

Become INTERPLAN Stakeholder

Are you involved in the field of grid operation (both transmission and distribution levels), grid codes and regulations?

Do you want to contribute to enhancing Europe's future grid operation?

Let us consult with you about INTERPLAN developments and outcomes through surveys, interviews and workshops!

Your benefit:

- Advance disclosure of information and results from within the project
- Networking with the consortium and other stakeholders
- Participation in project events
- Travel costs for stakeholder events reimbursed, under INTERPLAN regulations

To become an INTERPLAN stakeholder, please refer to:

interplan-project.eu/stakeholders

INTERPLAN

INTEgrated opeRation PLANning tool towards the pan-European network

Key words

Integrated operation planning, pan-European network, interconnected EU grids, TSO-DSO interfaces, grid clustering, grid equivalents library, cluster and interface controllers, flexibility sources

Partners

Coordinator: 



EU Horizon 2020 call topic

LCE-05-2017

Tools and technologies for coordination and integration of the European energy system

Budget

3 million EUR

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This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No. 773708

INTERPLAN

Transforming Grid Operation Planning



interplan-project.eu

1 November 2017 – 1 November 2020

Scope & Objectives

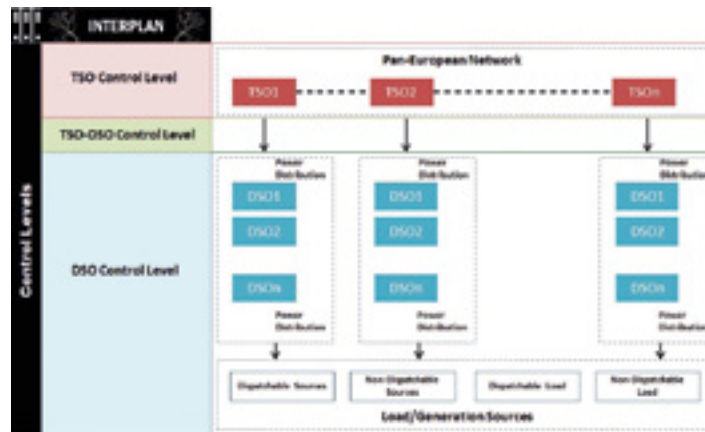
INTERPLAN is an EU H2020 project that aims to provide an **INTE**grated ope**R**ation **PLAN**ning tool towards the pan-European network in order to support the EU in reaching the expected low-carbon targets while maintaining network security.

This will be realised through:

- Technical and regulatory assessment of European electricity grid
- Identification of scenarios and use cases addressing future network planning and operation
- Identification and characterisation of a clustering method for all voltage levels
- Development of a detailed approach for generating grid equivalents
- Development of cluster and interface controllers
- Testing and validation of the developed models and tools
- Consulting with experts continuously in the development process

Methodology & Innovative Tool

INTERPLAN will develop a methodology for the proper representation of a clustered model of the pan-European network and generate grid equivalents. By addressing operation planning issues at all network levels (transmission, distribution and TSO-DSO interfaces), this set of grid equivalents will cover all relevant system connectivity possibilities in the real grid.



The INTERPLAN methodology will lead to the development of an integrated tool considering all voltage levels (high to low) and a bridge between grid operation and static and long-term planning. To ensure the security of supply, INTERPLAN will develop proper cluster and interface controllers.

Impact

INTERPLAN will have a significant impact on Europe's network operation, such as:

- Optimised grid planning and design at European level maximising the share of renewables
- Developed safe, secure, efficient and coherent data handling procedures that enable more cross-border trading and real-time balancing
- Enabling new flexibility services to the grid, new business opportunities and offering access to cheaper energy
- Increasing the potential of exchanges between energy networks, enhanced security of supply
- Consumer engagement in the design of infrastructure and demand-response

By involving industry stakeholders in the development process and continuously obtaining their feedback, INTERPLAN will ensure that the project outcomes cater for the needs of DSOs and TSOs.