

Session 1 Challenges of the new energy performance of buildings directive

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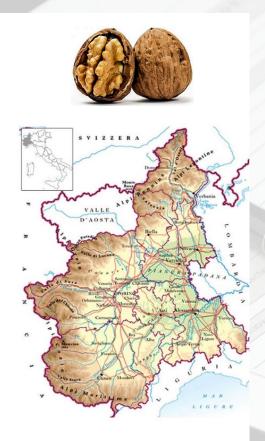
Content

- The challenges of the new energy performance of buildings directive
- The need of local energy planning at local level
- Example of data driven support of local energy planning in Piemonte Region

Piemonte Region

PIEMONTE REGION





- 4.3 millions inhabitants
- Half of the territory is mountain area
- 8 Provinces and more than 1.200 Municipalities
- 12 Mtoe Gross Energy Consumption (55% based on natural gas)
- 10 Mtoe of Final Energy Consumption (50% in the building sector)
- 20% of renewables in final consumption

The EPBD approved



The directive holds the key to unlocking the full potential of buildings in contributing to the energy system, with a particular focus on benefiting citizens, especially those facing energy poverty.

As one of the largest energy-consuming sectors, enhancing energy efficiency in buildings it is supposed not only to bolster the resilience and energy security of the EU but also elevate industrial competitiveness in the energy efficiency and renewables sectors. Moreover, it will generate thousands of job opportunities.

Each Member State shall establish a **national building renovation plan** to ensure the renovation of the national building stock with the objective to transform existing buildings into **zero-emission buildings**.

Building renovation plan shall encompass:

- an overview of the national building stock [....], an overview of market barriers and market failures and an overview of the opportunities
- a roadmap with nationally established targets and measurable progress indicators, with a view to the 2050 climate neutrality goal [....];

Type of building	After 01.01.27	After 01.01.30	After 01.01.33
Buildings and building units owned by public bodies	F	E	
Non-residential buildings and building units, other than those owned by public bodies	F	Е	
Residential buildings and building units		F	E

Starting from 30.06.2024 the National Builfing Renovation Plans should be submitted to the Commission every 5 years, setting intermediate targets for 2030 and 2040

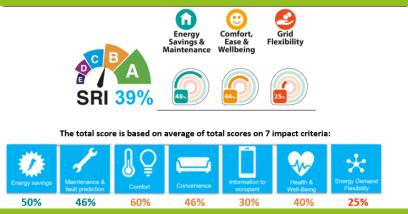
From 1 January 2027 at the latest, Member States shall not provide **any financial incentives** for the installation of boilers powered by fossil fuels,

It is foreseen a **full decarbonisation of heating and cooling**, including through district heating and cooling networks, and the phase out of fossil fuels in heating and cooling with a view to a complete phase-out by 2040 at the latest (Annex II - Template for the national building renovation plans)

Member States shall ensure that from the following dates, new buildings are zero-emission buildings in accordance with Annex III:

- as of 1 January 2027, new buildings occupied or owned by public authorities; and
- as of 1 January 2030, all new buildings



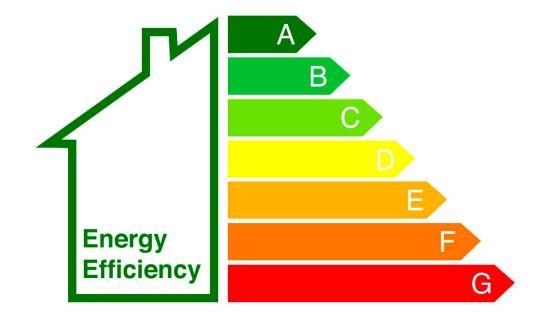


- By 31 December 2024, Member States shall introduce a scheme of renovation passports based on the common framework established by the Commission. The renovation passport shall comprise a renovation roadmap indicating a sequence of renovation steps building upon each other, with the objective to transform the building into a zero-emission building by 2050 at the latest.
- The Commission shall adopt delegated acts concerning an optional common Union scheme for rating the smart readiness of buildings. The rating shall be based on an assessment of the capabilities of a building to adapt its operation to the needs of the occupant and the grid.

By 31 December 2025 at the latest, **the energy performance certificate** shall be defined on a closed scale using only letters from A to G. The letter A shall correspond to zero-emission buildings [....] and the letter G shall correspond to the 15% worst-performing buildings in the national building stock at the time of the introduction of the scale. The remaining classes (B to F) have an even bandwidth distribution of energy performance indicators.

Each Member State shall set up a national database for energy performance of buildings.

The database shall be publicly accessible. Member States shall ensure access to the full energy performance certificate for all stakeholders.



Great emphasis to the renovation of the building stock with challenging targets in front of us.

Taking into accounts also the targets fixed by the EED 2023/1791:

- each Member State shall ensure that at least 3 % of the total floor area of heated and/or cooled buildings that are owned by public bodies is renovated each year to be transformed into at least nearly zero-energy buildings or zero-emission buildings (art. 6 of the EED)
- Member States shall ensure that the total final energy consumption of all public bodies combined is reduced by at least 1,9 % each year, when compared to 2021.

There is a new and urgent call for local energy planning from the local level!

The Covenant of **Mayors Initiative**



Key figures

11963

Signatories

m

20734

Best practices actions

287

Supporters

Coordinators

207

8255

Submitted action plans

Covenant of Mayors for Climate & Energy FUROPF

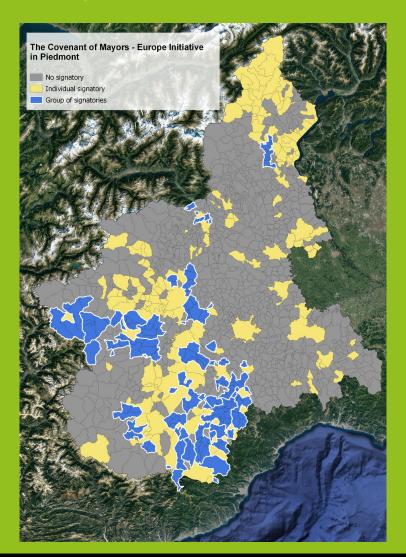
Local Authorities are invited to join the movement and committ to carbon neutrality by 2050 drafting a Sustainable Energy and Climate Action Plan, fixing the roadmap on how to reach the target.



Numbers include EU-27 countries and their signatories, coordinators and supporters

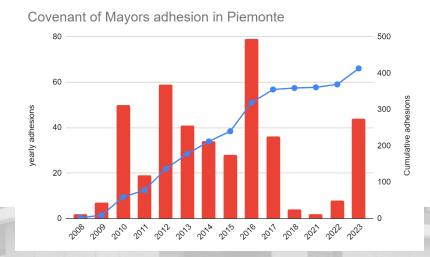


The Covenant of Mayors in Piemonte



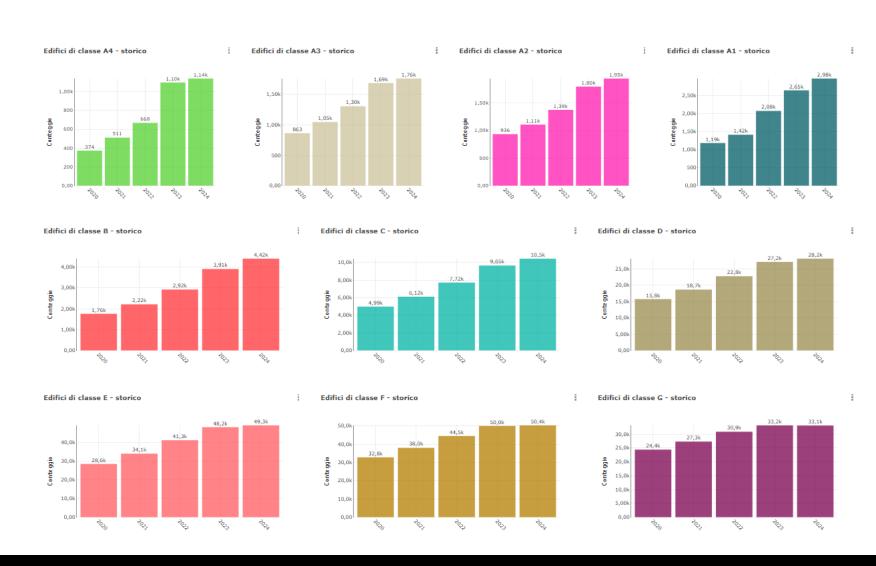


- About 370 adhesions as individuals or as a group of Municipalities
- More than 30 aggregations involving about 200 signatories
- A new process of adhesions undergoing with several signatories renewing the commitment

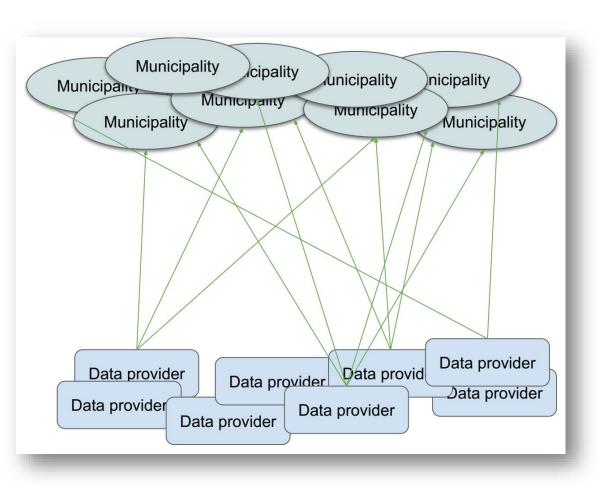


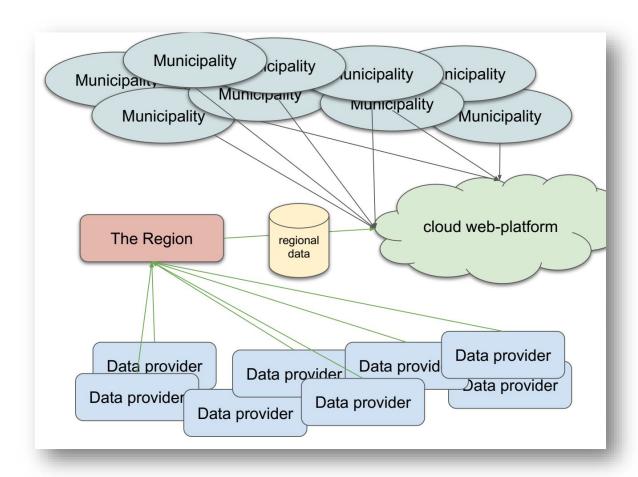
The Covenant of Mayors in Piemonte

- We collect energy data from different providers and databases and we deliver them on a webportal where the Municipality finds all data collected.
- Data can be downloaded and used to define the Baseline Inventory Emission.
- Data are available for several years



The Energy Observatory supporting local energy planning

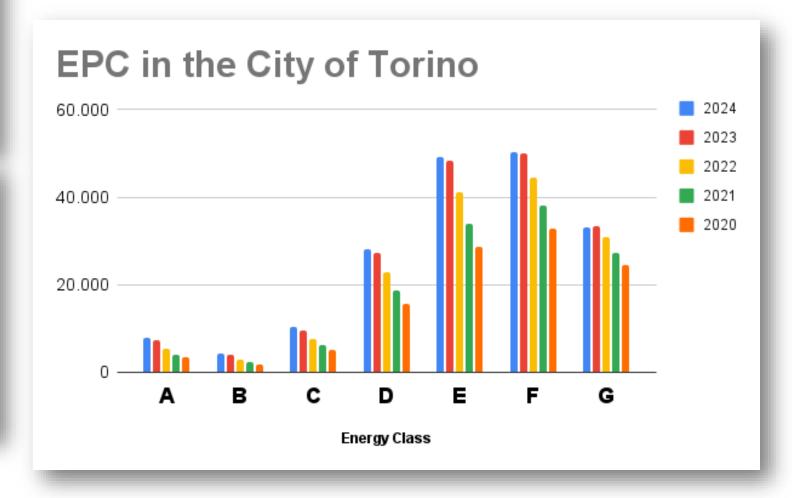




Public buildings and their Energy Performance 622 477 351 320 257 257 E G 2% 45% 53% ■ large ■ medium ■ small

Large > 10,000 sqm Medium > 1,000 sqm

Examples of data available



Take aways

- The new EPBD calls Government Bodies (from all levels) to a new wave of planning activities that need to be continuously updated and kept integrated with a multilevel governance perspective.
- Data are essential to lead this process
- Data should be available, but they should be also accessible for local authorities. It is, therefore, crucial the role of territorial coordinators.



If you would like more information, please visit www.timepac.eu or contact us at

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Thanks for your attention!

