European Research Infrastructure supporting Smart Grid Systems Technology Development, Validation and Roll Out



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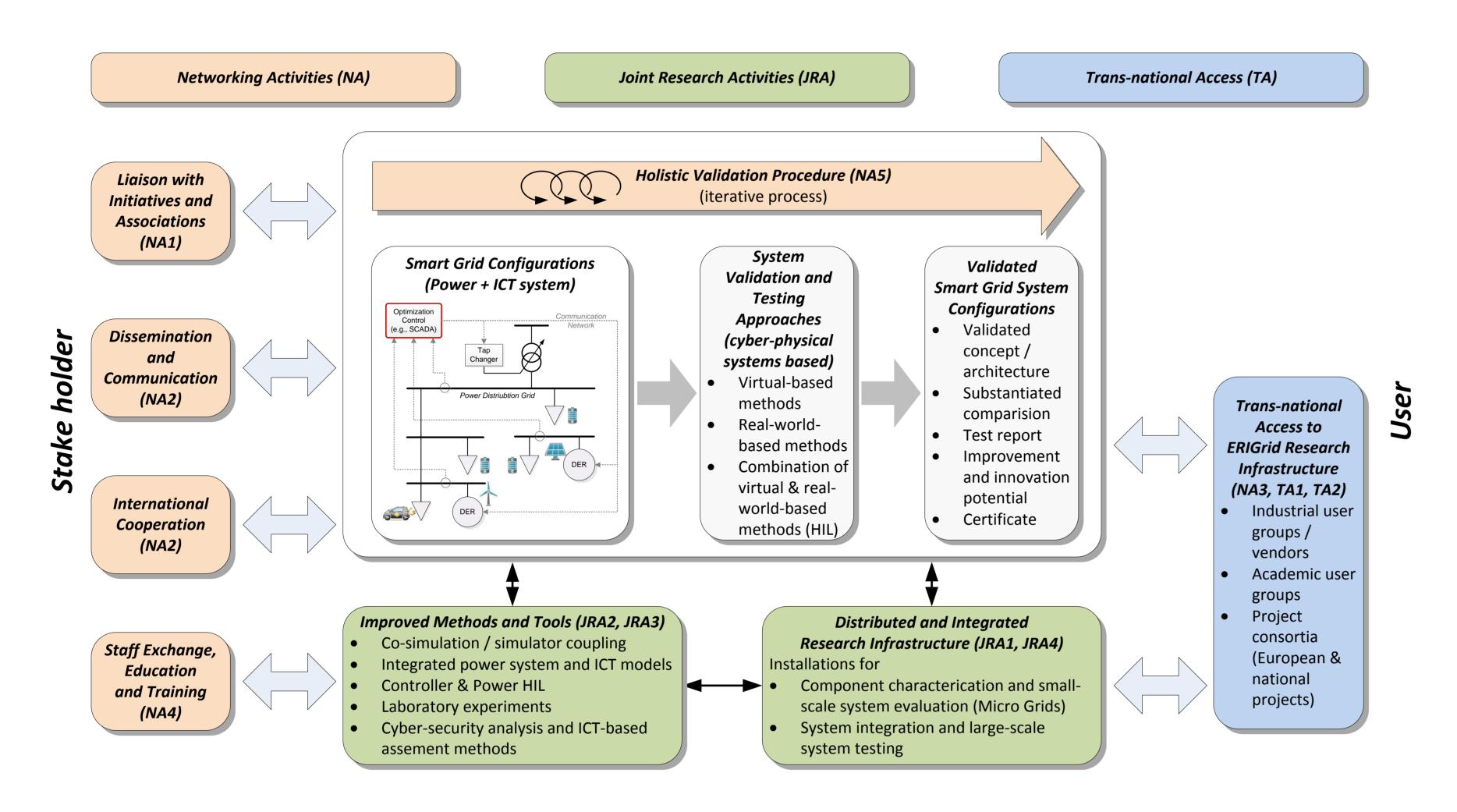
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The ERIGrid project aims to provide to scientists and companies involved in the development of smart grid concepts and solutions with access to concentrated know-how and European research infrastructures

Motivation and Main Goals

- Support the technology development as well as the roll-out of smart grid approaches, solutions and concepts in Europe with a holistic, cyber-physical systems approach
- Integration of major European research centres with outstanding smart grid research infrastructure to jointly develop common methods, concepts, and procedures
- Integrate and enhance the necessary research services for analysing, validating and testing smart grid configuration
- Provide system level support and education for industrial and academic researchers in smart grid research and technology development



Networking Activities (NA)

- Integration of European smart grid research infrastructure
- Reinforced collaboration of key research institutions and industry and utilities
- Staff exchange of researchers, technicians and research infrastructure managers
- Training and education of power system and ICT professionals
- International collaboration

No. of partners

Joint Research Activities (JRA)

- Technology development and roll-out support
- Development of advanced system validation method and tools
- Common models, harmonised validation and deployment procedures
- Implementation of advanced services in the integrated research infrastructure

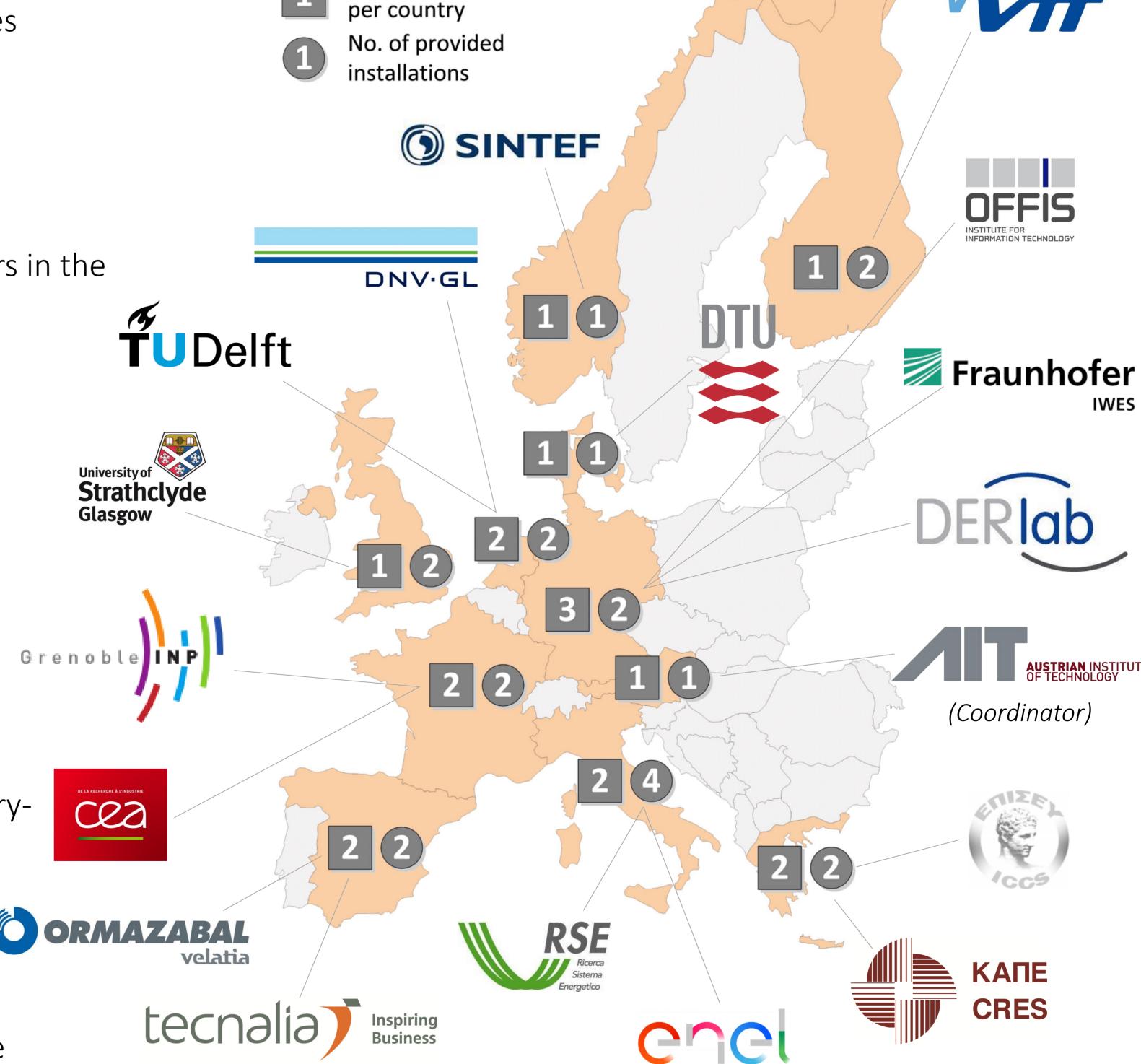
Trans-national Access Activities (TA)

- Provision of user access to research infrastructure of the main players in the European smart grids research area
- Attraction of industry-related user projects

Expected Results and Outcomes

- Extensive overview of various European research possibilities based on the services of ERIGrid partners
- Optimisation of laboratories interconnection
- Minimisation of testing services duplication in Europe
- Addressing the gaps in system integration and validation
- Harmonised procedures, common modelling approaches and standardised representation of results from simulation and laboratorybased experiments
- Dissemination of the gained data to external users and stakeholder groups
- Open access of the user projects' results to the public
- More efficient usage of smart grid research infrastructures in Europe

Involved Partners and Laboratories



Project Duration:

1 November 2015-30 April 2020

Contact:

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