

Goal

To articulate a shared European vision for Green ICT, grounded in state-of-the-art research and best practices, and to present a practical framework that serves as a blueprint for designing, developing, and governing sustainable digital systems in Europe. With the option of using it as a recommendation for the EU.

Sections

- 1.Introduction
- 2.A Framework for Green Accountability
 - 2.1.Green metrics
 - 2.2. Measuring and Carbon Emissions
 - 2.3. Programming Languages and framework choices
 - 2.4.AI and Machine Learning
 - 2.5. The Role of Clouds and Data Centers
 - 2.6. The Framework
- 3. Related Works
- 4.Threats to validity
 - 4.1. Virtualization and containerization
 - 4.2. Precise accounting
 - 4.3. Green-washing
- 5. Recommendation

Status

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What Do We Mean by 'Framework'?

- A structured model connecting principles, methods, and measurable actions for sustainable ICT systems.
- It provides:
 - 1.A common language for researchers, policymakers, and industry.
 - 2. A reference structure to guide design, implementation, and evaluation.
 - 3.A basis for standards and certification.

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Next Steps

Discussion