

Climate, Environment and the ICT Sector

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LVI LIIKENNE- JA
VIESTINTÄMINISTERIÖ



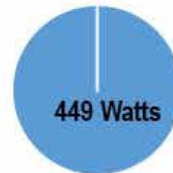
ICT as an enabler

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5 Watts 75 kWh
2.5 Watts 0.1 kg



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Power



Embodied energy

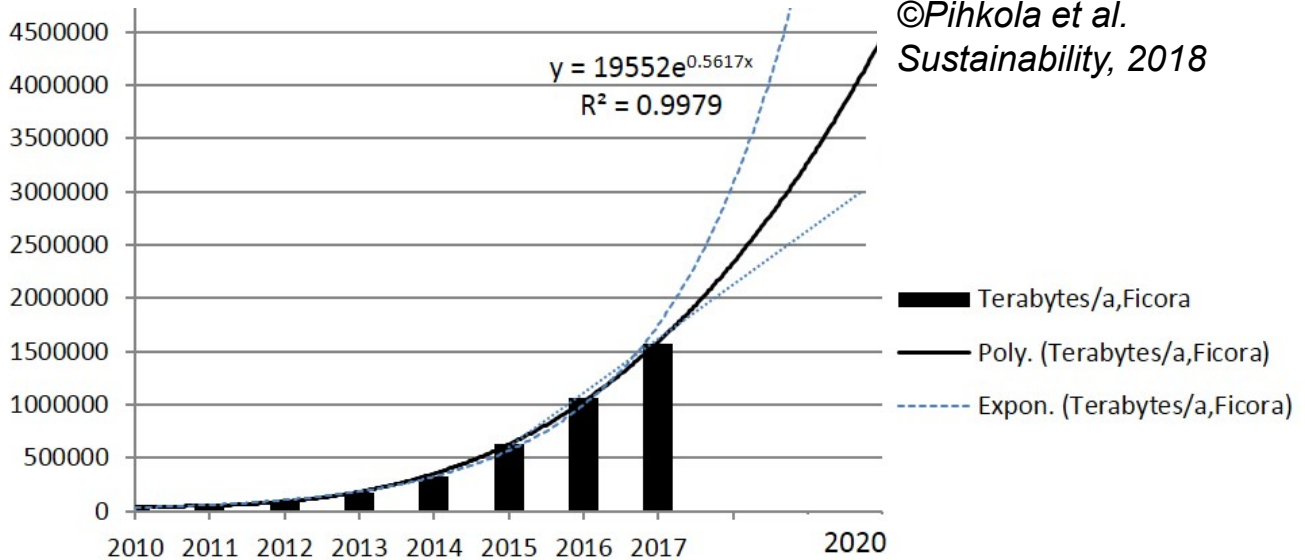


Stand-by
energy use



Weight

At the same time...



Climate and environment strategy for the ICT in Finland

Infrastructure

- **Data centers**
- **Networks**
- **End-user devices**
- Energy consumption: status and development
- Material usage: status and development
- How to tackle the consumption of energy and natural resources?

Services

- **Software**
- **Services**
- **New Technologies**
- Energy consumption: status and development
- (Material usage)
- How to tackle the consumption?
- Positive impacts of ICT: reduction of energy and material consumption in other sectors

Target year for Finland's carbon neutrality is 2035 → the time frame for the strategy will be 2035 with possible intermediate steps