

Working together towards secure & cost-effective renewable energy in the EU.

The LUMENS consortium,
coordinated by CIRCE, gathers 9
partners from 7 European countries
to advance in the competitiveness of
utility-scale RES plants.



Join our growing community and stay connected as we power the energy transition.

Help us move Europe closer to a
net-zero future! Follow for updates on
how we're making clean energy more
affordable and accessible.



LUMENS Project



LUMENS_project



lumens-project.eu



Funded by the
European Union

Funded by the European Union. Views and opinions
expressed are however those of the author(s) only and
do not necessarily reflect those of the European
Union or CINEA. Neither the European Union nor the
granting authority can be held responsible for them.
Grant Agreement N. 101235382.

Leading Utility-scale RES Market Expansion towards Next-generation Energy Systems.



LUMENS is an EU-funded project
under the EU Horizon Europe
Coordination and Support Actions. It
aims to foster the integration and
acceptance of Renewable Energy
Sources (RES) plants across the EU
energy market, addressing financial,
social, environmental and political
frameworks.

CONCEPT

LUMENS tackles key technical challenges, such as grid flexibility, ensuring the efficiency of the utility-scale RES plants, and enabling market uptake to support the EU's 2030 net-zero objectives. With these efforts, our project seeks to pave the way for a more sustainable and safe energy landscape while strengthening the competitiveness of the European Union.

OBJECTIVES

1 Develop a multi-actor engagement strategy aimed at actively involving key stakeholders in LUMENS.

2 Mitigate NIMBY attitudes by overcoming technical barriers and enabling collaboration with grid operators, ensuring seamless grid access.

3 Improve current social acceptance of RES plants in communities, mitigating the NIMBY effect.

4 Develop a set of financial and regulatory guidelines for energy market operators and policymakers.

5 Empower the energy sector through a strong and coordinated dissemination and communication campaign, knowledge transfer, strategic positioning and cross-border actions.



OUR TOOLKITS

 Location Planning

 Market Simulator for Revenues

 Energy Mix Assistant

 Hybridisation Modelling

 Social & Environmental Factors & Mitigation Strategies

