



# ERICSSON KEY ACTIVITIES ADDRESSING CLIMATE CHANGE

ITU SYMPOSIUM ON ICT, THE ENVIRONMENT &  
CLIMATE CHANGE



DO YOU  
SEE WHAT  
WE SEE?

CARLO ALLONI  
PRESIDENT ERICSSON NORTH EAST AFRICA

# INFLECTION POINTS



**1771-**

The industrial revolution

**1829-**

Steam, coal, iron & railways

**1875-**

Steel & heavy engineering

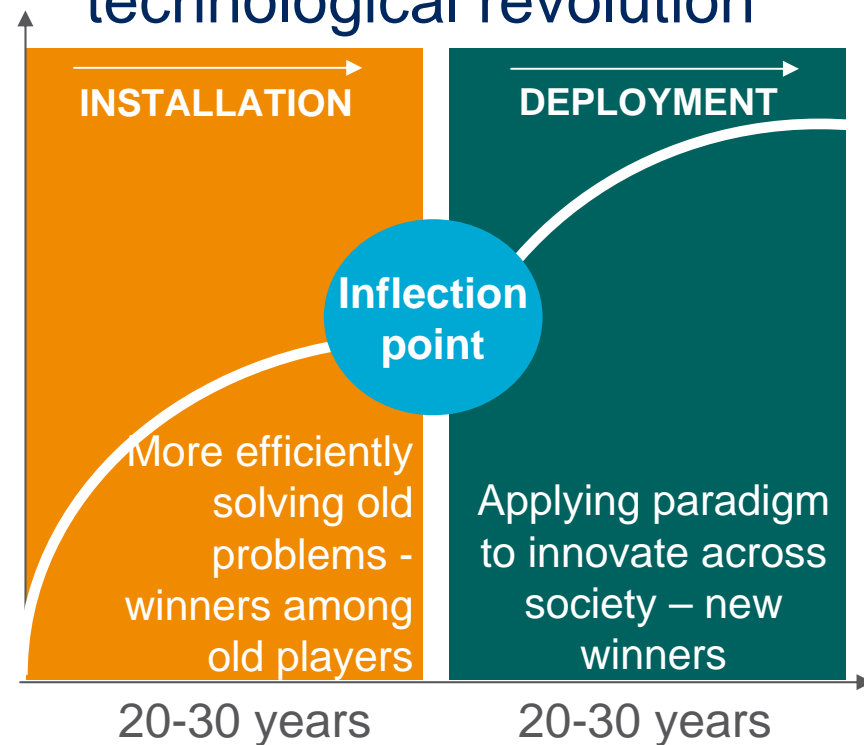
**1908-**

Automobile, oil, mass production

**1971-**

IT & telecommunication

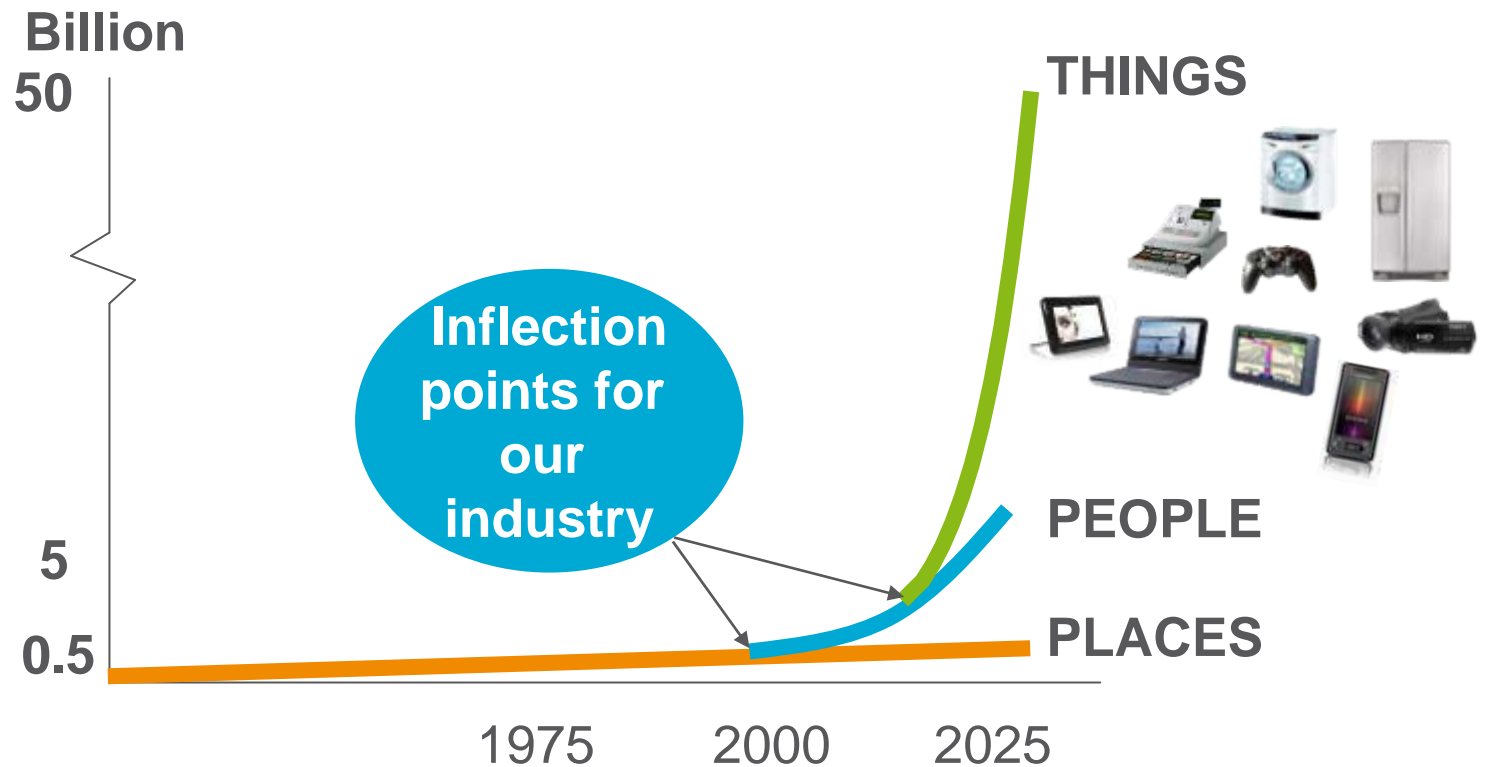
Two different periods of each technological revolution



New opportunities in the digital society

Source: Professor Carlota Perez  
Universities of Cambridge, Tallinn and Sussex

# ANYTHING THAT BENEFITS FROM NETWORK CONNECTION WILL BE CONNECTED

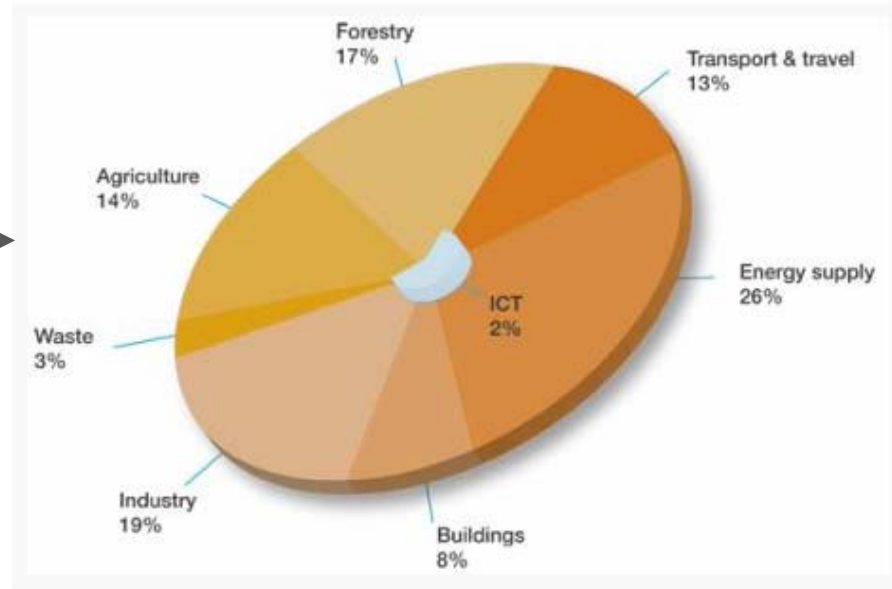


Source: Ericsson

# ADDRESSING THE CLIMATE CHALLENGE

- › ICT responsible for 2% of global CO<sub>2</sub> emissions
  - Mobile telecom is only about 0,2% of CO<sub>2</sub> and fixed 0,4%

*Our focus to reduce our own footprint*



- › ICT key to reduce the other 98% of CO<sub>2</sub> emissions
  - The enabling effect

*Our focus on enabling solutions*



# FORMULA FOR MODERNIZING AND OPTIMIZING



Minimize energy – Maximise traffic

# A PRACTICAL EXAMPLE: ERICSSON TOWER TUBE

- ›Less Space Required
- ›Uses Air Flow for cooling
- ›Protection from environment
- ›Ericsson Energy Efficient Technology
- ›Soon with wind power
- ›An investment in the future

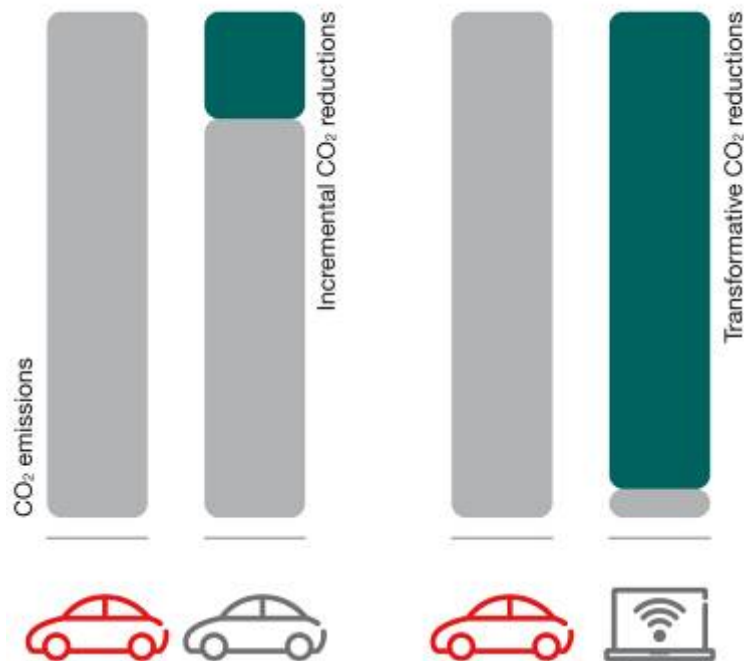


Could Government Encourage A Cleaner Approach?



# OUR FOCUS ON ENABLING, TRANSFORMATIVE SOLUTIONS

INCREMENTAL AND TRANSFORMATIVE CHANGE



15% CO<sub>2</sub> savings ~ €600B by 2020

# EXAMPLES OF OUR ASSESSMENT OF ENABLING EFFECTS

- › E-health system in Croatia connecting 2400 primary healthcare teams providing e-referrals and e-prescriptions
  - Potential reduction factor:50



- › Telia Sonera Sweden "Smart work" 2001-2007
  - Office space reduction ~ 50% per employee
  - Travel reduced by ~ 40% - ~ 75% per employee





# WEATHER INFO FOR ALL - WIFA



## › Challenge

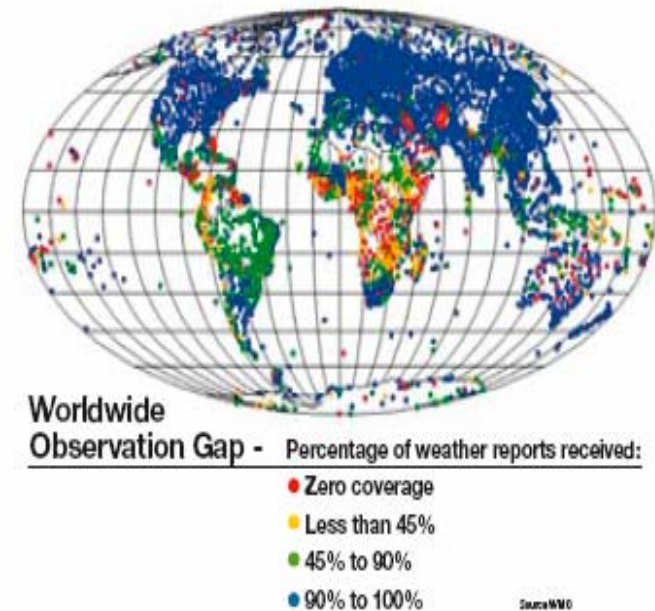
- Climate change is drastically altering weather patterns and threatening people's lives and livelihoods
- In Africa, the situation is worsened by the limited availability of accurate weather information

## › Objective

- Installation and inspection of 5000 Automatic Weather Stations at new or existing telecom sites in Africa
- Provide end users with applications to enhance life based on weather data
- Bring the network operators in Africa into the initiative

## › Partners

- World Meteorological Organization & ACMED
- Ericsson
- Mobile operators
- The Earth Institute



# 50 BILLION CONNECTED DEVICES IN THE WORLD BY 2020



**Everything that benefits from a network connection will have one**

# CONCLUSIONS

- › Energy efficiency key
- › The ICT is part of the solution for the overall challenge
- › Transformative change will take time, but have the largest and most sustainable impact.
- › ICT can impact all kind of Climate change



TIME TO ACT NOW



**ERICSSON**