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/](https://ripe75.ripe.net/archives/video/154/)


- RIPE84 (May 2022): Towards a Fossil Free Internet, Chris Adams, Green Web Foundation [https://ripe84.ripe.net/archives/video/751/](https://ripe84.ripe.net/archives/video/751/)


- RIPE87 (November 2023): The Internet of Tomorrow Must Sleep More and Grow Old, Romain Jacob, ETH Zurich [https://ripe87.ripe.net/archives/video/1143/](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

Vesna Manojlovic | EURALO Roundtable | 13 February 2024
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

• 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

Technical Communities on Sustainability

- **Computing Within Limits**
  - [https://labs.ripe.net/author/becha/computing-within-limits-2023/](https://labs.ripe.net/author/becha/computing-within-limits-2023/)
  - [https://computingwithinlimits.org](https://computingwithinlimits.org)

- **Bits & Bäume (part of CCC)**

- **Many other communities**
  - [https://wiki.mozilla.org/Projects/Sustainability/Research](https://wiki.mozilla.org/Projects/Sustainability/Research)
  - [https://www.sigplan.org/Resources/Climate/](https://www.sigplan.org/Resources/Climate/)
  - [https://climateaction.tech/community/](https://climateaction.tech/community/)
Internet Governance & SDGs

- **EuroDig**: [https://eurodigwiki.org/wiki/WS_04_2023](https://eurodigwiki.org/wiki/WS_04_2023)
  - Greening Internet Governnace: [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://www.youtube.com/watch?v=eirpgX_U5EA)
  - [https://labs.ripe.net/author/gergana_petrova/igf-2023-liveblog/](https://labs.ripe.net/author/gergana_petrova/igf-2023-liveblog/)

- **2021**: [https://seedig.net/seedig7-sustainable-future/](https://seedig.net/seedig7-sustainable-future/)

- **ITU in 2020**: “reduce ICT GHG emissions by 45% by 2030”