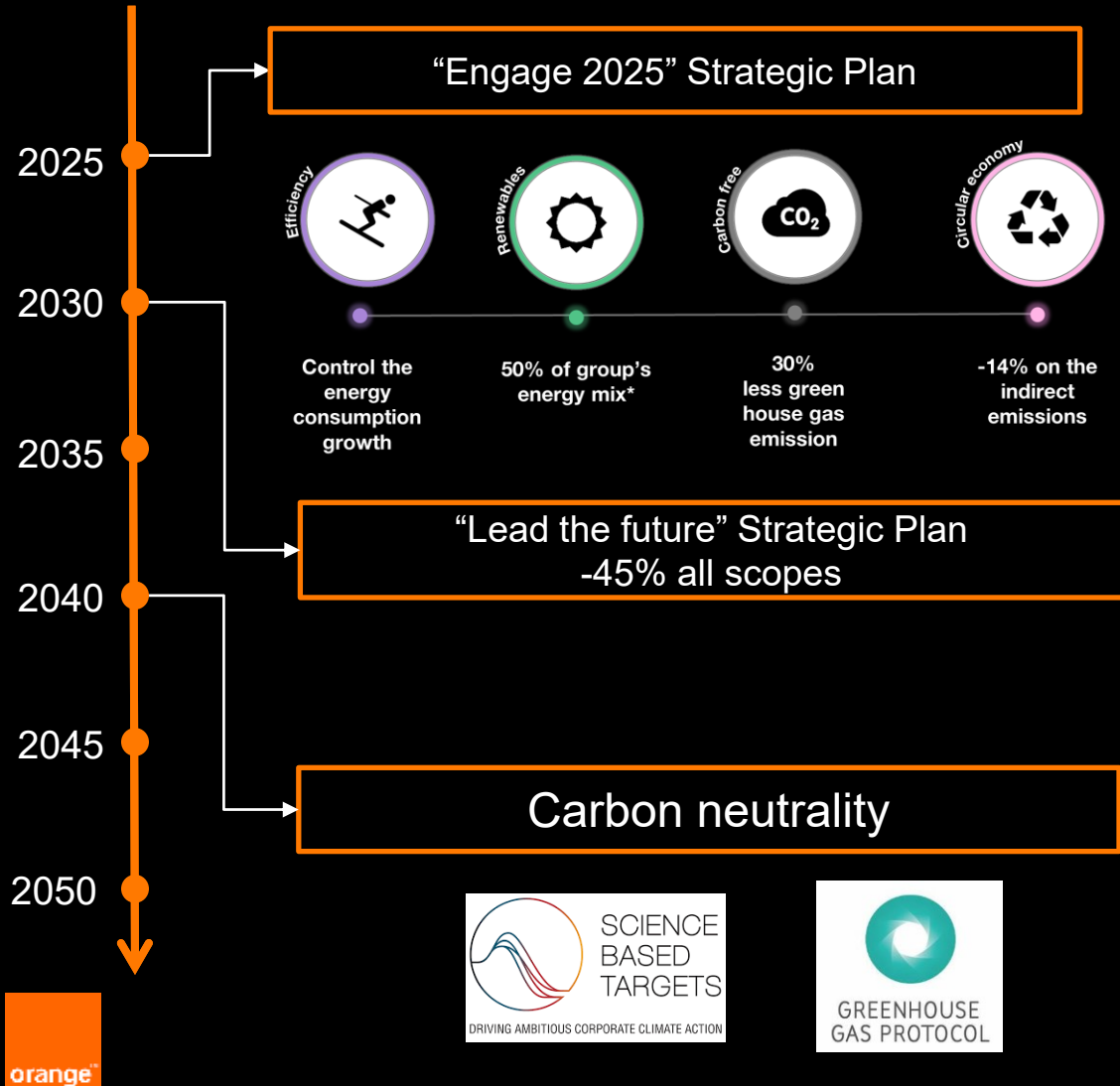


# Fighting global warming the role of Telecom

Azeddine GATI

# Orange commitment

[See Orange CEO - The European Files](#)

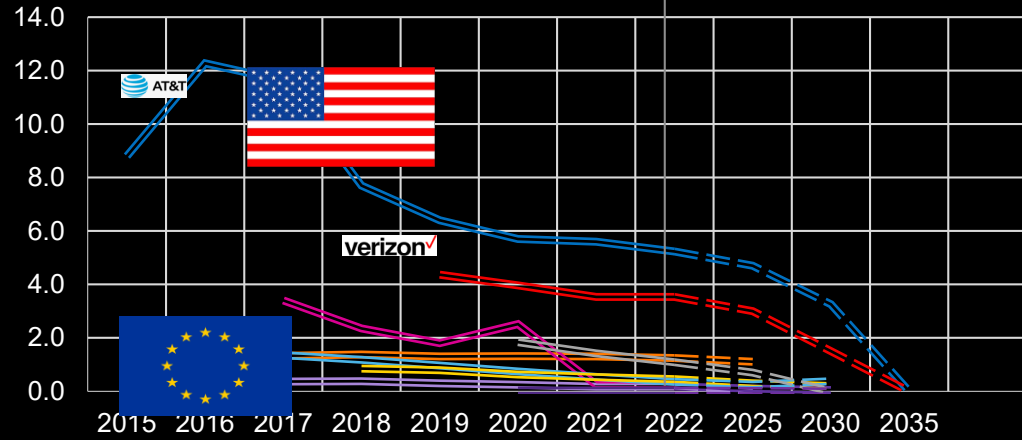


Country	Operators	CDP Score - 2022	Near-term target (2025/2030)	Net-zero target (2040/2050)
USA	AT&T	A	2030 TARGETS SET	NA
	Verizon	B*	2035 TARGETS SET	NA
China	China Mobile	A-	NA	NA
	China Telecom	B	NA	NA
EU	Deutsche Telekom	A	2025 TARGETS SET	2040 COMMITTED
	Proximus	A	2030 TARGETS SET	2040 TARGETS SET
	Telefonica	A	2025 TARGETS SET	2040 TARGETS SET
	TIM	B	2025 TARGETS SET	NA
	BT Group	A	2030 TARGETS SET	2040 COMMITTED
	Vodafone	A	2030 TARGETS SET	NA
	Orange	A-	2025 TARGETS SET	2040 COMMITTED
	Bouygues Telecom	B	2027 TARGETS SET	NA
France	Iliad	C	2035 TARGETS SET	NA
	SFR	F**	NA COMMITTED	NA

Worldwide Operators commitment

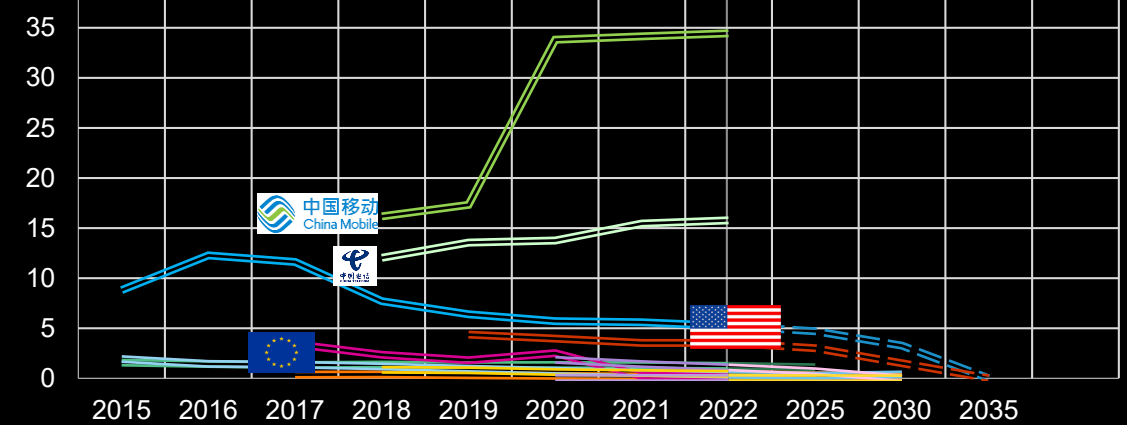
# Scope 1 & 2 involving operators (fix + mobile) energy consumption for operations are maintained under control (except in china) thanks to energy efficiency and renewables

SCOPES 1&2 (MT CO2)



Chinese telecoms are the main emitters around the world and they are increasing their emissions: no target set, no commitment planned

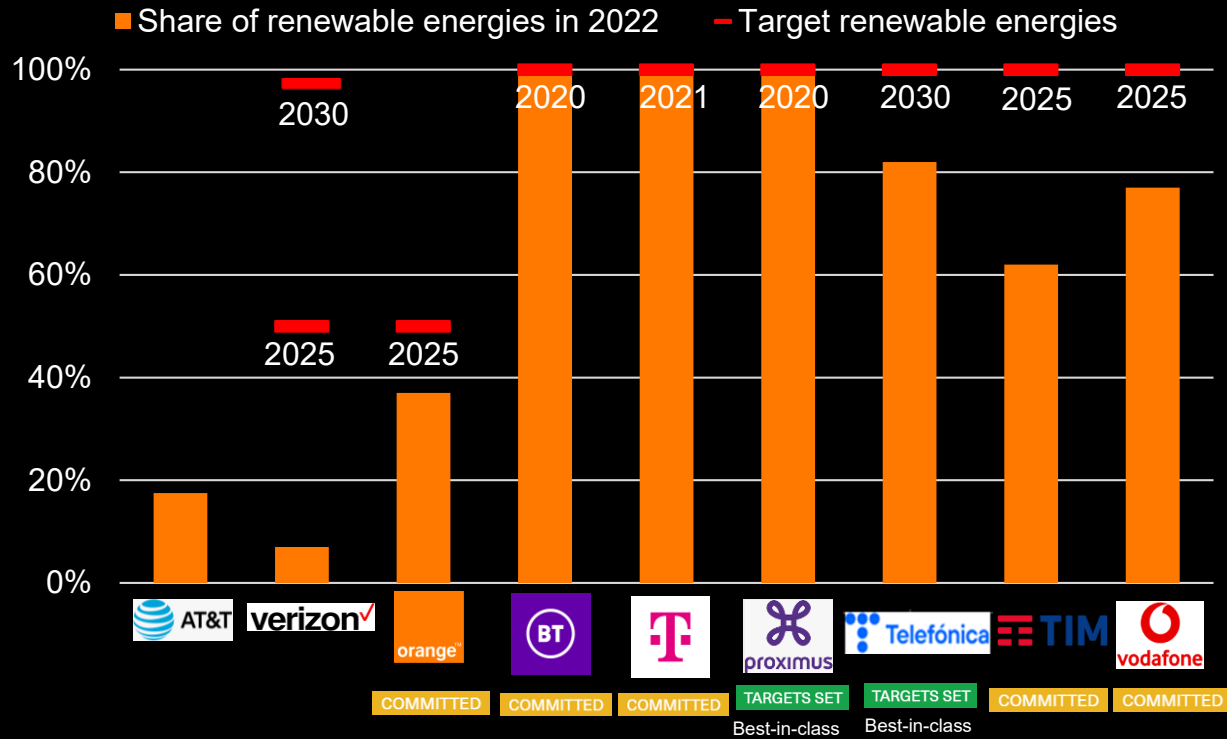
SCOPES 1&2 (MT CO2)



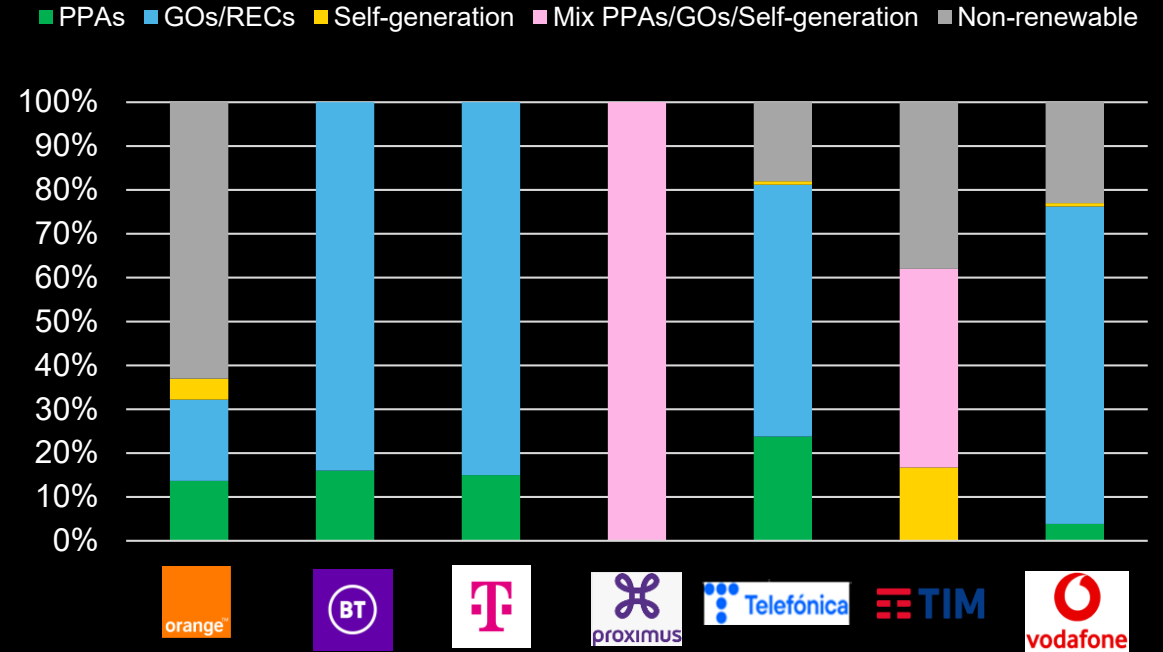
The main influencing factor still 5G rollout and new sites for rural coverage

# Renewable energies are the key to reduce scopes 1&2 and their shares in the energy mix of the operators are already significant

Renewable energy shares – Current and Targets



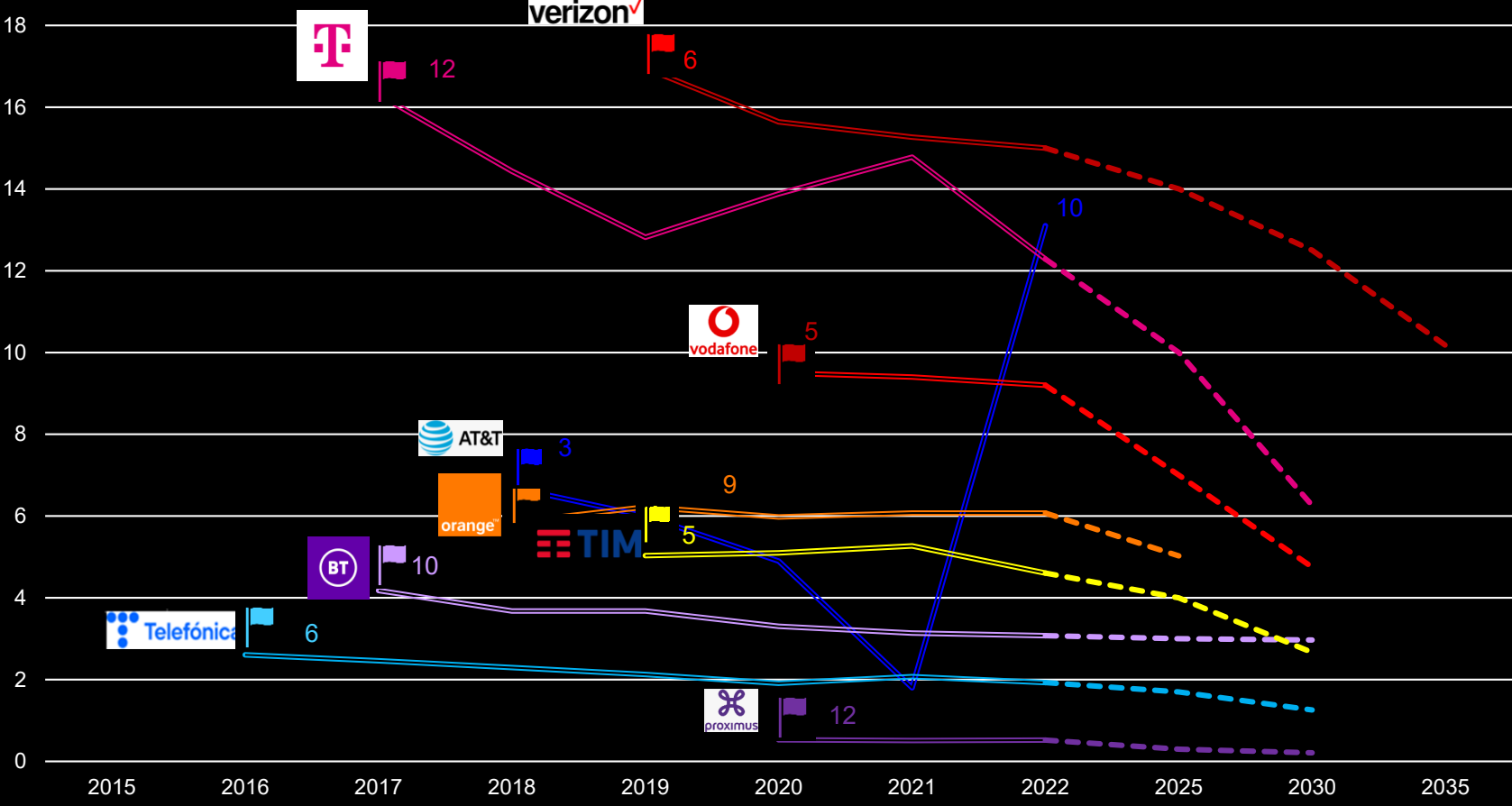
Energy mix in 2022



GOs: Guarantees of Origin  
 REC: Renewable Energy Certificates  
 PPAs: Power Purchase Agreements

# Scope 3 still influenced by the number of reported GHG categories but there is a steady decline in scope 3 emissions

Scopes 3 evolution (MtCO2e) and the number of published GHG protocol categories

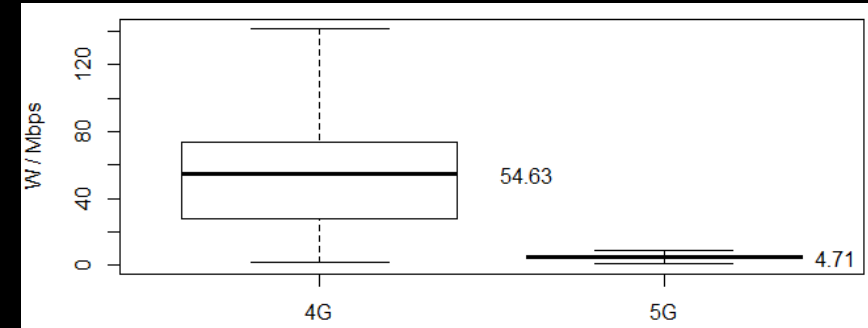


The numbers above the curves corresponds to the numbers of GHG categories

Chinese operators do not publish their scope 3 at all !

# What is specific to Telecom industry

Energy efficiency is not enough for meeting EU trajectory towards Net zero



Renewables are important but how about other impacts (water, raw material,..)

Harmonize KPI and create incentives for reducing scope3 emissions (refurbished, recyclability, reparability, expected lifetime)

|  
Orange  
Innovation

Thank you

