

# Practicing Scenario Analysis

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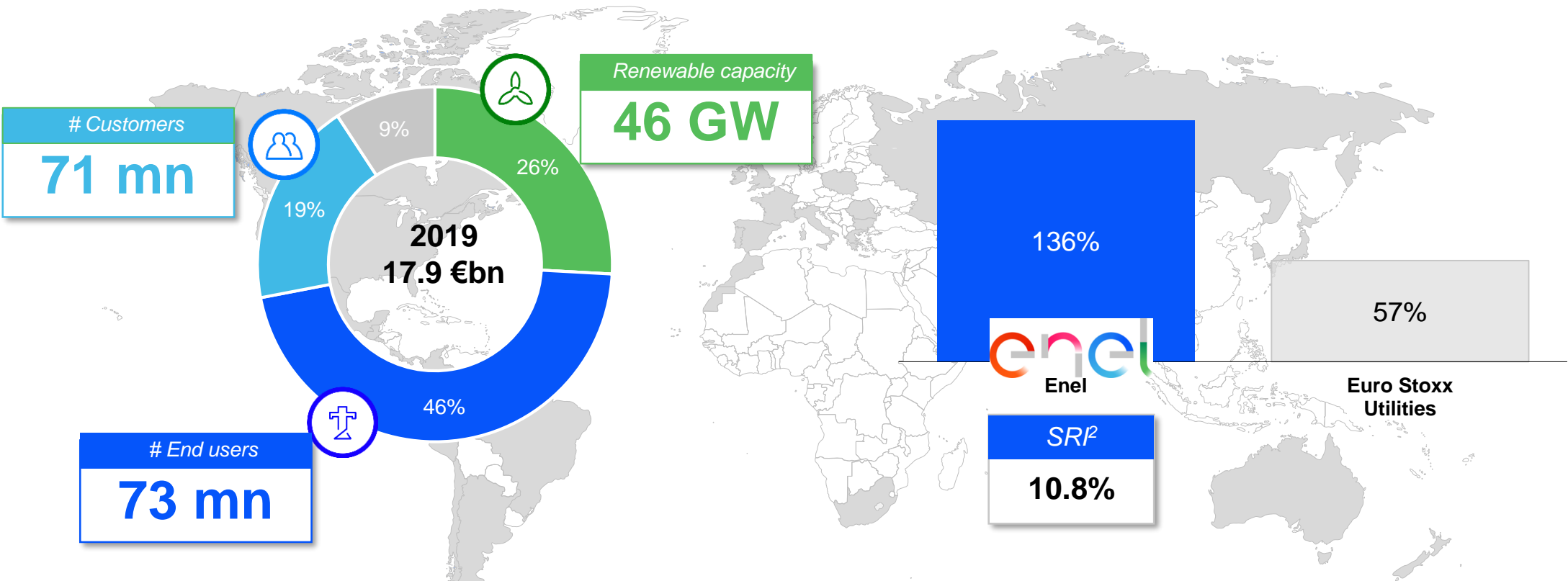
Head of Group Strategy, Economics & Scenario Planning

# A sustainable and fully integrated business model delivering value



EBITDA by business

Total shareholder return 2015-2019<sup>1</sup>



1. From Jan 1<sup>st</sup> 2015 to Dec 31<sup>st</sup> 2019  
2. Socially Responsible Investors as of December 2019

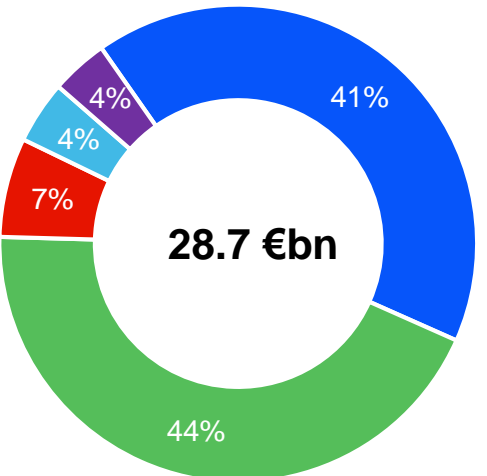
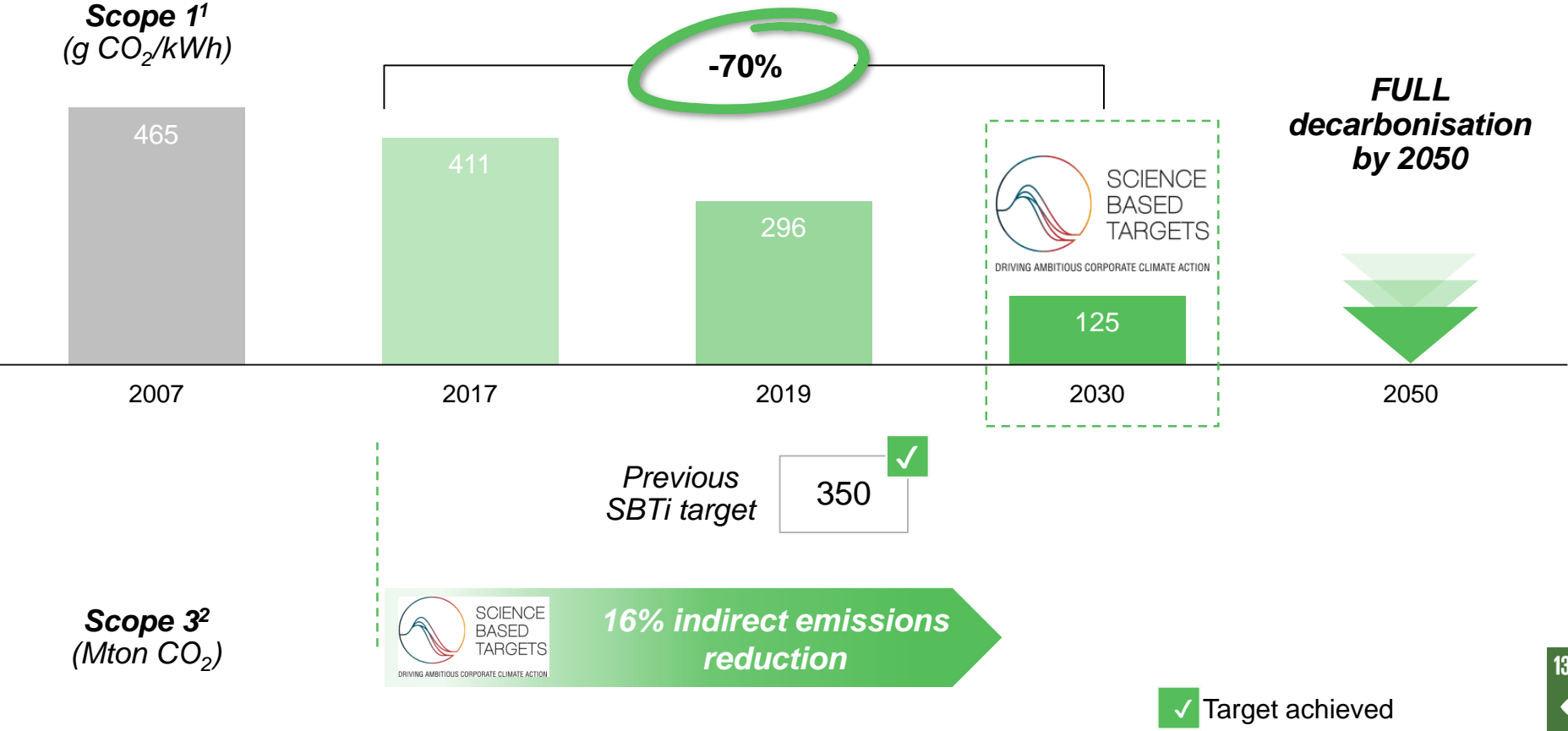
# Strategy strongly supports Enel path towards full decarbonisation by 2050



Scope 1 & Scope 3 CO<sub>2</sub> emissions evolution



Total gross capex 2020-22



- Networks
- Enel X
- Retail
- Renewables
- Conventional generation

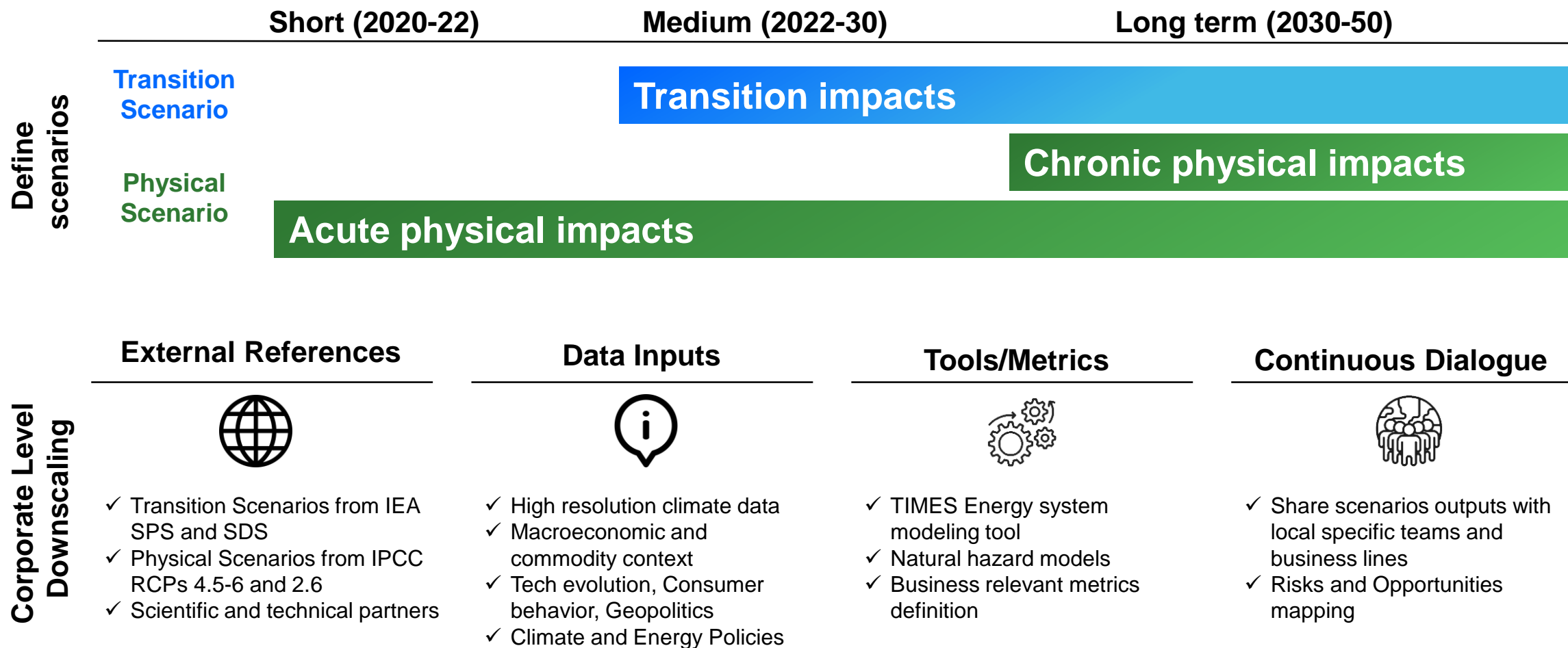


>90% of capex SDGs related

1. Scope 1 by 2030, consistent with the Well Below 2C pathway of the Science Based Target Initiative and the IEA B2DS scenario  
2. Scope 3 related to gas retail activities by 2030, consistent with the 2C pathway of the Science Based Target Initiative



# Our Scenario Analysis Framework aims to capture climate and market dynamics over different time frames



# From scenarios to strategic decisions



Climate scenarios project **long-term variations from historical trends** (such as temperature rise) that are **more pronounced in RCP8.5 scenario, for example, than in RCP 2.6.**

**Over the long term (after 2050) the difference between the two scenarios will increase faster** stating clear the need for action is now..

## Acute phenomena

Potential impacts (damage and business interruption) such as heatwaves and fire risk

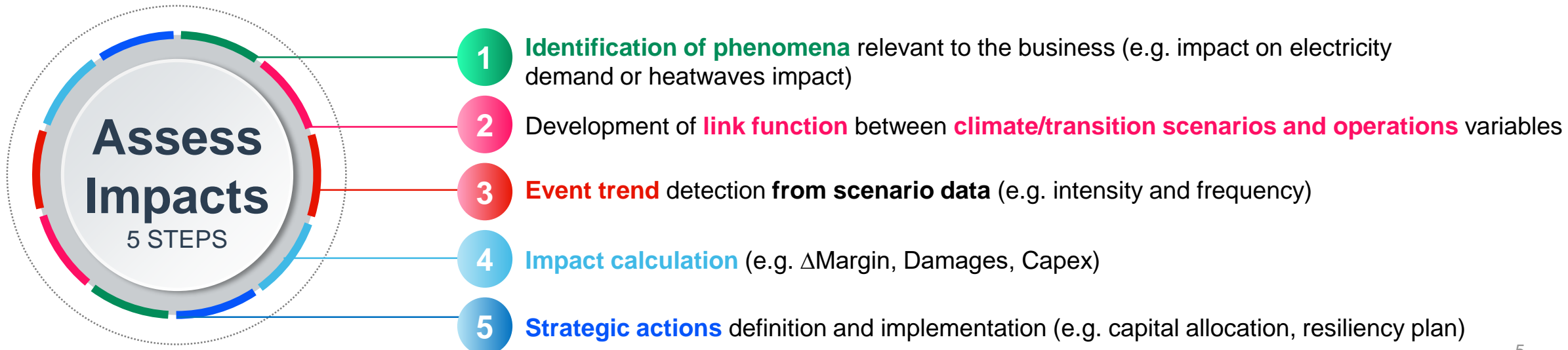
## Chronic phenomena

Effect of temperature on electricity demand, or precipitation variation on manufacturability

## Transition phenomena

Different energy transition pathways related to policies, technologies, macroeconomics, commodities, etc

In order to assess the chronic and acute effects, the most relevant events for the business will be recognized through:



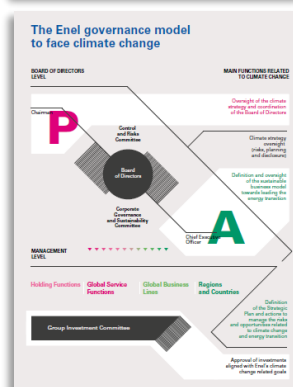
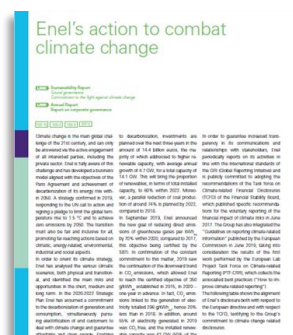
# Clarity of impact is paramount and Enel reports aim to show how our integrated approach generates value



**OPEN POWER  
FOR A BRIGHTER  
FUTURE.**

WE EMPOWER SUSTAINABLE PROGRESS.

CONSOLIDATED ANNUAL REPORT 2019



**Enel's impact on climate change in 2019**

Key figures	2019	2018	2017
CO <sub>2</sub> emissions (Scope 1+2)	10.1 million tonnes	10.5 million tonnes	10.8 million tonnes
Renewable energy production	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy consumption	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy storage	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy distribution	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy transmission	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy generation	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy conversion	10.1 TWh	10.5 TWh	10.8 TWh
Renewable energy distribution	10.1 TWh	10.5 TWh	10.8 TWh
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- Enel Group Report structure has been **adapted according to the four core TCFD pillars**
- Additional sections were included regarding:
  - ✓ **Group Strategy** storytelling for Sustainability is Value
  - ✓ **Climate risks and opportunities**, including framework and first assessments
  - ✓ **Assessment of physical and transition-related risks and opportunities**

**Market**

**Opportunity:** increase in margins from electrification of consumption

**Risk:** competition increase and decrease in market share

**Impact:** Effect on electricity demand

**Products and Services**

**Opportunity:** increase in margins and from new technologies and electric transportation

**Impact:** Transportation and residential consumption