



Smart
Energy
Systems
ERA-Net



Joint Programming for Flourishing Innovation from Local and Regional Trials towards a Transnational Knowledge Community

www.eranet-smartenergysystems.eu



This initiative has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements no. 646039 and no. 775970.

ERA-Net Smart Energy Systems

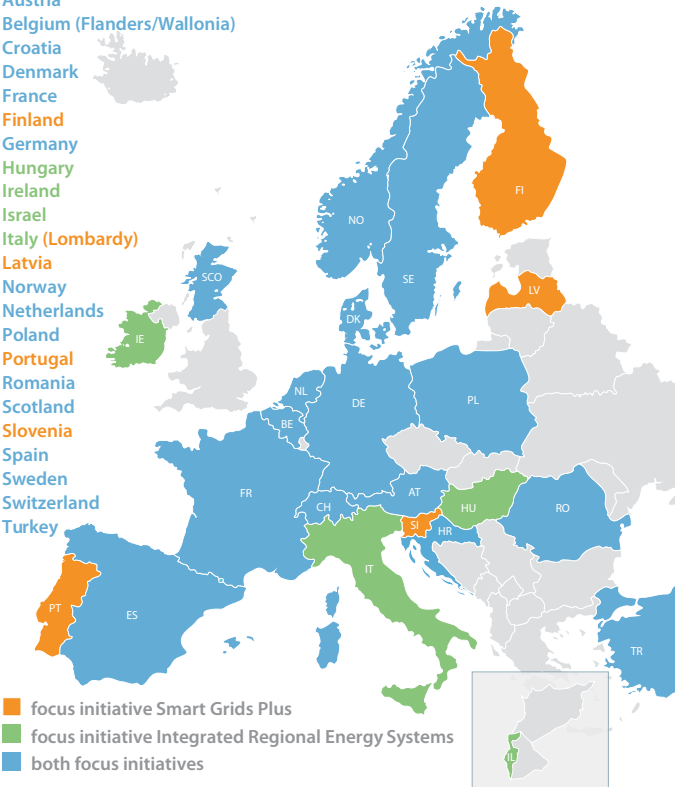
ERA-Net Smart Energy Systems (ERA-Net SES) is a transnational joint programming platform of 30 national and regional funding partners for initiating co-creation and promoting energy system innovation. The network of owners and managers of national and regional public funding programs along the innovation chain provides a **sustainable and service oriented joint programming platform to finance projects** in thematic areas like Smart Power Grids, Regional and Local Energy Systems, Heating and Cooling Networks, Digital Energy and Smart Services, etc.

Co-creating with partners that help to understand the needs of relevant stakeholders, we team up with intermediaries to provide an innovation **eco-system supporting consortia for research, innovation, technical development, piloting and demonstration activities**. These co-operations pave the way towards implementation in real-life environments and market introduction.

Beyond that, ERA-Net SES provides a **Knowledge Community, involving key demo projects and experts from all over Europe, to organise the learning** between projects and programs from the local level up to the European level.

ERA-Net Smart Energy Systems Partner Countries

Austria
Belgium (Flanders/Wallonia)
Croatia
Denmark
France
Finland
Germany
Hungary
Ireland
Israel
Italy (Lombardy)
Latvia
Norway
Netherlands
Poland
Portugal
Romania
Scotland
Slovenia
Spain
Sweden
Switzerland
Turkey



ERA-Net SES 2018 Joint Call on Integrated Regional Energy Systems

ERA-Net SES invites to respond to its 2018 joint transnational funding call for Research, Development and Innovation (RDI) projects under its focus initiative on Integrated Regional Energy Systems (RegSys). The total available budget is € 33.3 Mio including EC co-fund contribution.

Timeline	
Call launch at the Nordic Clean Energy Week, Malmö, Sweden	23 May 2018
Proposal outline deadline (mandatory)	11 September 2018, 14:00 CEST
Preliminary eligibility check	18 September 2018
Compulsory advisory period	18 September – 2 November 2018
Proposal deadline	2 November 2018, 14:00 CET
Evaluation period	2 November 2018 – 1 March 2019
Deadline funding decision feedback	8 March 2019
Expected project start	Before 15 December 2019

Project proposals must be submitted electronically. More information about the call and the online Electronic Submission System can be found at the ERA-Net SES website: www.eranet-smartenergysystems.eu.

ERA-Net SES 2018 Joint Call funding by partner

Country/ region	Minimum funding (€)	Organisation name
Austria	2 000 000	The Austrian Research Promotion Agency
Austria	4 000 000	Climate and Energy Fund
Belgium – Flanders	1 000 000	Flanders Innovation and Entrepreneurship
Belgium – Wallonia	500 000	Public Service of Wallonia
Denmark	1 000 000	Innovation Fund Denmark
France	2 000 000	Agence de L'Environnement et de la Maitrise de L'Energie
Germany	2 000 000	Forschungszentrum Jülich GmbH
Hungary	300 000	Nemzeti Kutatási Fejlesztési és Innovációs Hivatal
Ireland	500 000	The Sustainable Energy Authority of Ireland
Israel	600 000	Ministry of Energy
Italy	500 000	Ministero dell'Istruzione, dell'Univerista' e della Ricerca
Netherlands	1 600 000	The Netherlands Organisation for Scientific Research
Norway	1 100 000	Research Council of Norway
Poland	500 000	National Centre for Research and Development
Romania	500 000	Executive Agency for Higher Education, Research, Development and Innovation Funding
Scotland (UK)	2 000 000	Scottish Enterprise
Spain	700 000	Centro para el Desarrollo Tecnológico Industrial E.P.E.
Sweden	6 000 000	Swedish Energy Agency
Switzerland	1 100 000	Federal Department of the Environment, Transport, Energy and Communications
Switzerland	1 000 000	Innosuisse – Schweizerische Agentur für Innovationsförderung
Turkey	1 000 000	The Scientific and Technological Research Council of Turkey
Total sum	29 900 000	

ERA-Net SES 2018 Joint Call scope and ambition

The ERA-Net SES 2018 joint call focuses **on the development of Integrated Local and Regional Energy Systems**. It originates from the corresponding ERA-Net SES focus initiative that aims at **facilitating cross sectoral, holistic approaches** for enabling regions and local communities to move towards a decarbonized energy system by 2030. The joint call emphasises **solutions answering to specific critical needs** within a local/regional energy system, where a “need-owner” is identified and involved in the solution development.

Requirements for project proposals

- Transnational consortium
- Develop **innovative energy system solutions** within the Technology Readiness Levels 5-7
- Implement the **Three-Layer Research Model** encompassing Stakeholder/Adoption, Goods and Services, and Technology
- Address the **Three Dimensions of Integration**, namely Smart Energy System Integration, Integration with Local and Regional Development, and Cross Sectoral Integration
- **Address critical needs** within a specific regional/local energy system

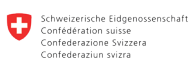
Benefits for projects funded under ERA-Net SES

- **Network of Associated Partners** bringing in the “need-owner” perspective and supporting projects from proposal phase until market up-take of the developed solutions
- Membership in a **European Knowledge Community** enabling exchange with other experts in the field and bringing project results to a broad audience
- Administrative, communication and content-related **support by the ERA-Net SES Team** through information material, events and feed-back loops during the project lifetime

Find more detailed information about the ERA-Net SES 2018 Joint Call in the call text at our website:

www.eranet-smartenergysystems.eu.

ERA-Net Smart Energy Systems Funding Partners



ERA-Net Smart Energy Systems is supported by funding from the European Union's Horizon 2020 research and innovation programme.