

Orange sustainability

Nov 2020



Sustainability approach

Purpose

The purpose is integrated in Orange bylaws. Orange also defined its mission: *“Our mission is to ensure that digital services are well thought-out, made available and used in a more caring, inclusive and sustainable way in all areas of our business. Orange does everything in its power to ensure people and organizations enjoy a more autonomous, secure digital life. Through the engagement and expertise of the Group’s teams, Orange employs innovative technologies and services everywhere, and for everyone.”*

Strategic Plan Engage 2025 2025 commitments

Orange purpose
As a trusted partner, Orange gives everyone the keys to a responsible digital world

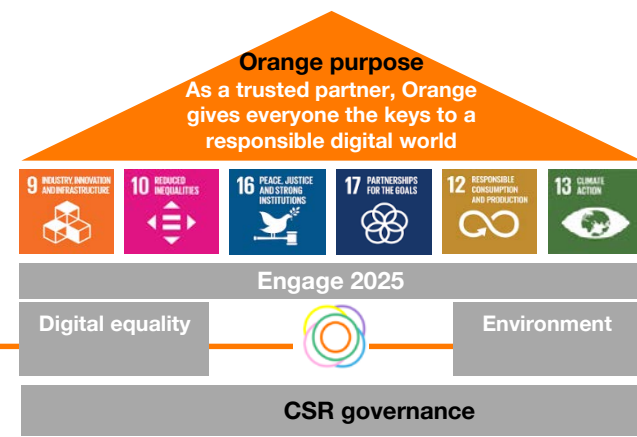


Purpose

Strategic Plan Engage 2025 commitments

CSR's governance embedded in Orange entities

Management incentive



Stakeholder Committee

Purpose Committee (to be defined)

Internal CSR governance

Board of Directors: dedicated GCSEER Committee

ExCom: dedicated Committee

Management incentive

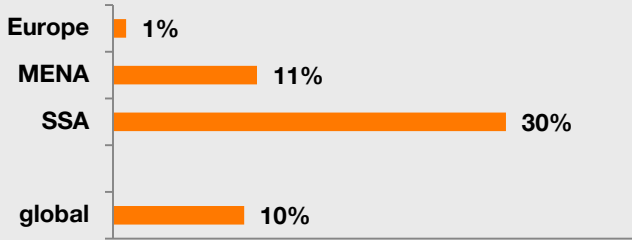
- LTIP 20% non-financial criteria (including Environmental target of CO2 reduction)
- Variable compensation for the Excom members: 33% Social criteria

Digital inclusion

Connect the unconnected

- Digital exclusion compromises access to knowledge, essential services, economic benefits (job opportunities,...)

Coverage gap



Source GSMA, Sept 2019

Commitment for digital equality (1/2)

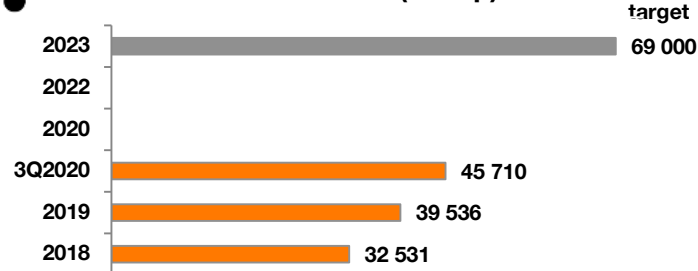
Main achievements

- Strong European leader with >46M VHBB connectable homes in 3Q2020
- 15 MEA countries covered with 4G – 31 million 4G clients end of 3Q2020
- Investment in submarine cables on the West African coast and East African coast with PEACE (operational in 2020), 2Africa project
- Leader in connectivity in Africa with Djoliba, the first pan-West African network (8 countries)
- Coverage in isolated rural areas with solar-powered radio towers

Ambitions



VHBB Home connectable (Group) 000s



Extended
4 G & 5 G
coverage



Commitment for digital equality (2/2)

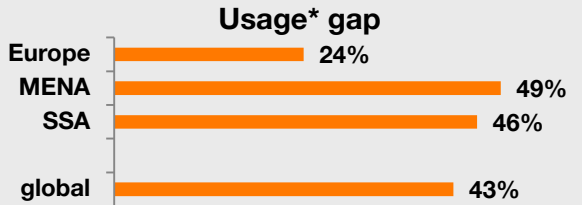
Main achievements

- Inclusive social offers and Sanza phone @ USD 20
- Orange Digital Centers: third ODC launched in 2020
- Orange Money: 47 M customer base 3Q 2020 o/w 20 M active
- Orange Bank Africa launched in July 2020 for picocredit & insurance offers
- Energy Solar Home system: commercial launch in 8 Orange countries end of 2019

Social inclusion

Improve usage and affordability for all

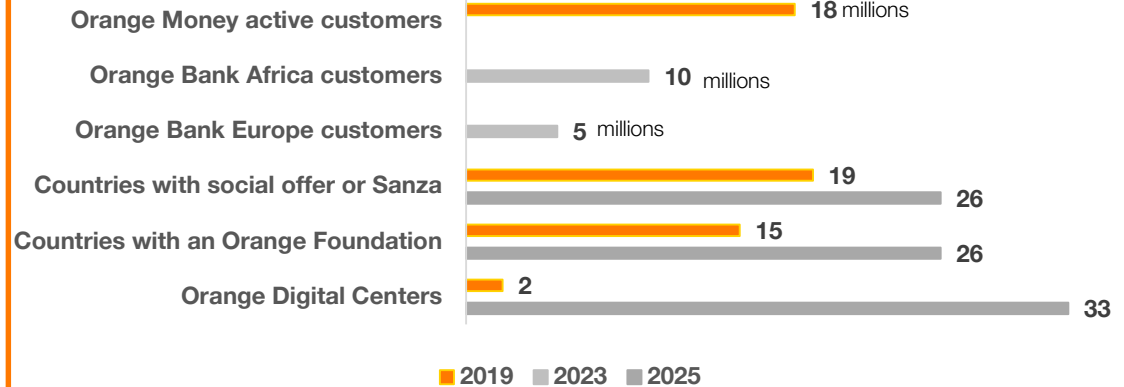
- Addressing barriers around affordability, lack of skills, and safety/security concerns



* population using internet - source GSMA, Sept 2019



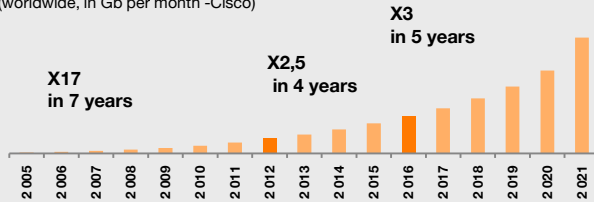
Ambitions



Committed to Environment (1/3)

Orange is committed to being Net Zero carbon by 2040 (Scope 1/2/3)

IP Traffic evolution
(worldwide, in Gb per month -Cisco)

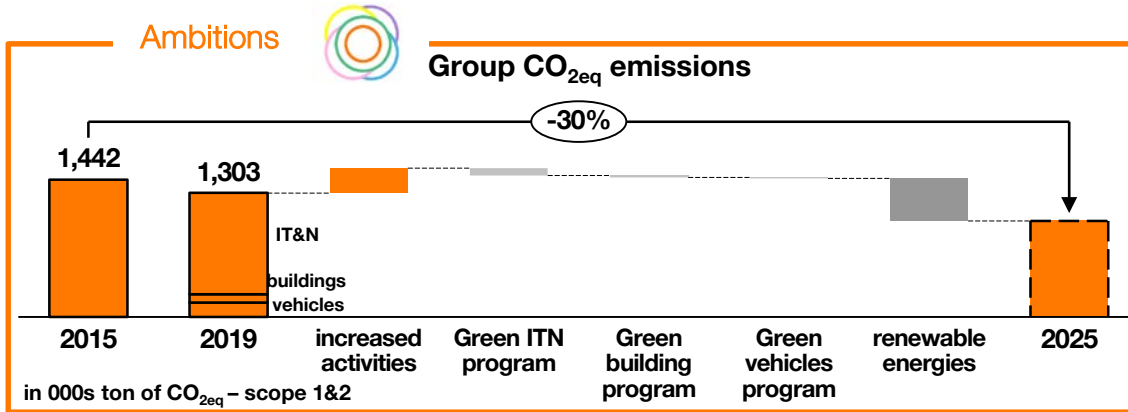


- Scope 1: emissions directly linked to our activity (equipment, buildings, etc.).
- Scope 2: indirect emissions linked to energy consumption (electricity)
- Scope 3: other indirect emissions (employee travel, transport of goods, emissions from our customers and our suppliers)

Net Zero Carbon Initiative: this standard promotes a triple entry accounting system (induced emissions, avoided emissions and negative emissions). Companies are to (1) reduce their induced emissions, (2) contribute to the reduction of emissions outside their perimeter and to the development of carbon sinks.

Main achievements

- 2,3% energy consumption reduction and drop by -5,4% of CO_{2eq} emission between 2019 and 2018
- Green IT&Network Plan for the control of our energy consumption**
 - Network architecture optimization
 - Eco efficient datacenters
 - Advance sleep mode in mobile access network (5G)
 - RAN sharing
- Building consumption reduction thanks to smart metering & AI and new environmental certified building – ISO 50001 certification in France**
- Transport emissions reduced thanks to limiting business travel, declining the size of the fleet, promoting electric vehicles and car-sharing fleet**



Committed to Environment (2/3)

Orange is committed to being Net Zero carbon by 2040 (Scope 1/2/3)

- 
Objectives of the Paris climate agreement (warming limited to + 1.5 ° C)
- Orange is committed to covering 50% of its energy supply with electricity from renewable sources in 2025

Electricity of renewable origin / green electricity

Electricity produced from renewable sources such as solar, hydraulic, wind, geothermal or tidal energy, or even energy from biomass (wood, landfill gas, gas from wastewater treatment plants, biogas). Nota Bene: nuclear isn't included.

Carbon offset

Pay a given amount to finance projects that make it possible to deduct in theory and in the future an amount of CO2 equivalent to the CO2 already actually emitted into the atmosphere.

Carbon sequestration

Capture and storage of carbon from the atmosphere in carbon sinks such as oceans, forests, soils or technological processes, through physical and biological processes such as photosynthesis.

Main achievements

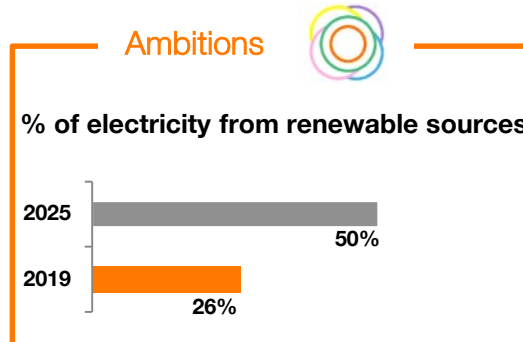
- Electricity supply from renewable sources from internal production
 - ✓ Significant energy price reduction
 - ✓ Improvement of energy supply reliability / off grid energy supply

ESCo already operational in DRC, Guinea, Côte d'Ivoire, Burkina-Faso, Liberia → Orange solar energy for 4,750 radio sites in MEA

Solar farms in Jordan

- Electricity supply from renewable sources from PPA*s
 - ✓ Securing a long-term competitive fixed price against volatility from the market

* Power Purchase Agreement



Choice of sequestration over carbon offset for the Groups' residual emissions

Progressive ramp up of sequestration with carbon sinks program (Target 2040)

Committed to Environment (3/3)

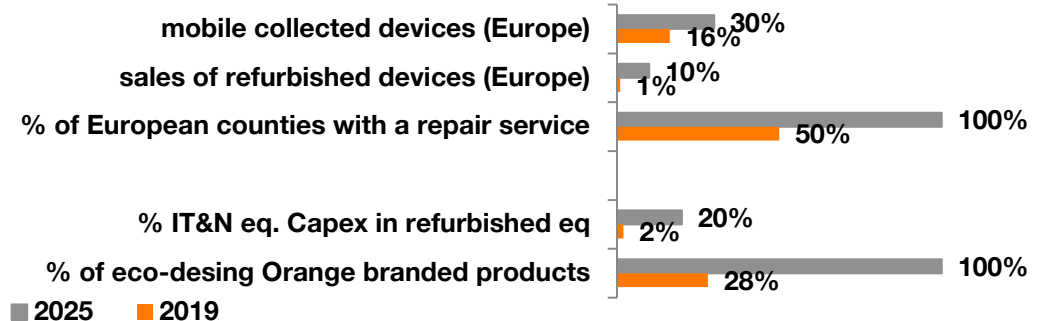
Orange is committed to strengthening its positions in the circular economy

Main achievements

- Eco-designed Livebox5 and environmental footprint reduced by -29%
- Attractive repair service in Spain, Poland, Romania, Slovakia
- Promotion of responsible usages: “We all have great power. We all have great responsibility”
- Supply chain involvement with JAC support to provide IT& network refurbished equipment
- Internal marketplace for the resale of refurbished equipment
- Purchase of refurbished equipment promoted in RFP processes



Ambitions



Personal data protection e-privacy

Orange
Cyberdefense

Sustainability approach (1/3)



Main achievements

- **Orange key strengths for data protection**
 - ✓ Leveraging on size with an organization directly reporting to CEO for internal data and cyber services provided to third parties
 - ✓ Orange Cyber Defense is a European leading service provider with € 700 million revenues in 2019
 - ✓ Over 2 300 cyber experts and a cyber protection school
 - ✓ Full compliance with the GDPR
- **Commitments to ensure a trustworthy and ethical use of big data**
 - ✓ Alignment with European « Recommendation for Ethics Guidelines for trustworthy AI »
 - ✓ Signatory of AI inclusive charter with Arborus and Impact IA

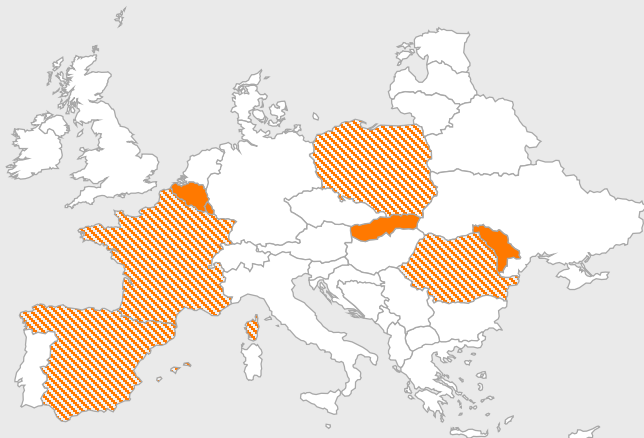
Ambitions



**Orange Cyberdefense to continue to grow as a
global provider and European leader**

Enhancing global protection with local expertise 24/7/365

5G networks



- Orange 4G Country
- Orange 5G Country

Key elements to consider

- **Improved connectivity**
 - ✓ More speed in dense areas to supplement overloaded 4G networks
 - ✓ Better outdoors connectivity
 - ✓ From 2023 strong improvement in network latency to massively connect objects, so as to offer new smart services
- **Improved energy efficiency**
 - ✓ Energy consumption 2 times less vs 4G to carry 1 Giga of data at launch (10 times less in 2025 and 20 times less in 2030)
 - ✓ Development of IT4Green for B2B and B2B2C (“Enablement effect”)
- **Responsible Conduct**
 - ✓ Compliance with protective threshold for health defined by the International Commission for the Protection against Non-Ionizing Radiation (ICNIRP)
 - ✓ Double sourcing for equipment across our footprint
 - ✓ No need to build additional public mobile sites specifically for 5G during Engage 2025 Plan
 - ✓ Vast campaign including buyback to promote mobile device collection



Orange Vigilance Plan: action levers for a responsible supply chain



A 5 pillar model

**Clear
CSR
commitments**

*Which apply to
all suppliers*

**Strong
CSR
culture**

*Built through
CSR training for
buyers*

**Effective
manage-
ment of
CSR
risks**

*Based on CSR
assessments
and supplier
audits*

**Actively
seeking
out
opportu-
nities**

*Through
dialogue with
subsidiaries and
suppliers*

**Transpa-
rent
reporting
on the
CSR
maturity**

*Of all
subsidiaries*

Sustainability approach (3/3)

Main achievements

- **Vigilance plan* risk mitigation deployed across the Group and the supply chain (75,000 active suppliers) on :**
 - ✓ **Human rights and fundamental freedoms**
 - ✓ **Health and Safety**
 - ✓ **Environment**
- **A common governance and tools across the Group**
 - ✓ **Group risk mapping declined at entity level for local mitigation action plan**
 - ✓ **Suppliers and subcontractors assessment with dedicated tools supplemented by the Group**
 - ✓ **Industry wide partnership to audit and implement corrective measures (Joint Alliance for CSR) on CSR issues – more than 600 audits since 2010 leading to working condition improvement of c. 1.3 million workers.**

Ambitions



- **Share best practices along the value chain to promote sustainable development**
- **Support strong partnerships through thorough knowledge of the supply chain**

* In compliance with the French law n°2017-399 on the Duty of Vigilance

Conclusion

Recognized ESG performance



CLIMATE



Additional CSR information is available here: <https://gallery.orange.com/rse>

Disclaimer

This presentation contains forward-looking statements about Orange's social and environmental responsibility commitments and strategy.

Although we believe these statements are based on reasonable assumptions, they are subject to numerous risks and uncertainties and there can be no assurance that anticipated events will occur or that the objectives set out will actually be achieved.

More detailed information on the potential risks that could affect our social and environmental responsibility commitments and strategy is included in the Universal Registration Document filed on 20 April 2020 with the French Financial Markets Authority (AMF).