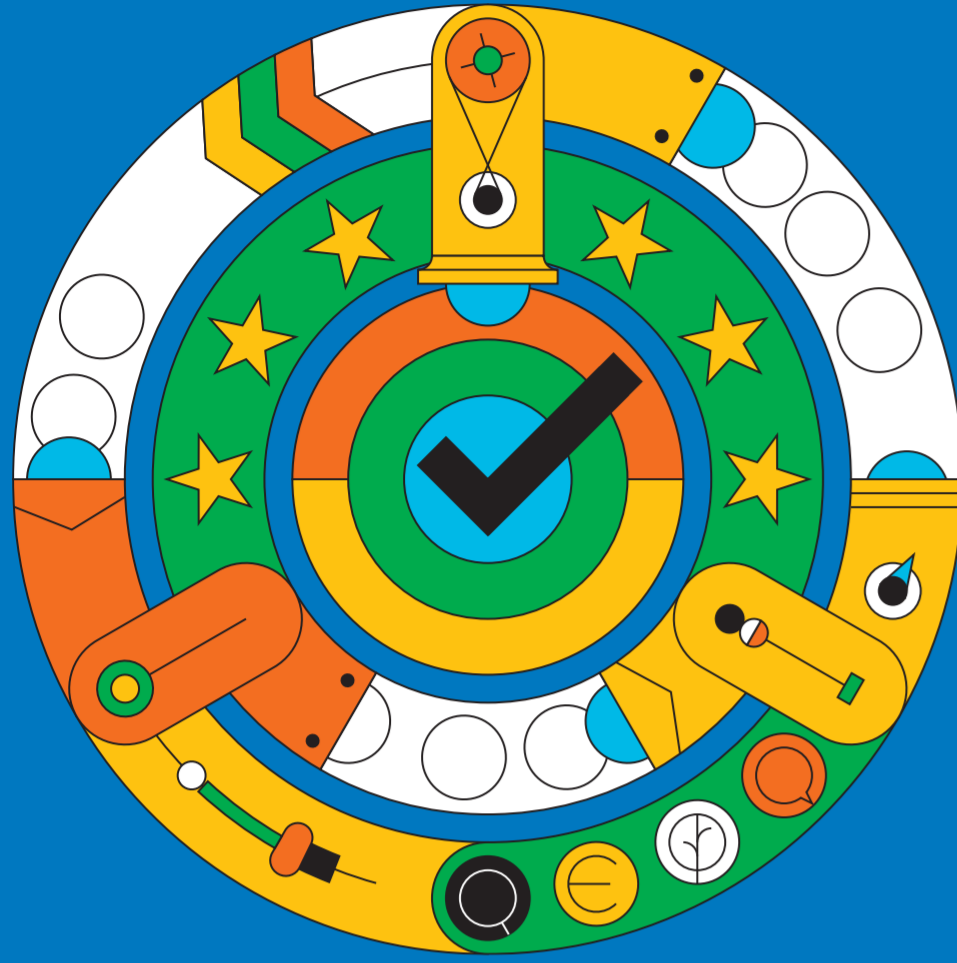


# European Governance of the Energy Transition

Enabling Investment

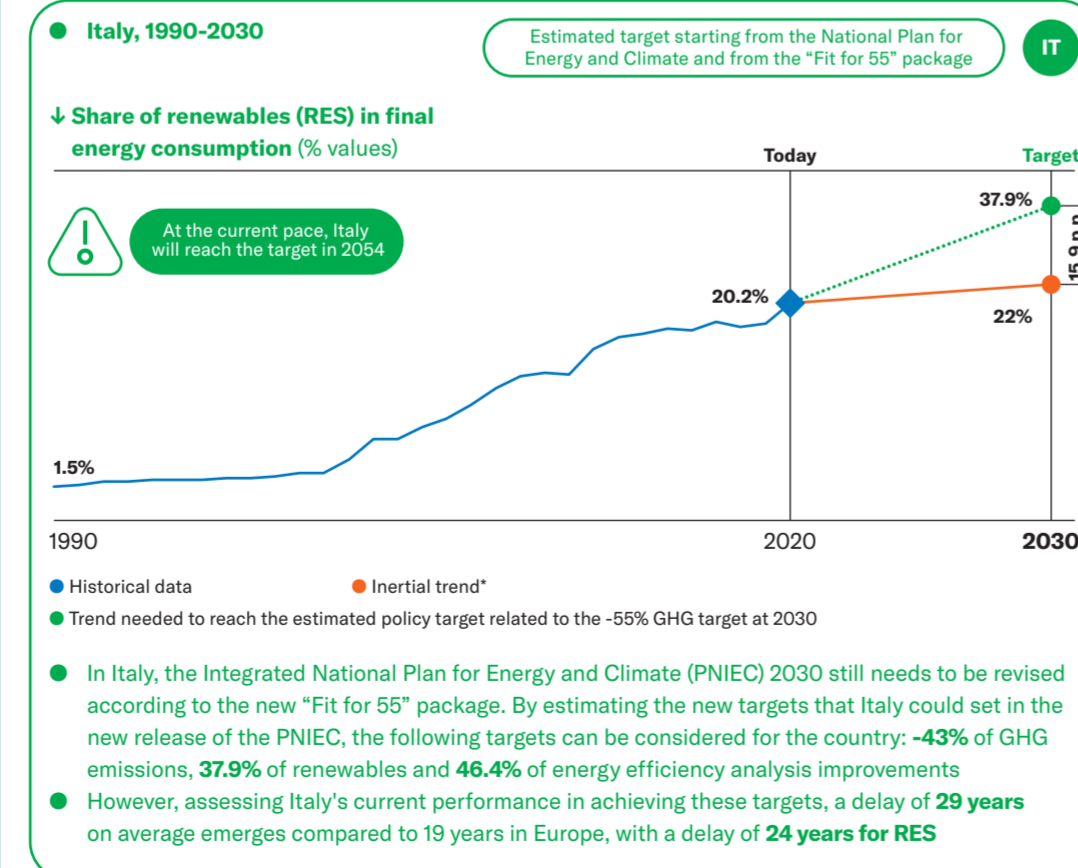
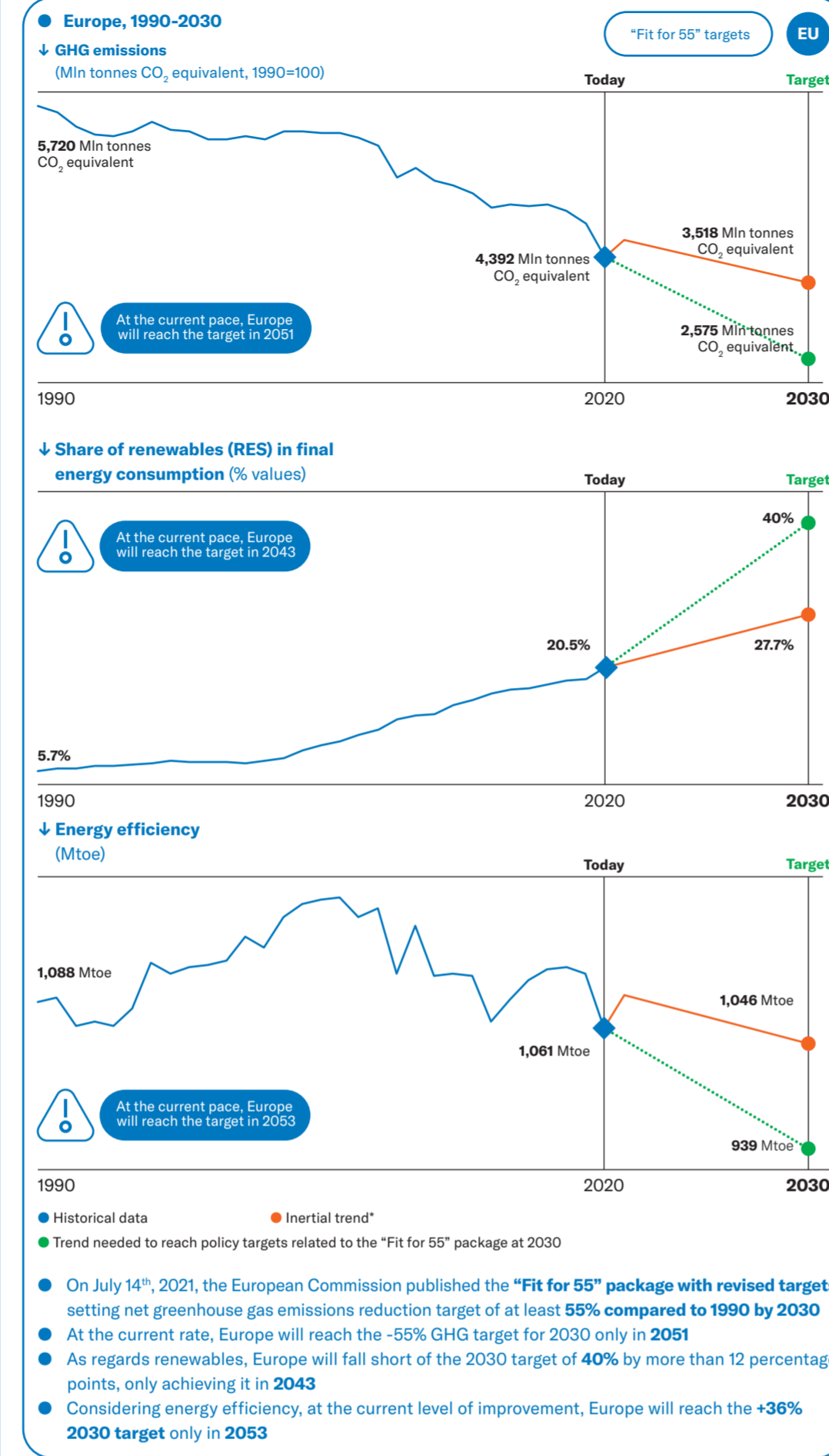


The European House Ambrosetti

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Conceptual Map

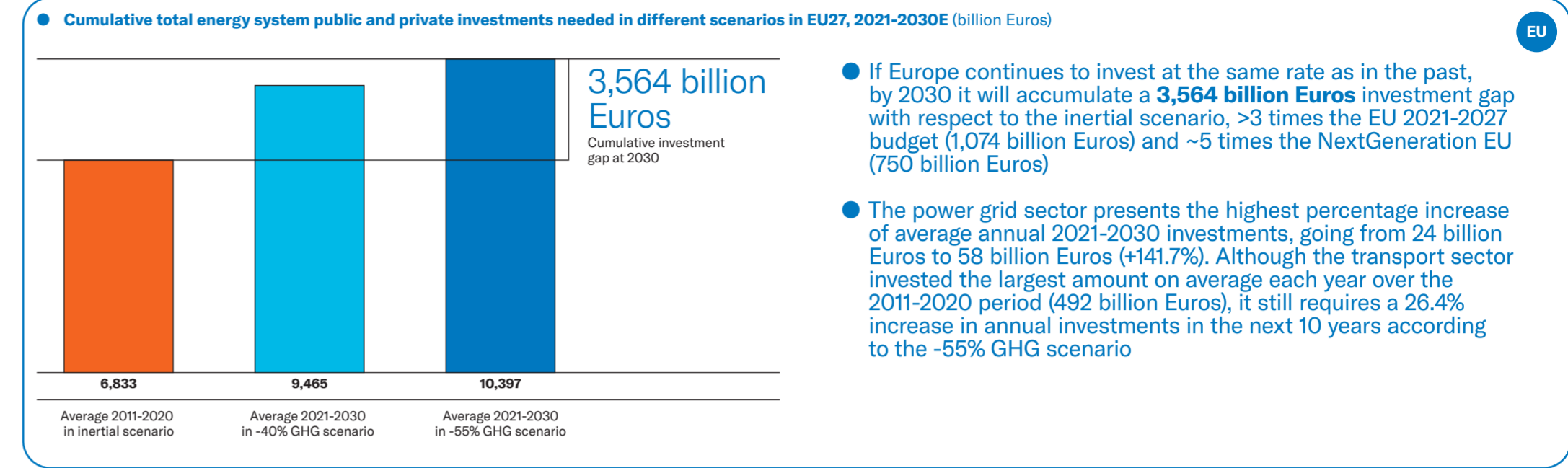
## EU and Italy are not on track to achieve the policy targets



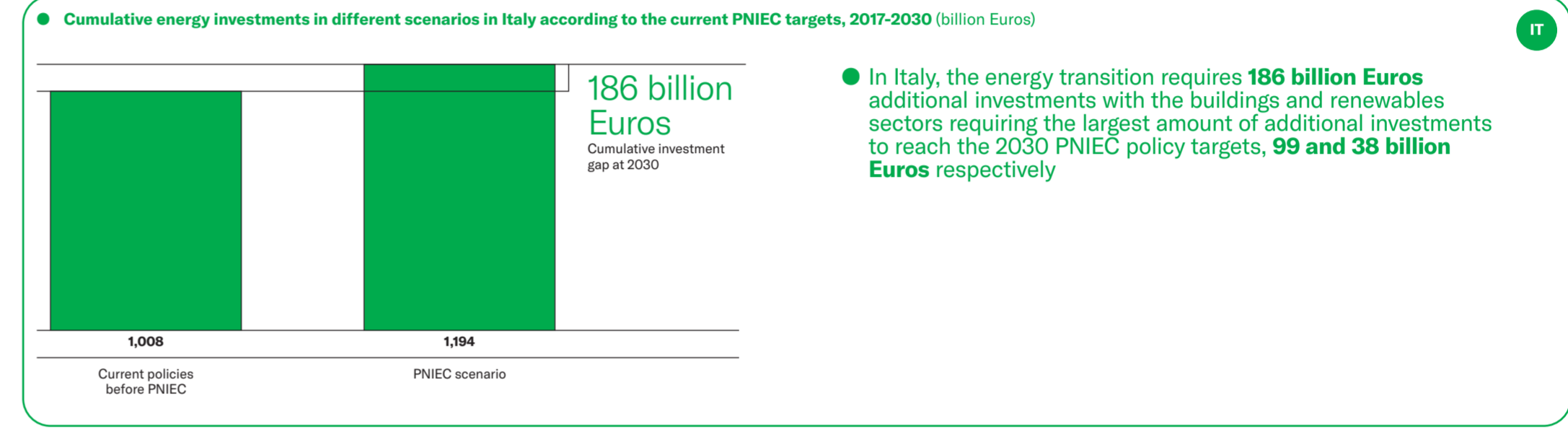
\*Inertial trends have been calculated by projecting the CAGR (Compound Annual Growth Rate) of different time spans according to the indicator considered: from 2005 to 2018 in the GHG emissions analysis in order to consider the industrial evolution of each country; from 2015 to 2019 in the renewable energy analysis, in order to take into account the market maturity of renewable products; from 2006 to 2019 in the energy efficiency in Europe and from 2015 to 2019 in Italy.

Source → The European House – Ambrosetti and Enel Foundation elaboration on European Environment Agency and Eurostat data, 2021.

## What are the investments needed to reach the targets?

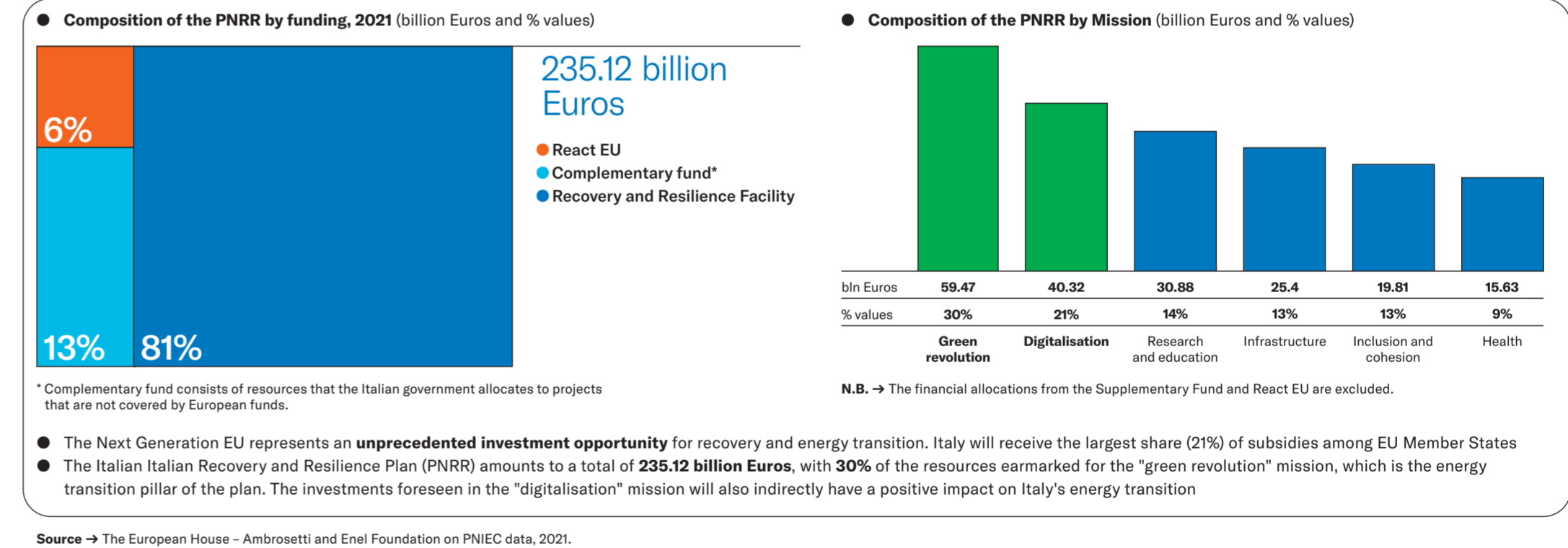


Source → The European House – Ambrosetti and Enel Foundation on European Commission data, 2021.



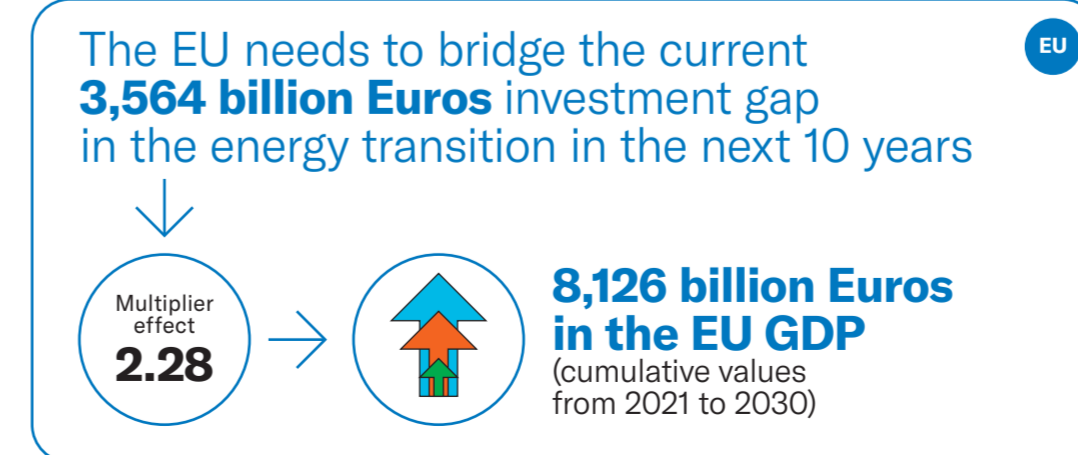
Source → The European House – Ambrosetti and Enel Foundation on PNIEC data, 2021.

## The investment opportunity and the expected benefits of the energy transition

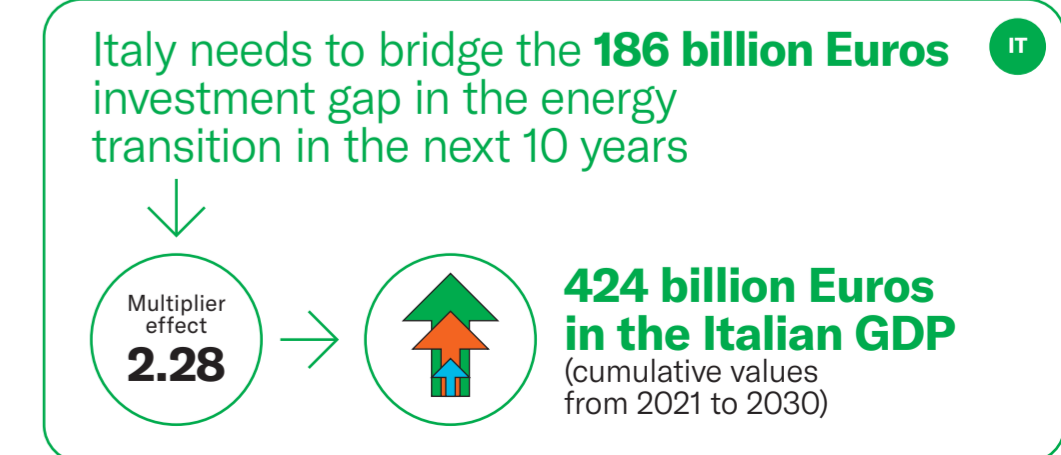


Source → The European House – Ambrosetti and Enel Foundation on PNIEC data, 2021.

The deployment of investments in energy transition would generate huge economic benefits both in Europe and in Italy: for each Euro of GDP generated in the electricity sector, the total impact on the economy is **2.28 Euros of GDP**



Source → The European House – Ambrosetti and Enel Foundation elaboration on "Empowering Europe's Investability" study and Eurostat data, 2021.



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→ What are the energy transition governance issues and their consequences on the analysed sectors?

↓ **Main issues of European energy governance:** EU

- 1 Shared competences on energy
- 2 Need to implement a new "indirect" enforcement
- 3 Need to strengthen the new mechanism for managing policy targets

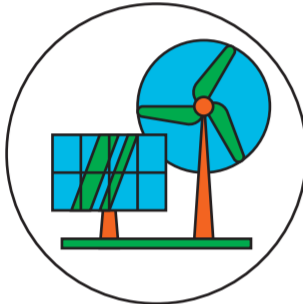
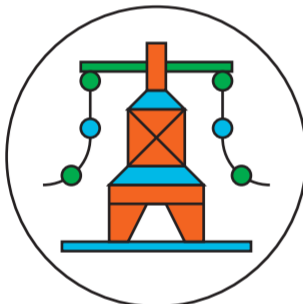
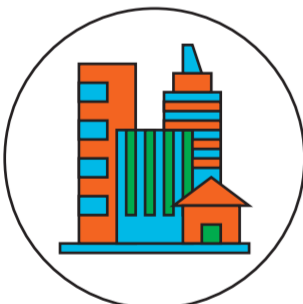
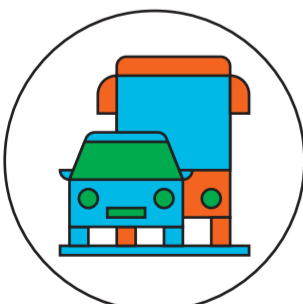
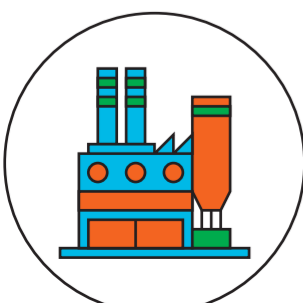
Effects on...

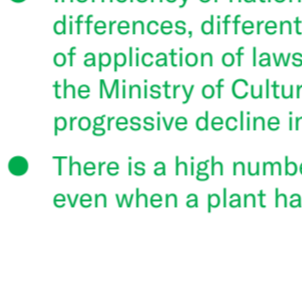
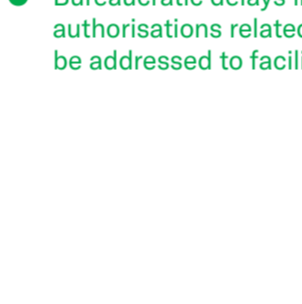
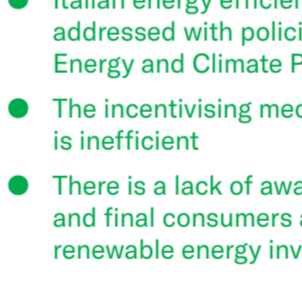
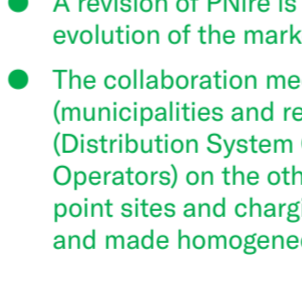
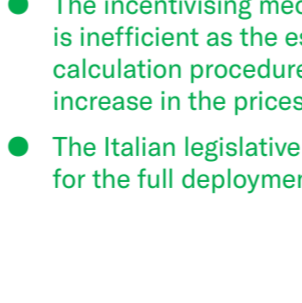
↓ **Main issues of Italian energy governance:** IT


- 1 Fragmentation of competences
- 2 Territorial discrepancies
- 3 Involvement and commitment by local authorities and communities
- 4 Role of the public technical-administrative bodies
- 5 Fragmentation in sectoral policy design

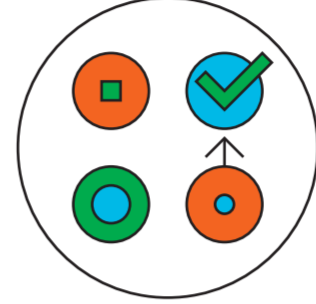
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↓ **7 Proposals** to improve the governance of the energy transition

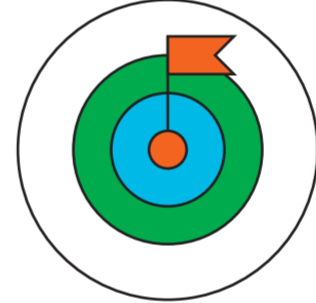
Supply side	 <b>Renewable energy sources</b>	<ul style="list-style-type: none"> <li>• The RES policy targets are not binding for individual Member States, but only for the EU collectively and, as a consequence, EU objectives are not adequately addressed by all Member States, the result being very uneven (and unsuccessful) efforts</li> </ul>
	 <b>Grids</b>	<ul style="list-style-type: none"> <li>• The "European Clean Energy Package" does not recognise the current and future importance of the role of Distribution System Operators (DSOs)</li> <li>• Regulatory uncertainty on interconnectors prevents investments: 8 Member States have not yet met the 2020 interconnection target</li> </ul>
Transmission and distribution	 <b>Buildings</b>	<ul style="list-style-type: none"> <li>• EU energy efficiency objectives are not adequately addressed by all Member States</li> <li>• Member States are free to choose the metrics to assess energy efficiency target performance, resulting in a lack of homogeneity at the European level</li> <li>• There is a huge variety in calculation methods for the Energy Performance Certificates in Europe, since Member States are free to design them nationally</li> <li>• There are huge varieties of different energy label scales (from A to G, A+++ to D, etc.)</li> </ul>
	 <b>Transport</b>	<ul style="list-style-type: none"> <li>• Across EU there are no minimum requirements for harmonised payment systems and user information and there are no clear and coherent charging infrastructure targets</li> </ul>
	 <b>Industry</b>	<ul style="list-style-type: none"> <li>• The ETS entails the risk of carbon leakage and on average free allowances still cover around 50% of the GHG emissions</li> <li>• Industry is not incentivised to carry out energy efficiency measures, also due to a lack of harmonisation of the fiscal and para-fiscal components of energy carrier prices</li> </ul>


Supply side	 <b>Renewable energy sources</b>	<ul style="list-style-type: none"> <li>• Inefficiency of national permitting procedures (territorial differences, different competences, non-uniformity of application of laws at the local level, veto power of the Ministry of Cultural Heritage) also causes a progressive decline in participation to bids' schemes</li> <li>• There is a high number of disputes by local stakeholders, even when a plant has already been authorised</li> </ul>
	 <b>Grids</b>	<ul style="list-style-type: none"> <li>• Bureaucratic delays in local permits or environmental authorisations related to grid investments must be addressed to facilitate the transition</li> </ul>
Transmission and distribution	 <b>Buildings</b>	<ul style="list-style-type: none"> <li>• Italian energy efficiency objectives are not adequately addressed with policies and measures in the National Energy and Climate Plan</li> <li>• The incentivising mechanism of <i>Certificati Bianchi</i> is inefficient</li> <li>• There is a lack of awareness of the local stakeholders and final consumers about the opportunities of renewable energy investment</li> </ul>
	 <b>Transport</b>	<ul style="list-style-type: none"> <li>• A revision of PNire is needed to respond to the recent evolution of the market</li> <li>• The collaboration mechanism between local authorities (municipalities and regions) on the one hand, and DSOs (Distribution System Operators) and CPOs (Charge Point Operators) on the other, for identification of recharging point sites and charging needs should be enhanced and made homogeneous at national level</li> </ul>
	 <b>Industry</b>	<ul style="list-style-type: none"> <li>• The incentivising mechanism of <i>Certificati Bianchi</i> is inefficient as the establishment of a more complex calculation procedure for energy savings leads to an increase in the prices of certificates on the market</li> <li>• The Italian legislative framework could be improved for the full deployment of the ESCOs</li> </ul>

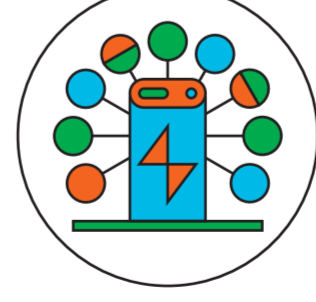
**1**  Implementing a **stronger form of cooperation** in the governance of the energy transition, officially recognising its critical role

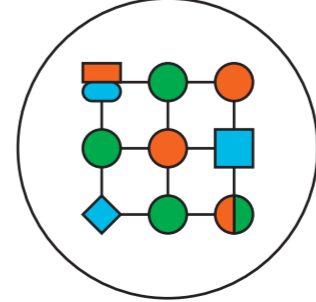
**2**  Adopting a **regional approach** to enhance EU market integration

**3**  Encouraging internationally the **Carbon Border Adjustment Mechanism (CBAM)**

**4**  Promoting more effective mechanisms to ensure that **Nationally Determined Contributions** are **consistent** with the objectives of the **Paris Agreement**

**5**  Simplifying the **authorisation procedures for RES plants** and favouring energy efficiency interventions

**6**  Creating a **homogeneous and standardized mechanism of interaction** between local authorities on the one hand, and Distribution System Operators and Charge Point Operators on the other

**7**  Promoting a full integration of **districts and clusters of companies** at local level, **ecosystems of innovation** and **energy communities** with the national distribution grid

EU  
European level – Internal dimension

EU  
European level – External dimension

IT  
National level (focus on Italy)