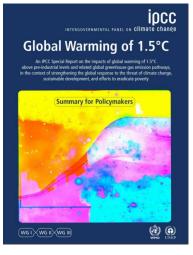
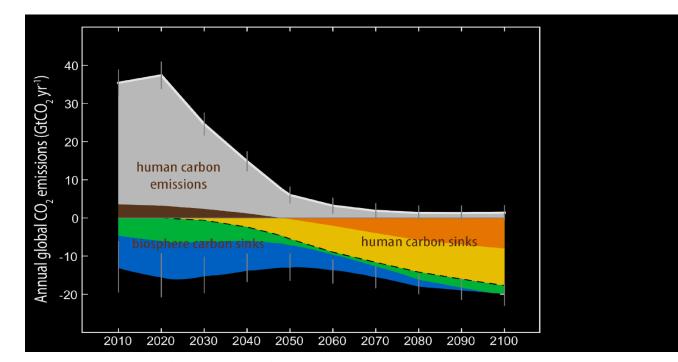


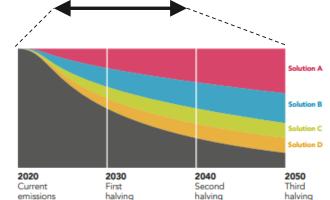
Halving global emissions by 2030 through exponential climate action and digital technologies Pernilla Bergmark, Master Researcher Sustainability, Ericsson pernilla.bergmark@ericsson.com

The mission: Halving global emissions by 2030

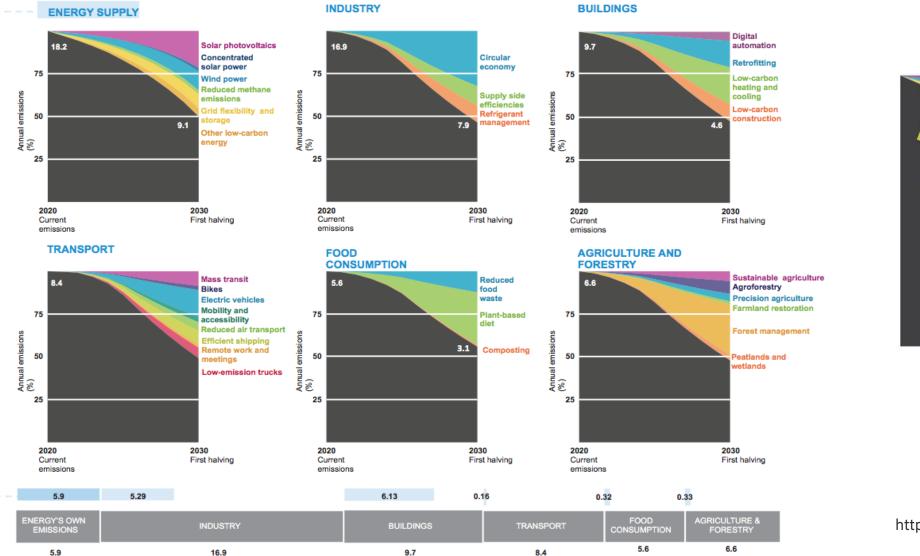








Trajectories for halving global GHG emissions by 2030

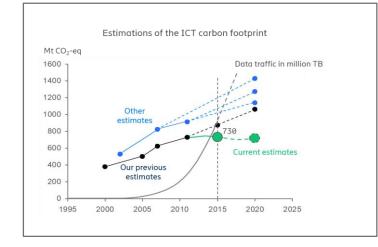




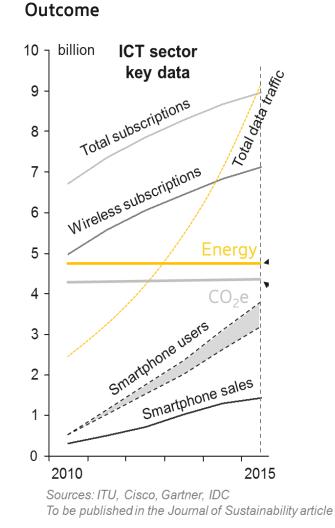
http://exponentialroadmap.org/

The global carbon footprint of the ICT sector

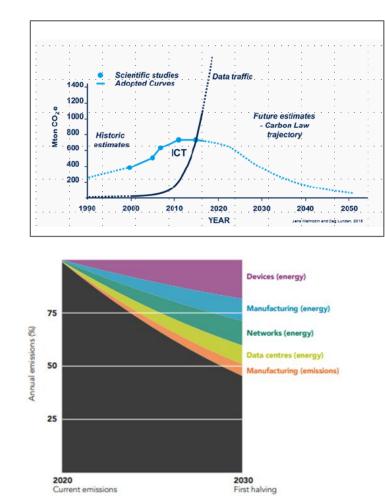
Predictions



1,4% of GHG emission (full life cycle) 3,6% of electricity consumption (operation)

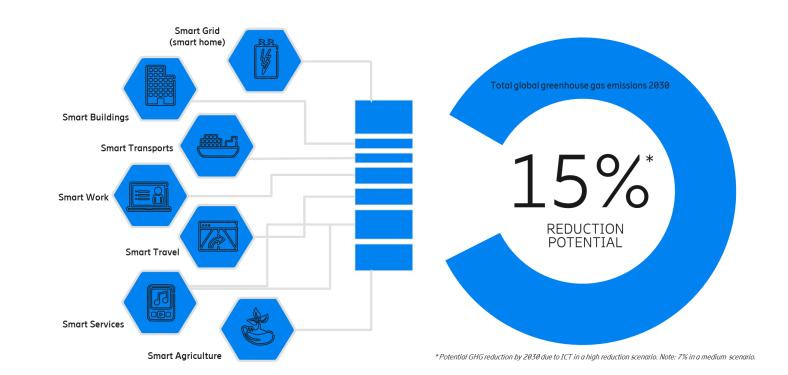


Halving by 2030



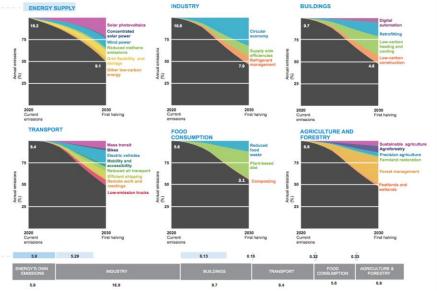
ICT as an enabler of exponential climate action

- ICT is the wildcard of decarbonization
- Can enable 1/3 of the first halving with current technologies
- Influences the decisions of 3 billion producers and consumers every day.
- Additional potential of 5G, AI, IoT and others to be explored



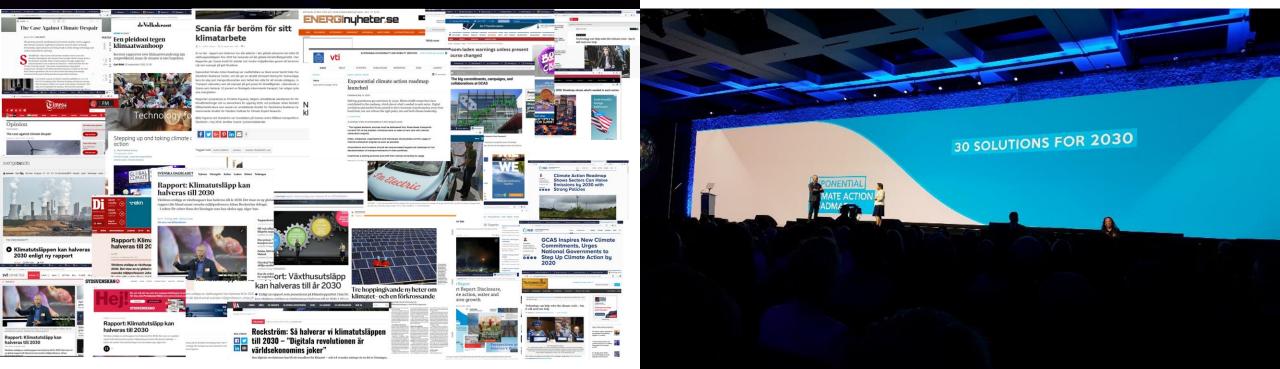


Trajectories for halving global GHG emissions by 2030





http://exponentialroadmap.org/





ericsson.com/sustainability

Background studies

The effects of ICT solutions on GHG emissions in 2030 (2015)

https://www.slideshare.net/Ericsson/conference-paper-exploring-the-effects-of-ict-solutionson-ghg-emissions-in-2030 (also available through ICT4S proceedings http://ict4s.org/conference-proceedings/)

The electricity consumption and operational carbon emissions of ICT network operators 2010-2015 (2018)

http://kth.diva-portal.org/smash/record.jsf?pid=diva2%3A1177210&dswid=-2471

The energy and carbon footprint of the global ICT and E&M sectors 2010-2015 (2018) https://easychair.org/publications/download/MRdh

- note that the link ends up in the middle of the document so you ned to scroll for the first page

ERICSSON RESPONS