Computer Science and Ecology

Paris-Saclay CS masters

Emmanuelle Frenoux and **Anne-Laure Ligozat**

What place for ICT in a sustainable world?

- sustainability?
  - Climate Fresk

- ICT impacts
  - from life cycle of devices + indirect
  - different impacts: carbon footprint, water consumption…
  - how to measure or qualify these impacts
    - Life Cycle Assessment, energy measurement

- resilient ICT : environmental risks

(Source: Global e-waste monitor 2020)

Course organization

- 4 courses and practical sessions
- then paper presentation in groups