

Delivering ICT's Climate Impact: Data, Methods and Country Experiences :From Methodology to Practice: Applying ITU-L.1480



WSIS
FORUM 2026

6-10 July 2026
Geneva, Switzerland

Orange how to Lead the Carbon Transition the road to Net Zero.

WSIS session on 09 July 2026, Geneva

Philippe Tuzzolino

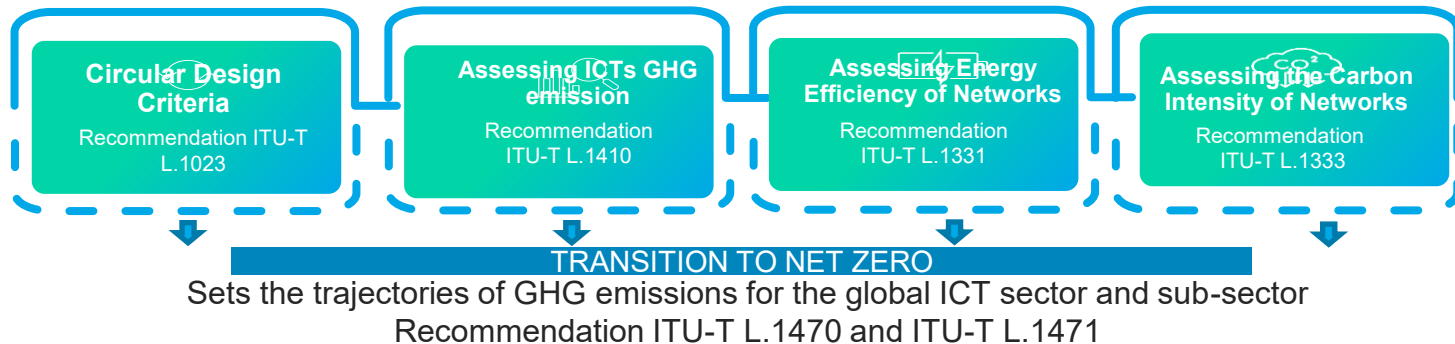
Orange Group

VP Environment



ICT sector's commitment to 1.5°C and the Sustainable Development Goals

ITU-T Standards Driving Sustainable ICTs



Strengthening Collaboration and Implementation of Standards :

Call to action: Support the current ongoing work

L.FCC
Energy consumption management and optimization platform

L.IEDL
Energy saving strategy for deep learning computing

L.TR_TA_GC
Testing and Assessment method of Green Computing Power

L.MM_Computing_power
Computing power efficiency matrix and measurement methodology

L.Env_DC
Guidelines on Multi-Dimensional Environmental Metrics and Management for Data Centres

L.CFSP
Guidelines for the assessment of the carbon footprint of Software products

L.EnvAI:
Guidelines for Assessing the Impact of Artificial Intelligence on Environment

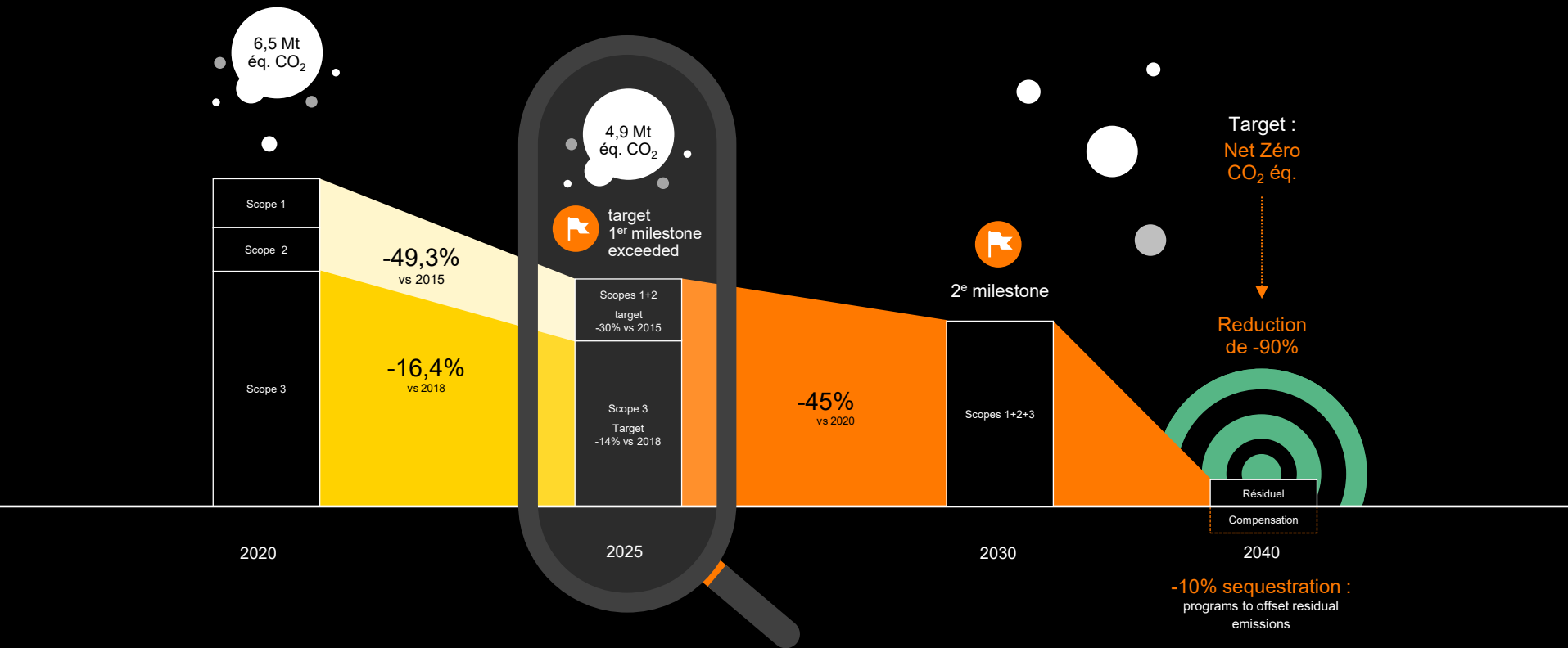
We need cooperations and coalitions :

Governments
/Regulators/Private sector :
Operators, Manufacturers, Vendors/Academia ,Research Institutions/ UN Agencies and SDOs such as IEEE, ISO.



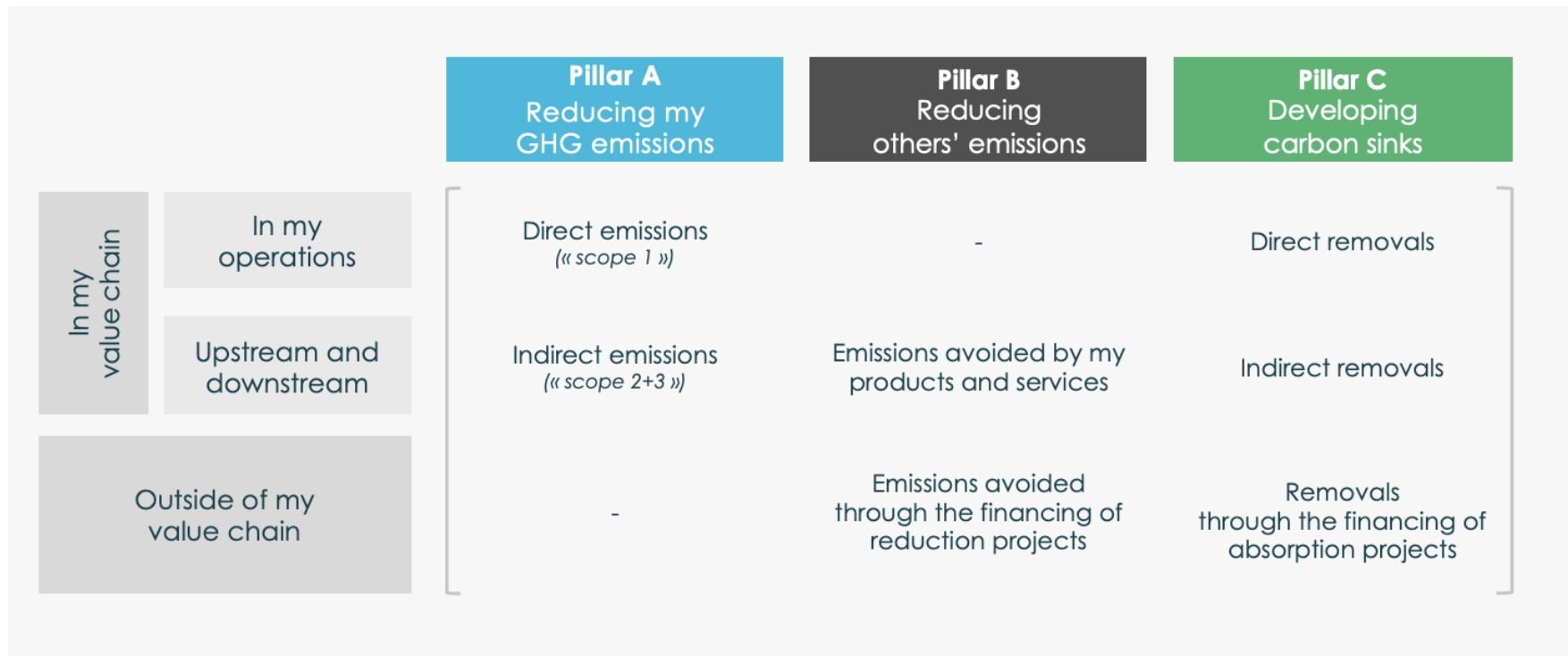
2025 targets exceeded

Orange's carbon emission reduction trajectory has been validated by SBTi



Our reference: GHG Protocol

The three pillars, of course, are independent and must not be added or subtracted

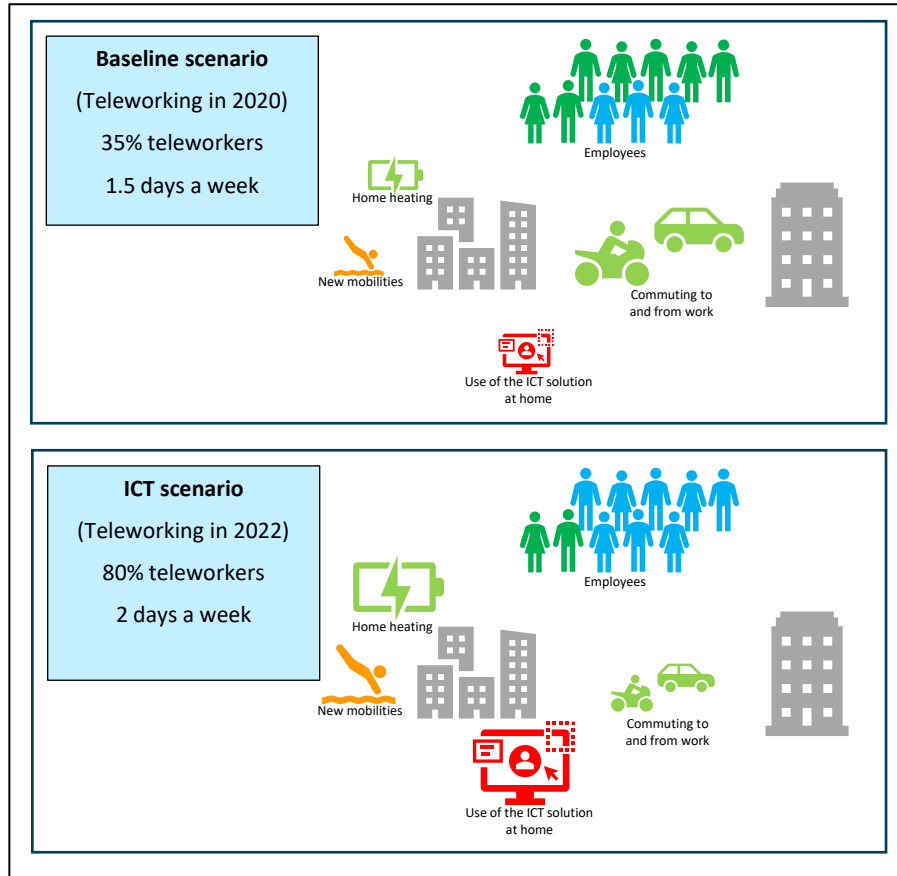


ITU-T L.1480 : How to proceed ?

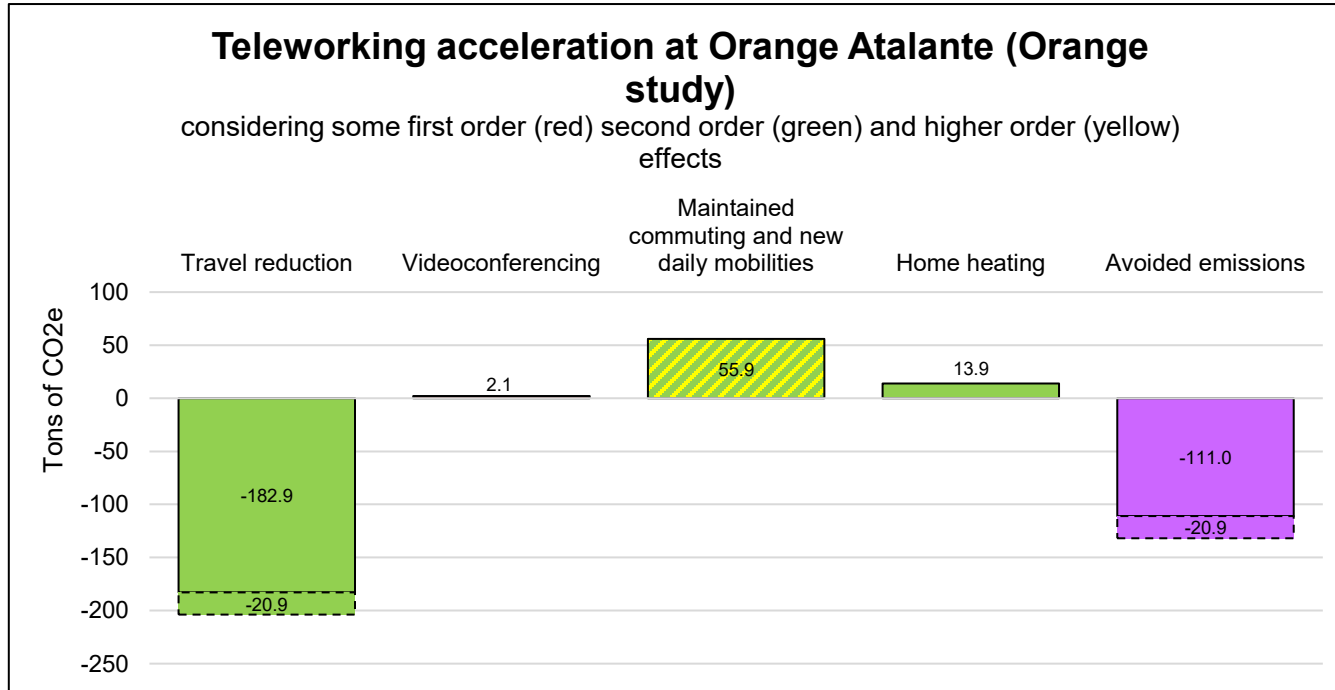
Six steps to assess the impact of the use of an ICT solution

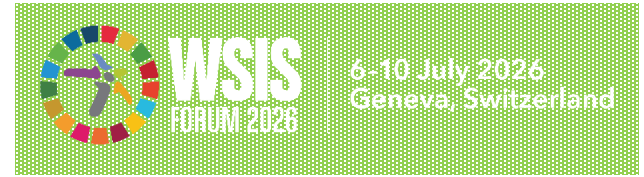
General guidance on ICT solution assessment	
11.1 Define the goal of the assessment	
11.2 Scoping	
11.3 Modelling, data collection and calculation.....	
11.4 Interpretation of results.....	
11.5 Reporting	
11.6 Critical review	

An example of a detailed Tier 1 study by Orange (1/2)



An example of a detailed Tier 1 study by Orange (2/2)





Thank You !