

Orange committed to reduce its CO₂ emissions

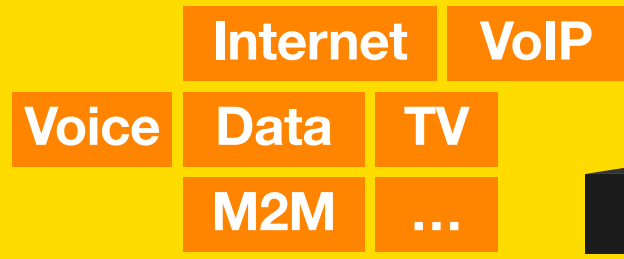
Our goal?

-50% CO₂

emissions by customer use by 2020 (relative to 2006)



What do we mean by "customer use"?



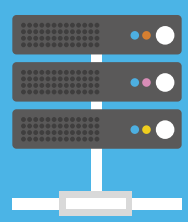
For instance...

Subscribing to a triple play ADSL offer = 3 uses **Internet** + **VoIP** + **TV**

Subscribing to a mobile 3G plan = 2 uses **Voice** + **Data**

Where do our CO₂ emissions come from?

68.2%
Technical equipment (networks, data centers)



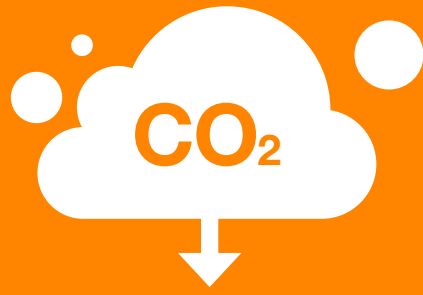
22.6%
Buildings



10%
Vehicle fleet and business travel



Energy consumption
5,889GWh



Already **-48%** CO₂ emissions per customer use from 2006 to 2016

Fleet

Target: average emissions of 130g CO₂/km for our 31,000 vehicles

- + Electric and hybrid vehicles
- + Car-sharing
- + Eco-driving training



Business trips

Limit business trips thanks to videoconferencing, teleconferencing and remote collaborative work solutions

2h intercontinental telepresence conference = **20** times less CO₂ than a round-trip plane journey

Buildings

Consumption monitoring

Construction / operation of buildings with high environmental quality standards



Our Green ITN 2020 programme

More energy-efficient IT and networks



Equipment renewal



Network architecture optimisation

Server virtualisation

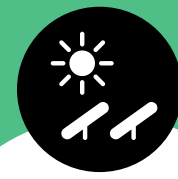


Up to **80%** less energy

Innovative data center climate control



3 times less energy



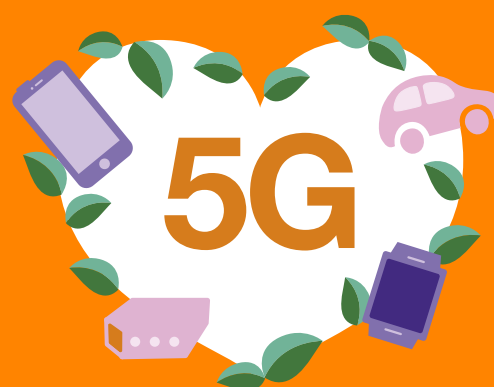
Solar Energy

Over **2,800** solar sites saving 80,000t of CO₂ per year

3 solar farms in Jordan will produce 34 MWh per year

Tomorrow? More use, even less CO₂

New "greener" networks"



The full potential of digital technologies



Individual eco-responsibility

Telepresence, teleworking, telemetering...

Clean mobility



Fleet management, smart guidance and parking...



Smart Cities

Better planning of energy infrastructure thanks to Big Data

Cloud



Mutualising business IT infrastructure

