

# Helped combat climate breakdown

## 01

### Agreements to purchase electricity from renewable sources in Europe

→ We strive to reach net zero carbon emissions by 2040, which is why we make increasing use of renewable energies. The Group aims to meet over 50% of its electricity needs with power generated from renewable sources by 2025, compared with 31% in 2020. In 2020, we signed several Corporate Power Purchase Agreements (PPAs), the first of which in France was concluded with Boralex and came into effect on 1 January 2021 for a five-year period. Boralex will supply Orange with 67 GWh of green electricity each year generated by the Ally-Mercœur wind farm in south-central France. In Poland, we signed a 10-year PPA with wpd AG that will also come into effect in 2021. Two wind farms will supply Orange Poland with 500 GWh of green electricity over the course of the contract. Furthermore, in Spain, we signed an agreement with Iberdrola, which from late 2020 will supply 200 GWh of green electricity every year for 12 years. Generated by a solar farm in Extremadura, the electricity will power over 9,000 facilities.

## 02

### The first sustainability bond worth €500 million

→ In 2020, the Group entered the sustainability bond market by issuing its first bond to the value of €500 million, due to mature in nine years with an annual coupon rate of 0.125%. More than five times oversubscribed, the bond issue proved to be highly attractive to socially responsible investors in France and around the world, enabling Orange to expand its investor base and continue to optimize its finance structure. We intend to invest around 60% of the funds raised to projects relating to energy efficiency and the circular economy and the remaining 40% will be allocated to projects to promote social and digital inclusion. The chosen projects will be reviewed by the Sustainable Finance Committee and the funds allocated will be audited each year until the bond matures. Investors will be informed annually regarding the impact of their investment.

## 03

### Data centers that consume less energy

→ Our Green ITN action plan launched in 2008 continued in 2020 with the “Green program” built around our commitments for 2025. It harnesses a number of new tools to enable the Group to better control its energy consumption, including artificial intelligence, advanced standby mode and

enhanced active network sharing. Furthermore, we have sustained efforts to improve the energy performance of data centers at new facilities, such as in Antwerp, Belgium, which cools servers using air from outside to reduce the need for conventional air conditioning. This innovative “free cooling” technology will also be deployed in the Normandie 2 data center in northern France following the positive results obtained at the first facility operating on the site. Meanwhile, Orange Poland began construction on the Warsaw Data Hub in 2020, which will also be equipped with this cutting-edge technology.

## 04

### SIM cards that use less plastic

→ In 2020, Orange Belgium joined other entities in the Group by launching its new “Half-ID” SIM cards, where the surrounding casing uses half the amount of plastic of standard SIM cards. These “Half-ID” SIMs are available in 17 of the Group’s operating countries throughout Europe, Africa and the Middle East. By the end of 2021, 100% of our SIM cards will come in this format, with a view to avoiding up to 300 metric tons of plastic each year. Orange Belgium also markets eco-SIMs, which are made from fully recycled plastic.

## 05

### Making customers aware of their digital footprint

→ Available since December 2020 on the customer account page as well as the two apps Orange et moi and My Sosh, the “Carbon footprint” service gives the 14 million Orange and Sosh customers in France the opportunity to quantify the

carbon equivalent of their digital habits on the mobile network. This feature also informs people of best practice they should adopt to become more eco-friendly by minimizing the environmental impact of their phone and other connected devices. Through this initiative, we not only raise awareness but also offer tangible solutions that people can put into practice in their daily lives.

## 06

### Orange proposes sustainable digital solutions at the ChangeNOW Summit

→ Partnered by Orange, the ChangeNOW Summit represents the world’s largest positive impact gathering to create a powerful ecosystem and source solutions to the biggest social and environmental challenges posed by digital technology. Held in Paris from 30 January to 1 February 2020, the event was attended by 20 start-ups who have joined Orange’s various support programs in France, Italy, Senegal, Tunisia, Côte d’Ivoire, Japan and Taiwan. For example, Map Action, a start-up from Mali, presented a tool that maps problems related to water management, sanitation and wastewater to the public sector and local authorities. While Enerbrain, an Italian start-up, identified potential clients for its Internet of Things solution that improves the energy efficiency of buildings. The ChangeNOW Summit also gave Orange the opportunity to communicate about the various initiatives up and running throughout the Group to control and reduce its own environmental footprint and the solutions it is putting in place to reduce the impact of digital technology, such as recycling mobile phones.