

Implementation Working Group on Energy Efficiency in Buildings

What is IWG5?

The Implementation Working Group on Energy Efficiency in Buildings (IWG5) works to unlock the energy savings potential of the building sector. This includes boosting the potential of existing and new buildings.

IWG5 is composed of Representatives of EU and associated countries, industrial stakeholders, non-governmental organisations and research institutes.

Around 40% of the final energy consumption in Europe is due to the building sector. This shows the great potential for energy savings and the enormous importance of this sector for CO2 reduction and climate protection.

Objectives

IWG5 aims at delivering the Implementation Plan on energy-efficient solutions for buildings, requiring Member States to put in place **measures favouring both innovation in building design and energy technologies for buildings**, and the uptake of these technologies by the building sector.

IWG5 and the SET Plan

The Strategic Energy Technology (SET) Plan aims to achieve the EU's energy and climate goals and make Europe a global leader in clean energy technologies and energy efficiency. It is made up of the SET Plan Steering Group, the European Technology and Innovation Platforms (ETIPs), the European Energy Research Alliance (EERA), the SET Plan Information System (SETIS) and Implementation Working Groups (IWGs).

The IWGs monitor and report progress to the SET Plan Information System (SETIS) on the SET Plan targets and R&I activities carried out at national and European levels. The activities and targets, published in the working groups' Implementation Plans, are identified in cooperation with national governments and stakeholders (industry and research bodies).

IWG5 addresses EU initiatives to ramp up energy efficiency, renewables and sustainable finance in buildings:

- The Energy Union strategy (COM/2015/080) that calls to deploy highly efficient energy technologies to **meet heating and cooling energy demand across Europe**;
- The Renovation Wave strategy (COM/2020/662) with the objective to at least **double the annual energy renovation rate of buildings by 2030**;
- The Fit for 55 (COM/2021/550) and REPowerEU (COM/2022/230) communications to **increase the ambition in the buildings sector by 2030** under the Energy Performance of Buildings Directive and the Energy Efficiency Directive;
- The New European Bauhaus initiative (COM/2021/573), bringing together stakeholders to **reimagine sustainable and aesthetic in buildings**;
- Funding instruments **supporting the renovation and construction of buildings**, including the Recovery and Resilience Facility, the Modernization Fund, the Just Transition Fund, the European Structural and Investment Funds, the European Fund for Strategic Investments and the Social Climate Fund.

To address these and other topics, the IWG5 is divided into 2 subgroups:

- New materials and technologies for energy efficient solutions for buildings;
- Cross-cutting heating and cooling technologies for buildings.

The IWG5-CSA project, coordinated by EUREC, will support the IWG5 in delivering the implementation of the SET plan on energy-efficient solutions.



Interested in joining our Working Group?

Contact us:

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