

**Panel: Energy consumption of growing internet (with reps from DTU, Dansk Energi, Telia, greepeace, Huawei)**

Chair: Leif Katsuo Oxenløwe, Technical University of Denmark

**Panel members**

- Leif Katsuo Oxenløwe, DTU
- Dag Lundén, Telia Company
- Anders Andrae, Huawei Technologies (video presentation)
- Torsten Hasforth, Dansk Energi
- Mads Flarup Christensen, Greenpeace

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**Problem**

The internet uses a considerable amount of energy, and the internet traffic is growing exponentially. Can we keep improving efficiency of ICT, so the total energy consumption does not explode?

**Solutions**

The panel agreed on:

- Energy efficiency in ICT is very important – and relevant for policy makers to address.
- Policy makers should introduce an energy-efficiency criterion on all new ICT equipment, before deployment is allowed, and insist on phasing out old inefficient equipment and networks. Existing parallel network infrastructure should also be questioned.
- Regulate ICT-energy-consumption by the price on electricity – companies should pay the full cost of energy production as a minimum
- Public institutions should only use green ict solutions, such as only use green cloud solutions (green data centers)
- Research and development in the area of energy-efficient ict should be strongly supported
- Key target areas: Research&development, Energy regulations, replacement of outdated infrastructure