Sustainability in Tech

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EURALO Roundtable

<https://atlarge.icann.org/ralos/euralo>

Vesna Manojlovic | 2024-02-13 | Online

RIPE (community) and the RIPE NCC



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, and 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/>

Take part in RIPE Community



- **Join RIPE meetings**

- Twice a year, hybrid; ~700 participants; network operators et.al
- 20-24 May 2024, Krakow ripe88.ripe.net

- **SEE Regional meeting,**

- 22-23 April, Athens ripe.net/see-12

- **Join <https://forum.ripe.net>**

- **Find many guest articles & podcasts on RIPE Labs:**

- [Labs.ripe.net/sustainability](https://labs.ripe.net/sustainability)

[Address Policy Working Group](#)

[Anti-Abuse Working Group](#)

[Connect Working Group](#)

[Cooperation Working Group](#)

[Database Working Group](#)

[DNS Working Group](#)

[Internet of Things Working Group](#)

[IPv6 Working Group](#)

[MAT Working Group](#)

[Open Source Working Group](#)

[RIPE NCC Services Working Group](#)

[Routing Working Group](#)

IETF & IAB

- **This week! e-impact session**

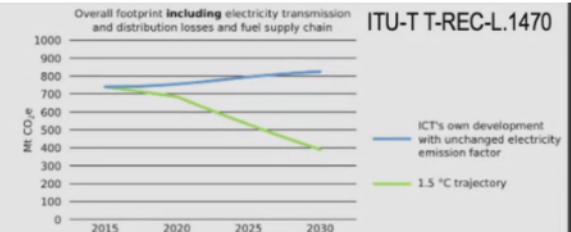
- <https://datatracker.ietf.org/group/eimpact/about/>
- <https://www.iab.org/activities/workshops/e-impact/>

- **January 2023: BIAS workshop**

- The Internet is an important tool to reach the SDG
- <https://datatracker.ietf.org/group/biasws/about/>



Goals?



- Reduction of environmental impact of **about 50%** by 2030 to align with the IPCC 1.5°C trajectory, [ITU-T L.1470] or severe effects for 2°C or ...
- **Keep warming at 1.5°C implies global emissions must peak by 2025 → in 9-10 IETF meetings**
<https://theconversation.com/ipcc-report-global-emissions-must-peak-by-2025-to-keep-warming-at-1-5-c-we-need-deeds-not-words-165598>
- Contribution of ICT in electricity usage is a major green-house gases factor:
 - By **2030** it could use up to 51% of global electricity, and contribute up to 23% of globally released GHG emissions

A. Andrae, T. Edler. *On Global Electricity Usage of Communication Technology: Trends to 2030*. Challenges 2015

Technical Communities on Sustainability



- **Computing Within Limits**

- <https://labs.ripe.net/author/becha/computing-within-limits-2023/>
- <https://computingwithinlimits.org>

- **Bits & Bäume (part of CCC)**

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

- **Many other communities**

- <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>



Internet Governance & SDGs



- **EuroDig: https://eurodigwiki.org/wiki/WS_04_2023**
 - Greening Internet Governance: **EuroDig 2020** https://eurodigwiki.org/wiki/Greening_Internet_governance_-_Environmental_sustainability_and_digital_transformation_-_2020/2021
- **IGF 2023**
 - “Climate change and Technology implementation” https://www.youtube.com/watch?v=eirpgX_U5EA
 - https://labs.ripe.net/author/gergana_petrova/igf-2023-liveblog/
- **2021: <https://seedig.net/seedig7-sustainable-future/>**
- **ITU in 2020: “reduce ICT GHG emissions by 45% by 2030”**