



# The energy industry challenges towards a net zero economy

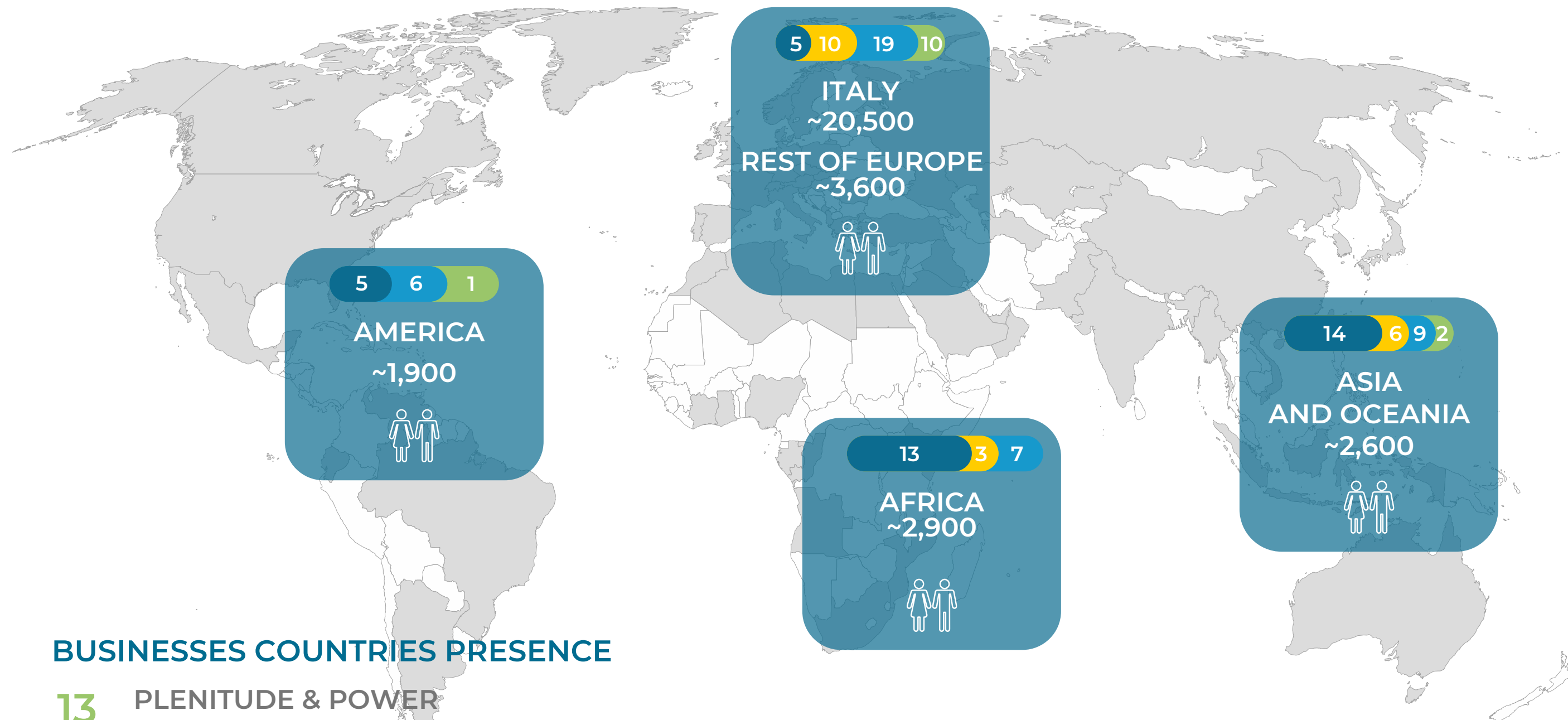
IAEE

Marco Piredda, *Head of International Affairs Analysis and Business Support*

Milan, 27 July 2023

# Eni in brief

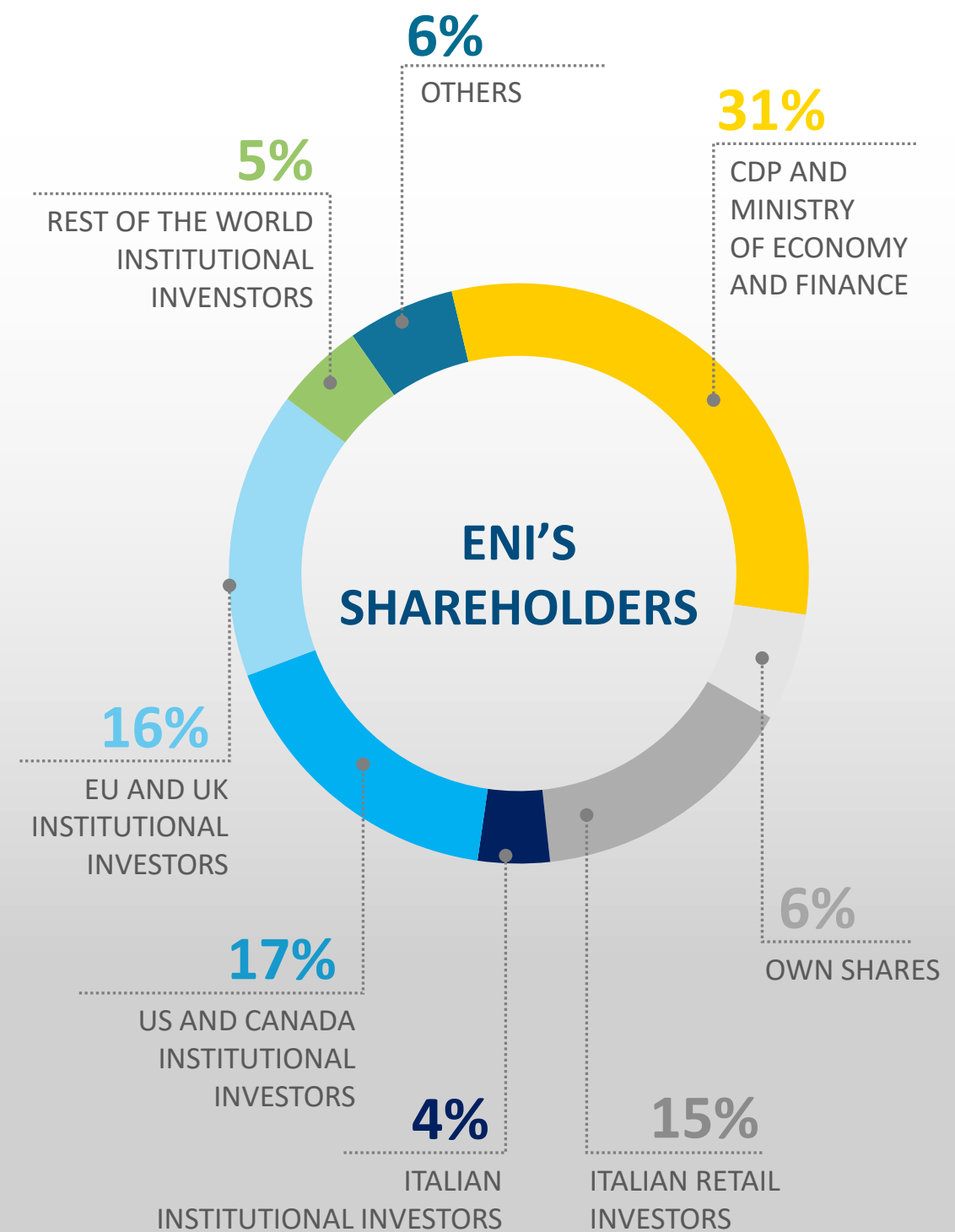
Eni's global presence



**TOTAL 32.188**

## BUSINESSES COUNTRIES PRESENCE

- 13** PLENITUDE & POWER
- 37** EXPLORATION & PRODUCTION
- 19** GLOBAL GAS & LNG PORTFOLIO
- 41** REFINING & MARKETING AND CHEMICAL (VERSALIS)

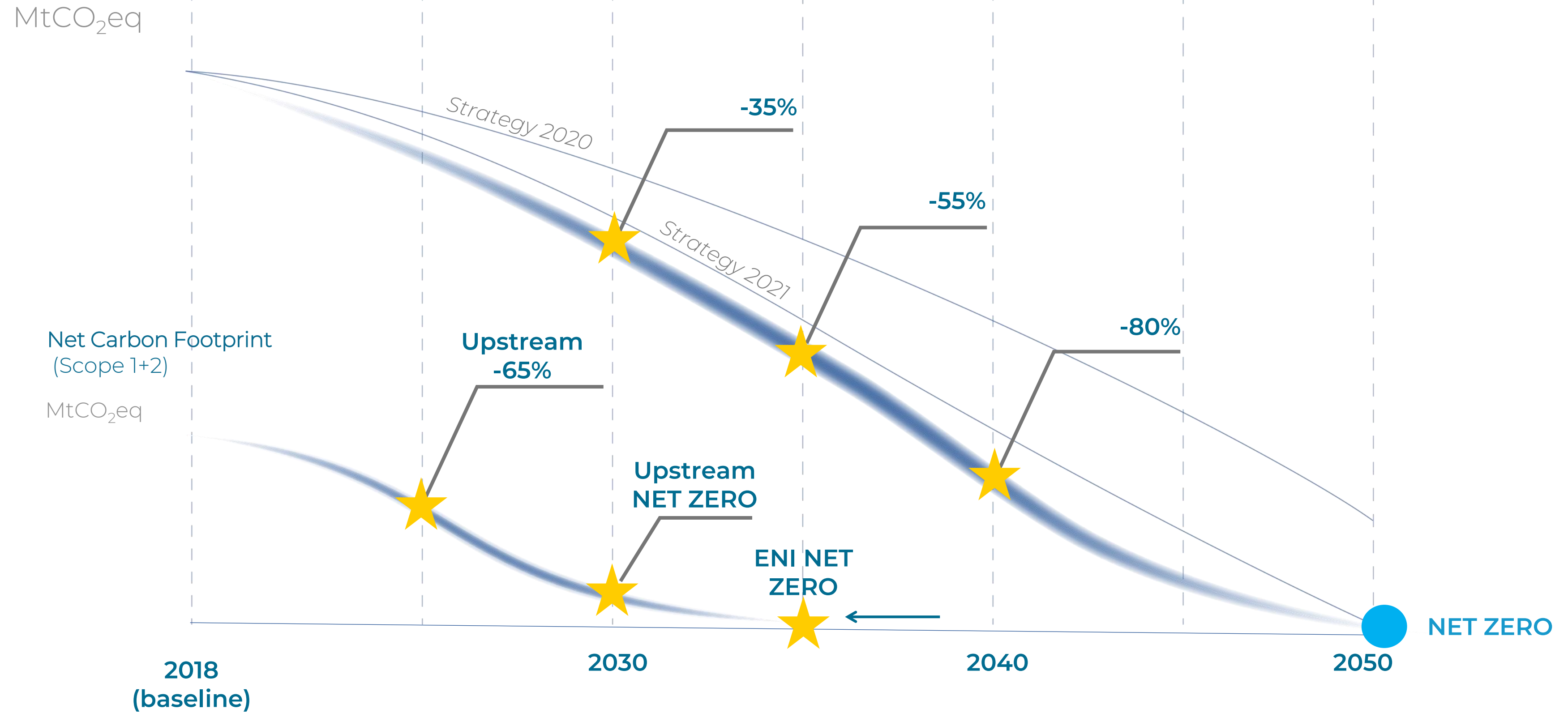


# Towards a net zero energy business



Maintained commitment on our accelerated GHG emission reduction targets

## NET ABSOLUTE GHG EMISSIONS (SCOPE 1+2+3)



# THE ENERGY TRILEMMA



**AFFORDABILITY**



- Energy mix diversification
- Geographical diversification
- Deployment of new technologies
- Gas as a bridge energy source
- New business and financing model
- Fast time to market

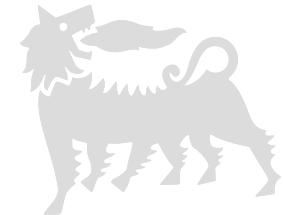


**ENVIRONMENTAL SUSTAINABILITY**



**ENERGY SECURITY**

# SUSTAINABLE MOBILITY EVOLUTION: ENI'S VIEW



## LIGHT-DUTY TRANSPORT

## HEAVY-DUTY TRANSPORT

## MARINE TRANSPORT

## AVIATION



URBAN MOBILITY

EXTRA-URBAN MOBILITY

AVAILABLE

LONG-TERM


- Bio fuel blending
- HVolution 100% HVO
- Electric charging
- Electric charging stations

- [Methane CNG – LNG]
- Bio fuel blending

- Bio-fuel HVO
- Bio-Methane CNG - LNG
- Electric charging

- Hydrogen

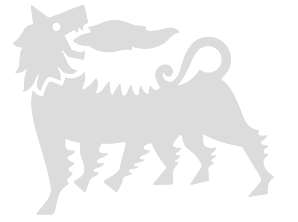
- Low sulphur content Diesel oil and bunker oil

- LNG 
- Bio-oil for mixing in Bunker
- Bio-LNG
- Renew.methanol
- hydrogen

- SAF (coprocessing)
- Bio jet fuel / e-fuels



# PROPRIETARY AND BREAKTHROUGH TECHNOLOGIES



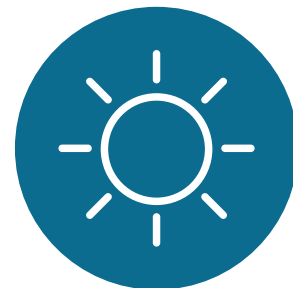
A portfolio of technologies to meet decarbonized energy needs



## DECARBONIZED SOLUTIONS

### CARBON CAPTURE UTILIZATION & STORAGE

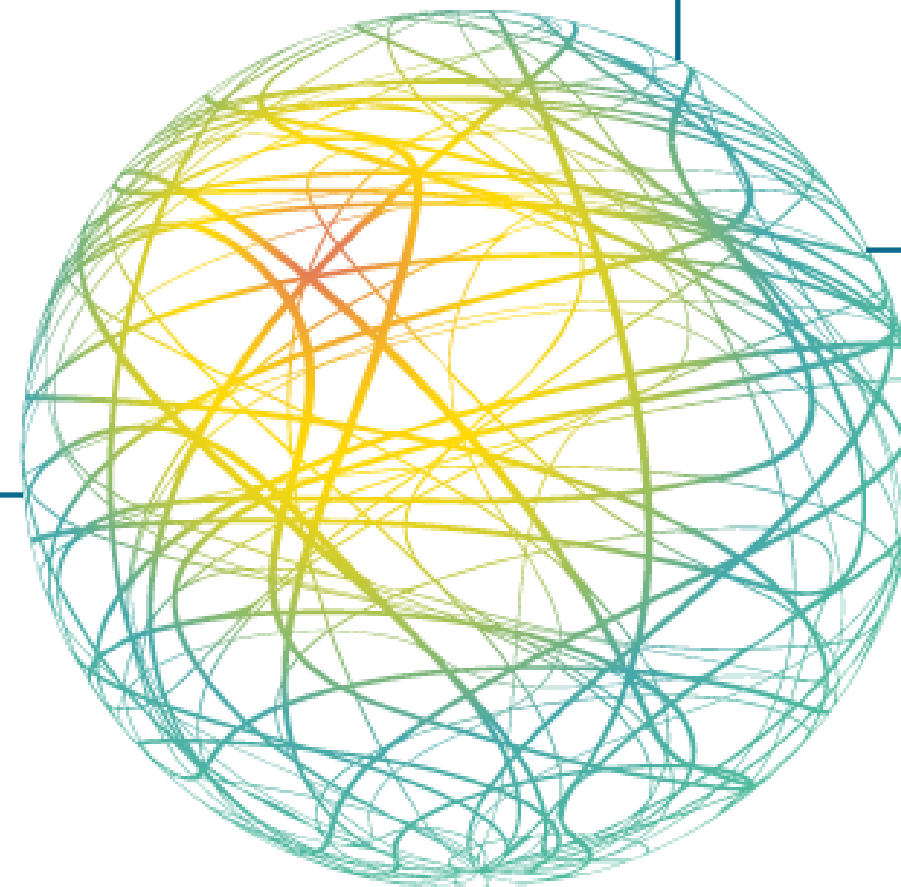
*deploying safe, easy to apply and cost-effective solutions for CO<sub>2</sub> capture, utilization and storage*



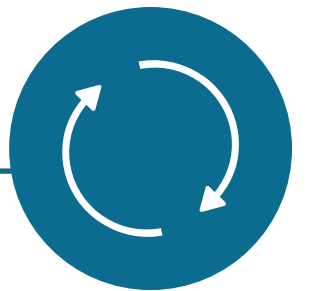
## RENEWABLES & NEW ENERGIES

### MAGNETIC FUSION ENERGY STORAGE WAVE ENERGY

*on the path to clean and reliable energy*



## CIRCULAR & BIO PRODUCTS



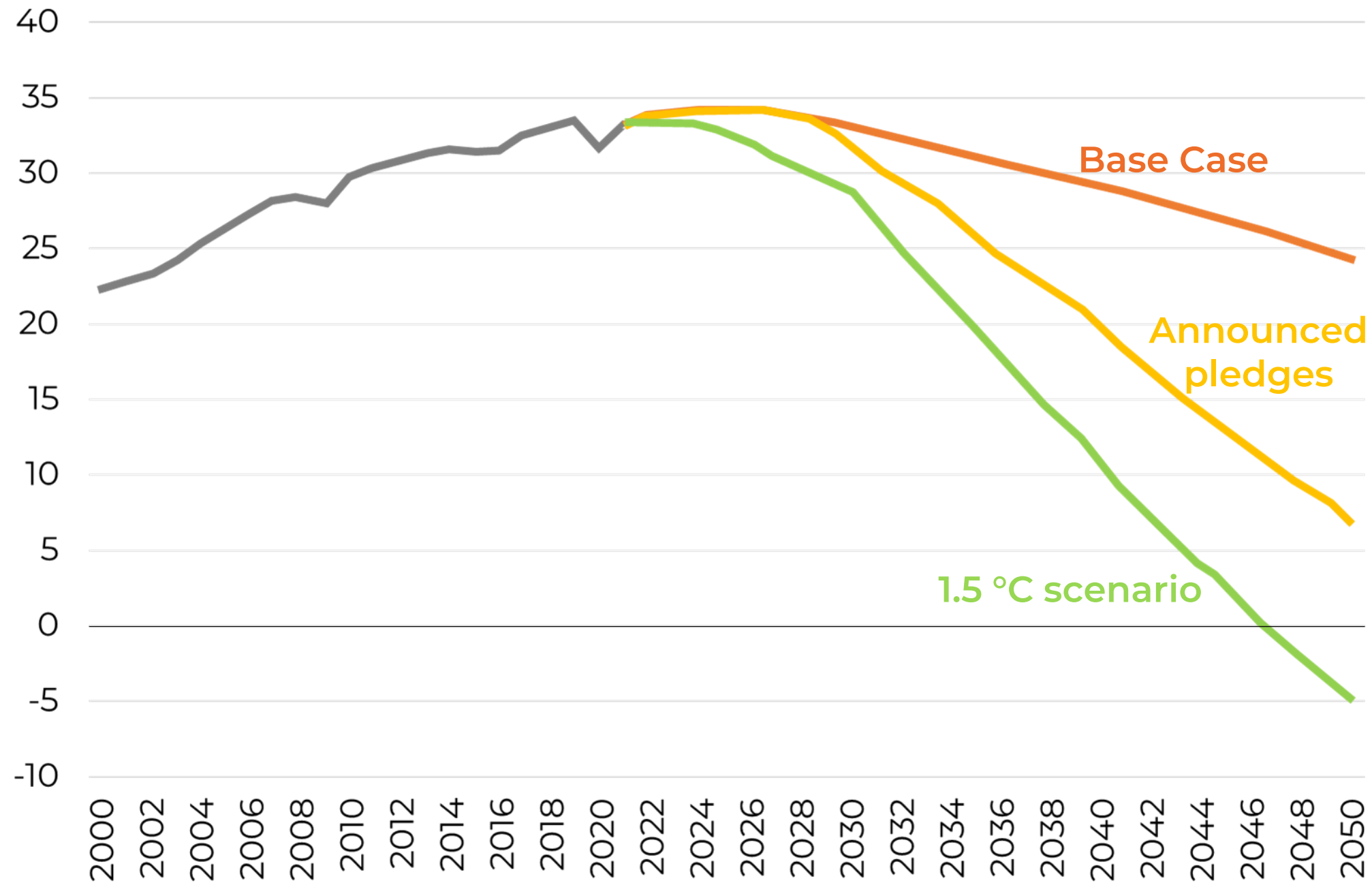
### ADVANCED BIOFUELS BIO-FEEDSTOCK HYDROGEN WASTE VALORIZATION

*for a rapid transition to low-carbon mobility and circularity*

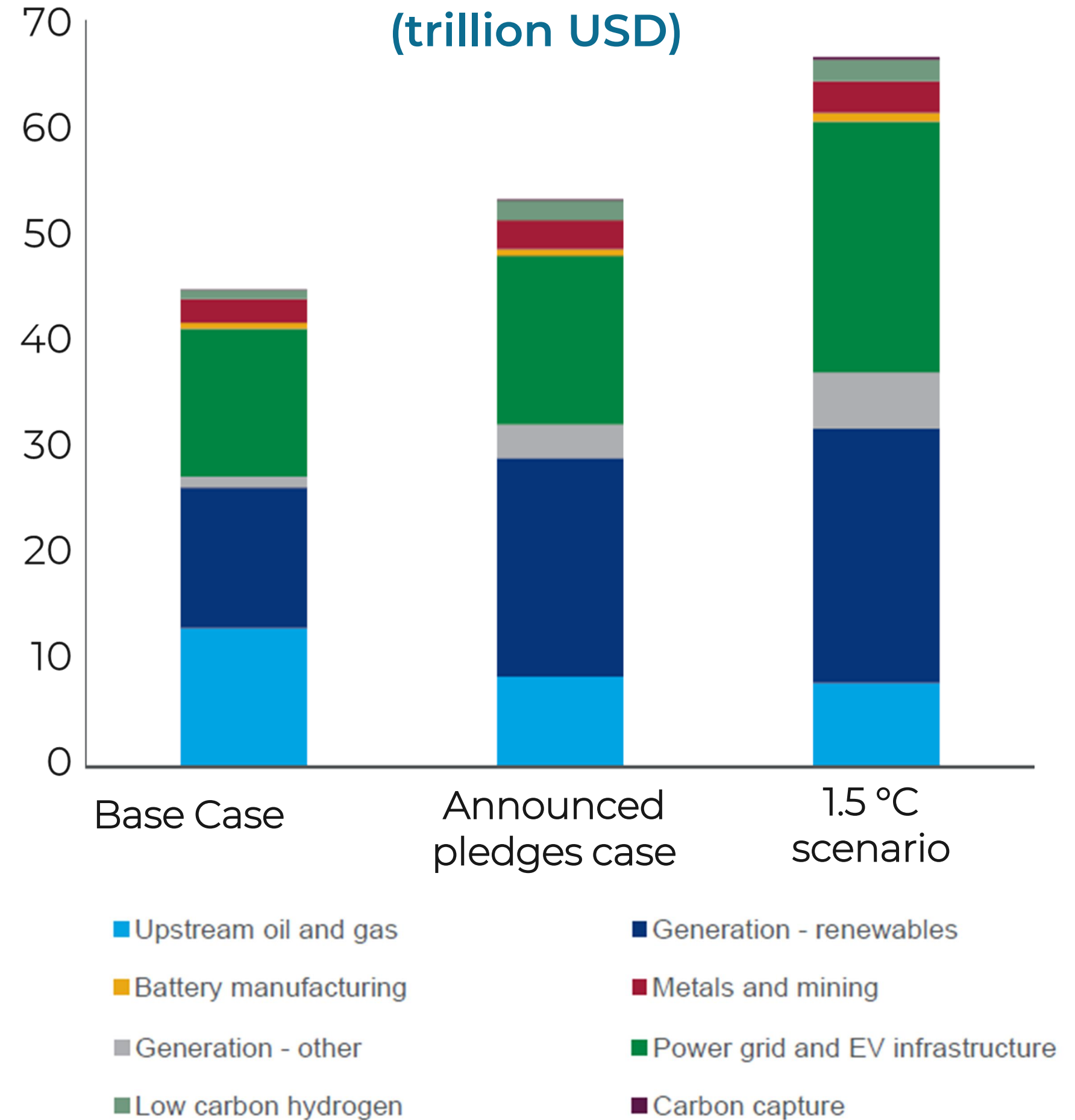
# WORLD ENERGY INVESTMENTS



## Global CO<sub>2</sub> emissions (Gton)



## 2022-2050 cumulative investments (trillion USD)



# ENERGY AS A CATALYST FOR DEVELOPMENT

