

# IETF 116

## Environmental Impacts Side Meeting

Yokohama & Online – March 2023

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This session is being recorded



IETF 116 Yokohama  
hosted by

**WIDE**  
PROJECT

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- [BCP 9](#) (Internet Standards Process)
- [BCP 25](#) (Working Group processes)
- [BCP 25](#) (Anti-Harassment Procedures)
- [BCP 54](#) (Code of Conduct)
- [BCP 78](#) (Copyright)
- [BCP 79](#) (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)



# Agenda

## Intro: (15 mins)

- **Introduction, Purpose, and Goals** – Carlos Pignataro (5 mins)
- **E-Impact IAB Workshop Summary** – Jari Arkko (7 mins)
- **Next steps towards a net zero IETF** – Greg Wood (3 mins)

## I-Ds: (40 mins)

- **Challenges and Opportunities in Green Networking** – [draft-cx-green-ps](#) – Alex Clemm (8 mins)
- **Green Networking Metrics** – [draft-cx-green-metrics](#) – Alex Clemm (8 mins)
- **Sustainability Insights** – [draft-almprs-sustainability-insights](#) – Marisol Palmero (8 mins)
- **A Framework for Energy Aware Control Planes** – [draft-retana-rtgwg-eacp](#) – Alvaro Retana (8 mins)
- **Energy-related Effort within the IETF** – [draft-eckert-ietf-and-energy-overview](#) – Toerless Eckert (8 mins)

## Outro: (35 mins)

- **Open Mike & Discussion** – All (30 mins)
- **Wrap & Next Steps** – Carlos Pignataro (5 mins)

# Purpose and Goals

”Discussion of environmental impacts of Internet technologies.”

The “Environmental Impacts” side meeting in IETF116 has the following goals:

1. Provide a concrete **continuation** to the conclusions and actions from the *IAB workshop on Environmental Impact of Internet Applications and Systems, 2022*.
2. Bring together **parties interested in and working** on the topic and compile an overview of **work already taking place** in different pockets of the IETF.
3. Establish, prioritize, and **coordinate actionable work items** for the IETF to focus on.
4. Discuss the potential need and **mechanics for continued coordination** across the IETF.

Thanks!

# Abstract

Over the past decade, there has been an increasing awareness of the environmental impact introduced by the widespread adoption of Internet technologies. While the impact of Internet technologies has an overwhelmingly positive impact (providing alternatives to travel, enabling remote/hybrid work, providing communication support for crisis response, enabling technology-based endangered species conservation, etc.,) there are also negative components and, most importantly, a lot of room remains for us to understand and address these negatives going forward.

This potentially includes

- 1) Understanding and reducing negative environmental impacts across the lifecycle of Internet systems
- 2) Leveraging communication architectures and systems for understanding and reducing other environmental impacts.