



ERIGrid 2.0 – European Research Infrastructure supporting Smart Grid and Smart Energy Systems Research, Technology Development, Validation and Roll Out – Second Edition

Project Overview and Research Infrastructure Access Possibilities



IRED 2022

9TH INTERNATIONAL CONFERENCE
INTEGRATION OF RENEWABLE
& DISTRIBUTED ENERGY RESOURCES



Advanced Community

- Long-term
- Pan-European cooperation



- [GA-ID 5189299](#)
- FP6 NoE (01/2005-31/2011)
- 4.1 Mio EUR funding
- 12 partner
- Networking of DER labs, pre-standardization



- [GA-ID 228449](#)
- FP7 RI IA (01/2009-12/2013)
- 6.7 Mio EUR funding
- 16 partner from 12 countries
- TNA to DER labs, pre-standardization



- [GA-ID 654113](#)
- H2020 RI IA (11/2015-04/2020)
- 10 Mio EUR funding
- 18 partner from 11 countries
- TNA to Smart Grid and DER labs, pre-standardization



- [GA-ID 870620](#)
- H2020 RI IA (04/2020-09/2024)
- 10 Mio EUR funding
- 20 partner from 13 countries
- TNA & VA to Smart Grid, Smart Energy Systems and DER labs, pre-standardization

2005

2024



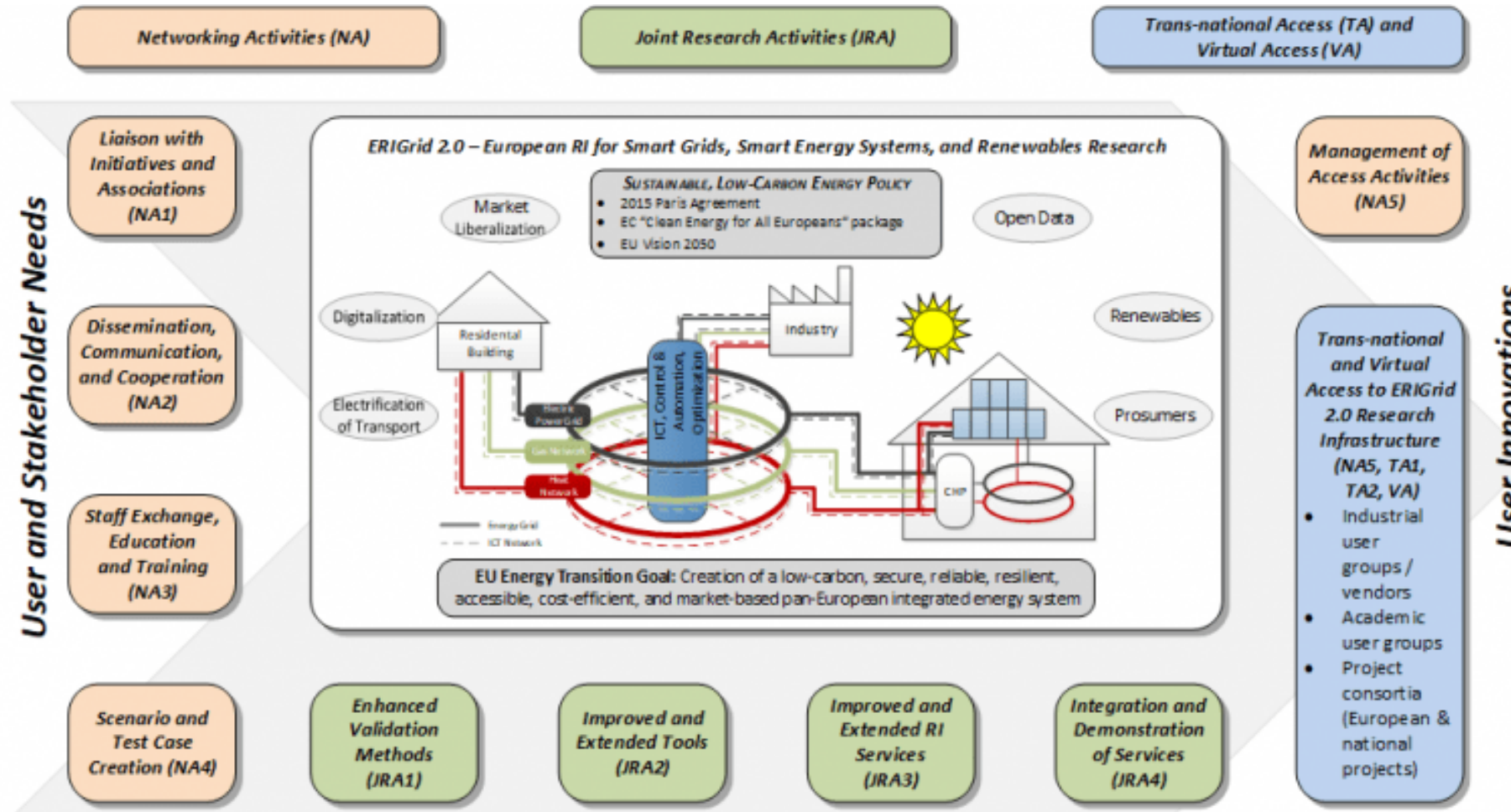
Key Facts

ERIGRID 2.0 – European Research Infrastructure supporting Smart Grid and Smart Energy Systems Research, Technology Development, Validation and Roll Out – Second Edition

- 13 European countries involved
- 20 Partners from research and industry
- 21 top-class smart grid and smart energy systems laboratories
- 8 virtual facilities
- 4.5 years project duration
- 10 Mio funding

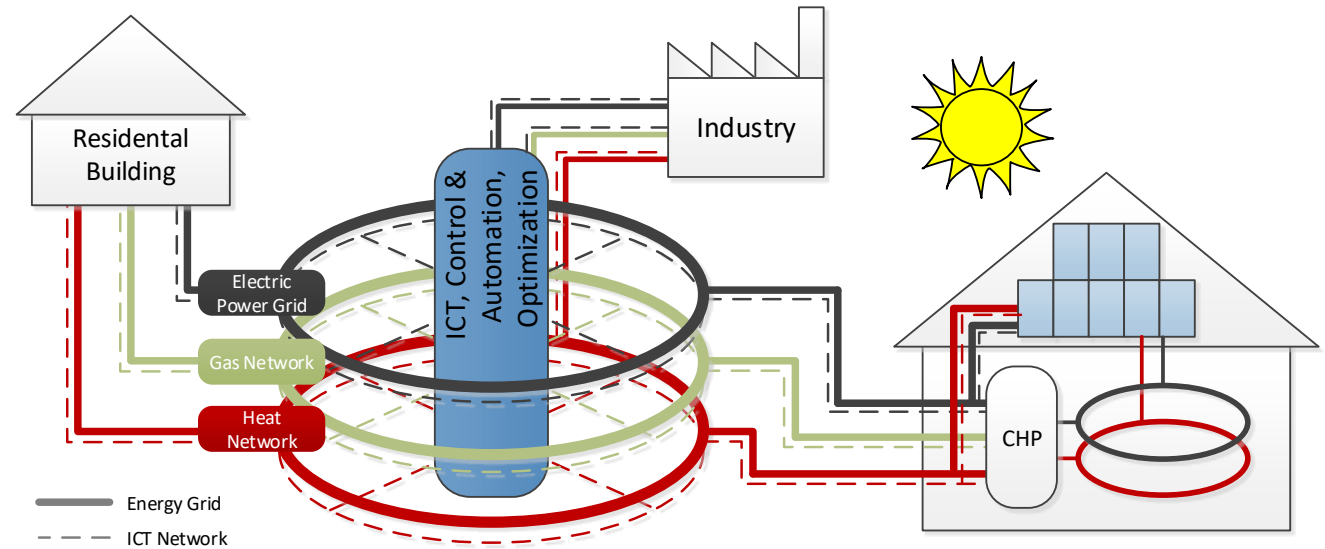


Project Activities



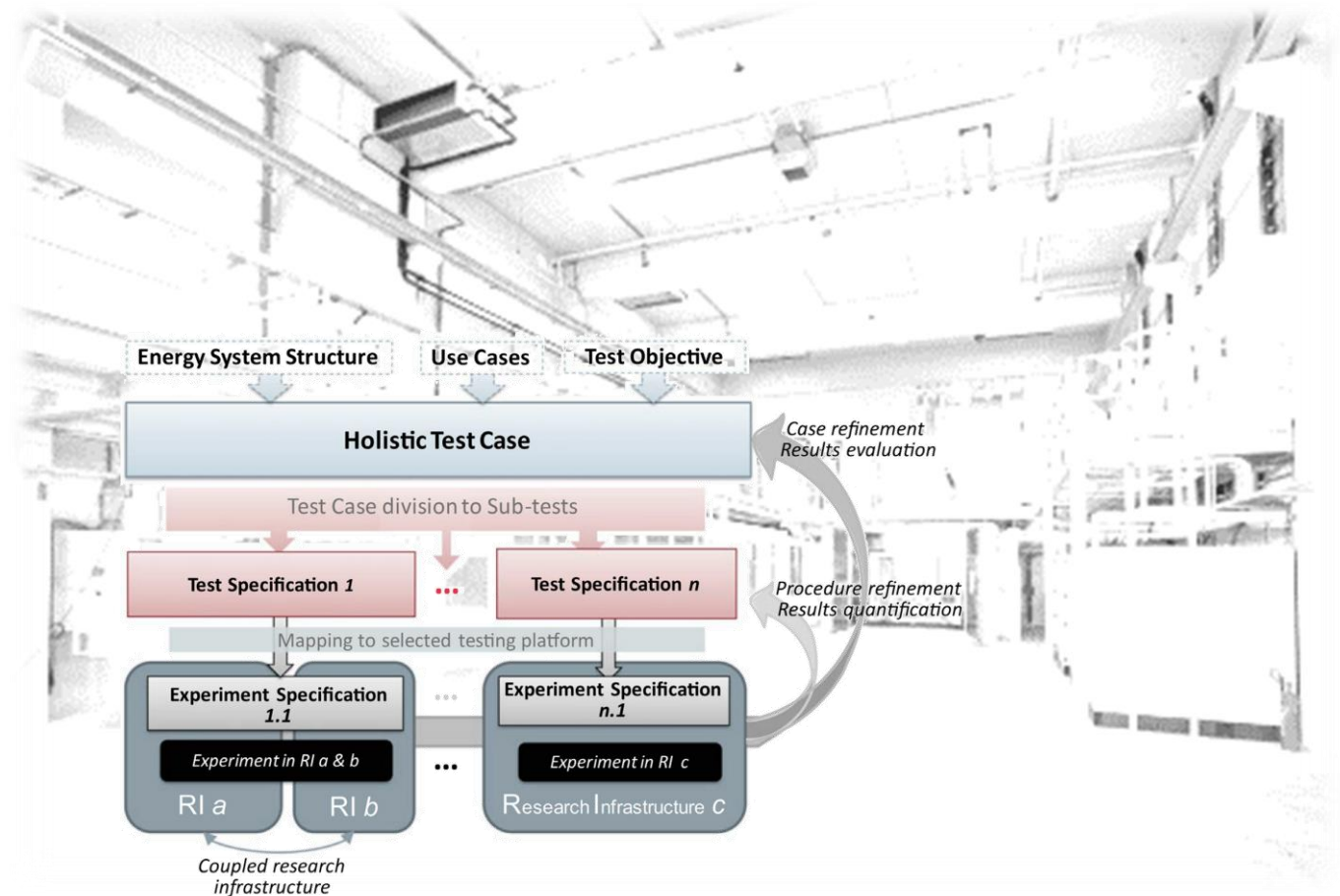
Integrated Smart Energy Research Infrastructure

- ERIGrid 2.0 stands for research and technology development in smart grids and smart energy systems
- It pushes digitalization with lab interfacing and data exchange for physical/virtual access
- It develops simulation, co-simulation, ICT and automation and controls for power and energy systems



Approaches for Smart Energy Technologies

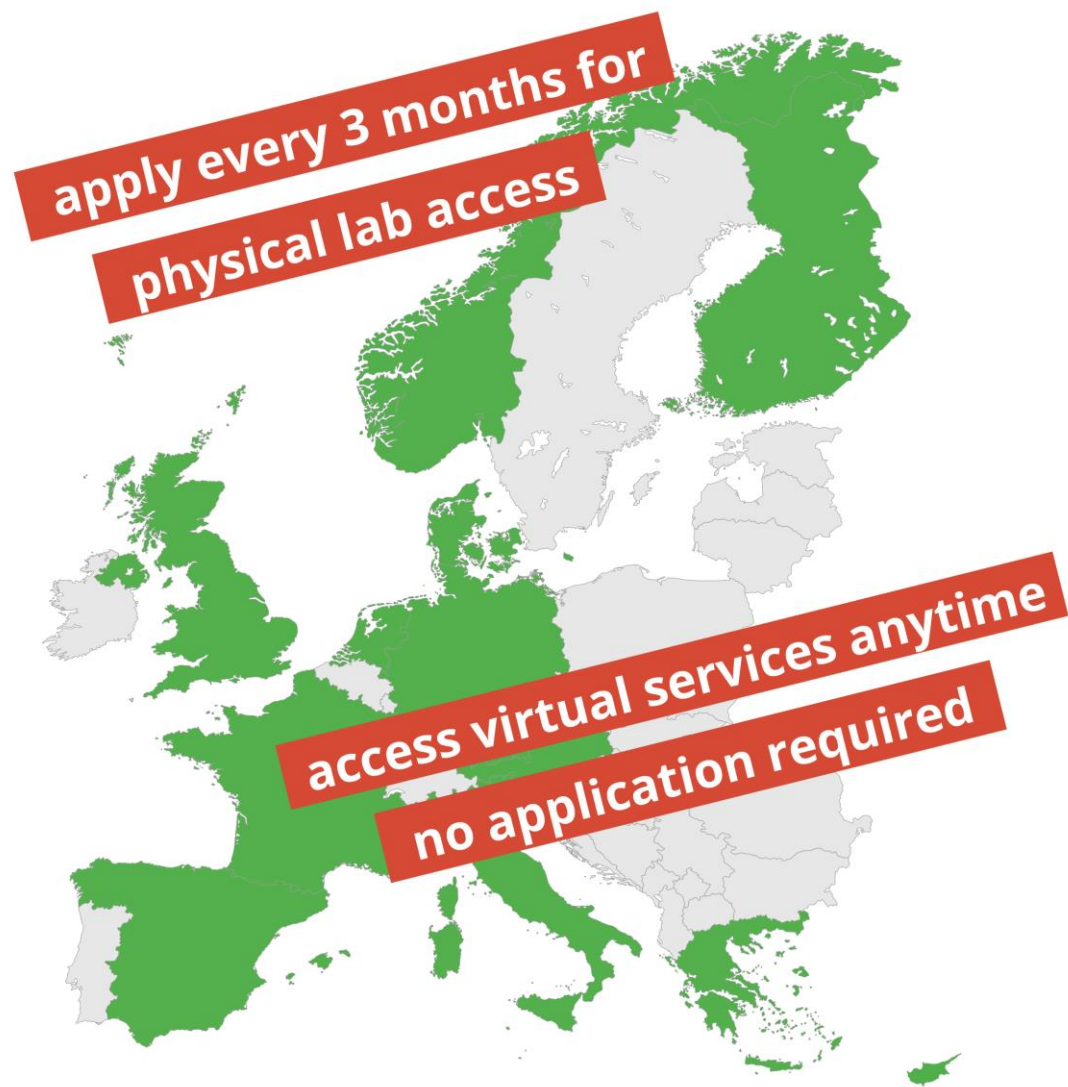
- Validation of cyber-physical and multi-domain systems
- Tools and services for lab interfacing and data exchange
- Research infrastructure services combining real-time simulation, hardware-in-the-loop test setups and physical laboratories



Education and Training

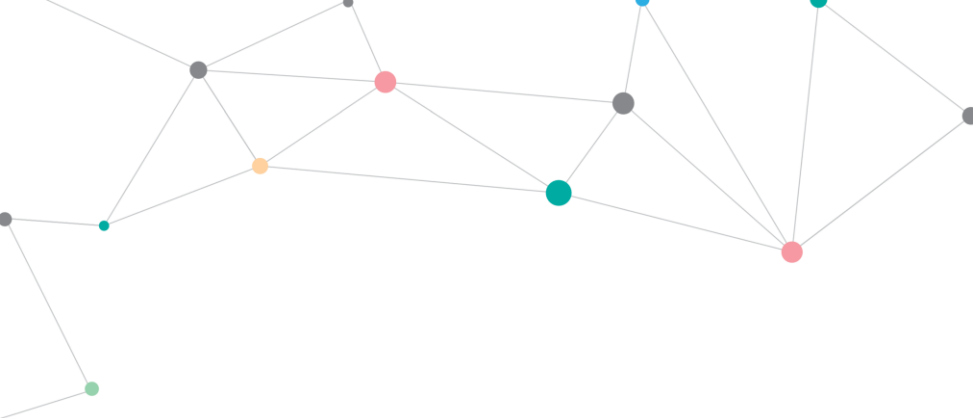
- Education and Training for energy professionals
- Physical and remote workshops, webinars, tutorials, and training schools
- Open access laboratory education
- Provision of e-learning tools and open access resources





<https://erigrd2.eu/lab-access/>





www.erigrd2.eu



@ERIGrid 2.0 Project



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