



EU Climate mitigation and adaptation strategies

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<https://www.kyotoclub.org/progetti/scsd-sd/webinar-materiale-didattico>





Italian national plan for energy and climate 2030 (P.N.I.E.C.)

The **Integrated National Plan for Energy and Climate 2030** is a fundamental tool that marks the beginning of an important change in our country's energy and environmental policy towards decarbonisation.

The Plan is structured into **5 lines of intervention**, which will develop in an integrated way: from decarbonisation to energy efficiency and security, going through the development of the internal market for energy, research, innovation and competitiveness.

The goal is to create a new energy policy that ensures full environmental, social and economic sustainability of the national territory and accompanies this transition.



The regulatory framework within which the plan is located

The European Council of 23 and 24 October 2014 has approved the strategy for the Union of Energy in coherence with the 2030 Energy and Climate Framework approved by the European Parliament.

THE EUROPEAN STRATEGY IS BASED ON 5 POINTS:

decarbonization
(RES)

Energy Efficiency

Fully integrated
European Energy
Market

Research
Innovation

Safety
Competitiveness

The National Adaptation Strategy for Climate Change (16.06.2015) and

The S.E.N. - National Energy Strategy - approved on 10.11.2017

there were intermediate steps for the preparation of the National Plan for Energy and Climate-P.N.I.E.C.



Elaborazione e traduzione da: "Proposta di piano nazionale integrato per l'energia e il clima" – Associazione Regionale Confservizi Emilia-Romagna



In summary:

The **P.N.I.E.C.** Constitutes the integration and update - Even in the light of the O.N.U. 2030 Agenda – of two plans already adopted by the Italian governments:

The Climate Change Adaptation Strategy



The National Energy Strategy



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for the construction and approval of the P.N.I.E.C. a double path was followed in 2019:

A comparison with the European Commission which has given its objective of the harmonization of energy policies between European States

*A consultation
With all national stakeholders*



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In particular, the (Italian) Plan is the result of an articulated process:

In **December 2018**, the draft of the Plan was sent to the European Commission, prepared on the basis of technical analyzes and evolutionary scenarios of the energy sector carried out with the contribution of the main public bodies operating on energy and environmental issues (GSE, RSE, Enea, Ispra, Milan Politecnico).

In **June 2019**, the **European Commission** made its **assessments and recommendations** on the Plan proposals presented by the EU Member States, including the Italian proposal, which was assessed, overall, positively. Furthermore, during 2019, a **wide public consultation** was carried out and the strategic environmental assessment of the Plan was carry through.

In **November 2019**, **Minister Patuanelli** illustrated the general lines of the Plan to the Production Activities Committee of the Chamber of Deputies. Finally, the Plan was the subject of fruitful comparison with the Regions and Associations of Local Authorities, which, on **18 December 2019**, finally expressed a positive opinion following the implementation of several and significant suggestions.

THE DEFINITIVE TEXT OF THE PNIEC WAS PUBLISHED ON **21 JANUARY 2020**





Objectives of the P.N.I.E.C. are the definition of actions for:

- **reduce emissions of GHG**
- **coping with the impacts of climate change** (drought, floods ...)
- **reduce risks and preserve the well-being of the population and natural heritage**

It also makes use of various other contributions such as:

- *Towards a circular economy model for Italy* - framework document and strategic positioning (07.12.2017)
- *National strategy for sustainable development –s.n.s.v.s.* Approved by the CIPE(*) (22.12.2017)
- *Elements for a sustainable mobility roadmap* (2017)
- *National infrastructure plan for charging electric powered vehicles* (2016)

(*) Inter-ministerial Committee for Economic Planning



Main energy and climate **targets** for the EU and Italy in 2020 and 2030

	Targets 2020		Targets 2030	
	EU	Italy	EU	Italy
Renewables energy				
Share of energy from RES in gross final energy consumption	20%	17%	32%	30%
Share of energy from RES in gross final consumption of energy in transport	10%	10%	14%	22%
Share of energy from RES in gross final consumption for heating and cooling			+1,3% year	+1,3% year
Energy Efficiency				
Reduction of primary energy consumption compared to the PRIMES 2007 scenario	-20%	-24%	-32.5%	-43%
Final consumption savings through mandatory energy efficiency schemes	-1,5% year	-1,5% year	-0,8% year	-0,8% year
Greenhouse gas emissions				
Overall reduction of greenhouse gases compared to 1990 levels	-20%		-40%	-40%



Position Paper by Coordinamento FREE about the PNIEC

Coordinamento FREE (Coordination for Renewable Energy Sources and Energy Efficiency) is an Italian umbrella association composed of 27 Members plus others who joined only as participants.

After the publication by the Ministry of Economic Development of the **National Integrated Plan on Climate and Energy** (PNIEC), Coordinamento FREE released a Position Paper with the following feedbacks:

1. The programming of the coal phase-out:

- is «subject to the realization of new plants», which is unlikely to be completed by 2025.
- Natural gas has a very important role in the so-called «low carbon» transition. In fact, the plan does not exclude completely the realization of new infrastructure – as the new hub in Sardinia – and foresees the empowerment of the existing one – the TAP in Puglia. It will «depend on the cost-benefit analysis».

2. The Governance

- Many Ministries are mentioned to be involved in the implementation of the Plan, but it is not included a horizontal coordinating structure directly referring to the Presidency of the Ministers' Council, which would be the crucial tool for an effective coordination.





Position Paper by Coordinamento FREE about the PNIEC

3. A good point is the foreseen modification of the current regulations and legislations for faster authorization paths.

4. The FER share of the gross final energy consumption is reduced to 55% compared to the 55,5% foreseen in the draft version.

Considering a rule of common use, the **rate of RES** in the gross final energy consumption **should be the double of the electric one**, minus 1% - if we consider the 30% for the electric RES, it should be 59% instead of 55%.

Maintaining the 55% will force to pursue even more challenging targets – they are already very ambitious - for heating and cooling.

5. A good point also is the updates, compared to the draft version, related to the «green» hydrogen and many more details about energy efficiency in buildings.



Position Paper by Coordinamento FREE about the PNIEC

6. About **energy efficiency**, the measures mentioned in the PNIEC are mainly inadequate to the very challenging objectives on the consumptions:

From 142 in 2020 to 125 Mtep in 2030 for the primary gross energy consumptions.

From 116 in 2020 to 104 Mtep in 2030 for the final gross energy consumptions.

No news about the Energy Efficiency Certificates, which represented a great tool in the past years and need now to be updated.

7. The PNIEC refers also to «**waste and circular economy**». However, **only the waste management is mentioned**, while it is not explained that the circular economy is a completely different approach that applies to the whole Life Cycle of a product.



Thank you

<https://www.kyotoclub.org/progetti/sustainable-civil-society-dialogue-for-sustainable-development>

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