



Innovations in System Operation up to 2030

Supported by:



on the basis of a decision
by the German Bundestag

InnoSys 2030 - Innovations in System Operation up to 2030



Research objective

Higher grid utilization by system wide coordinated use of

- horizontal load-flow control
- curative remedial actions and a
- higher degree of system automation while not endangering the level of **system security**

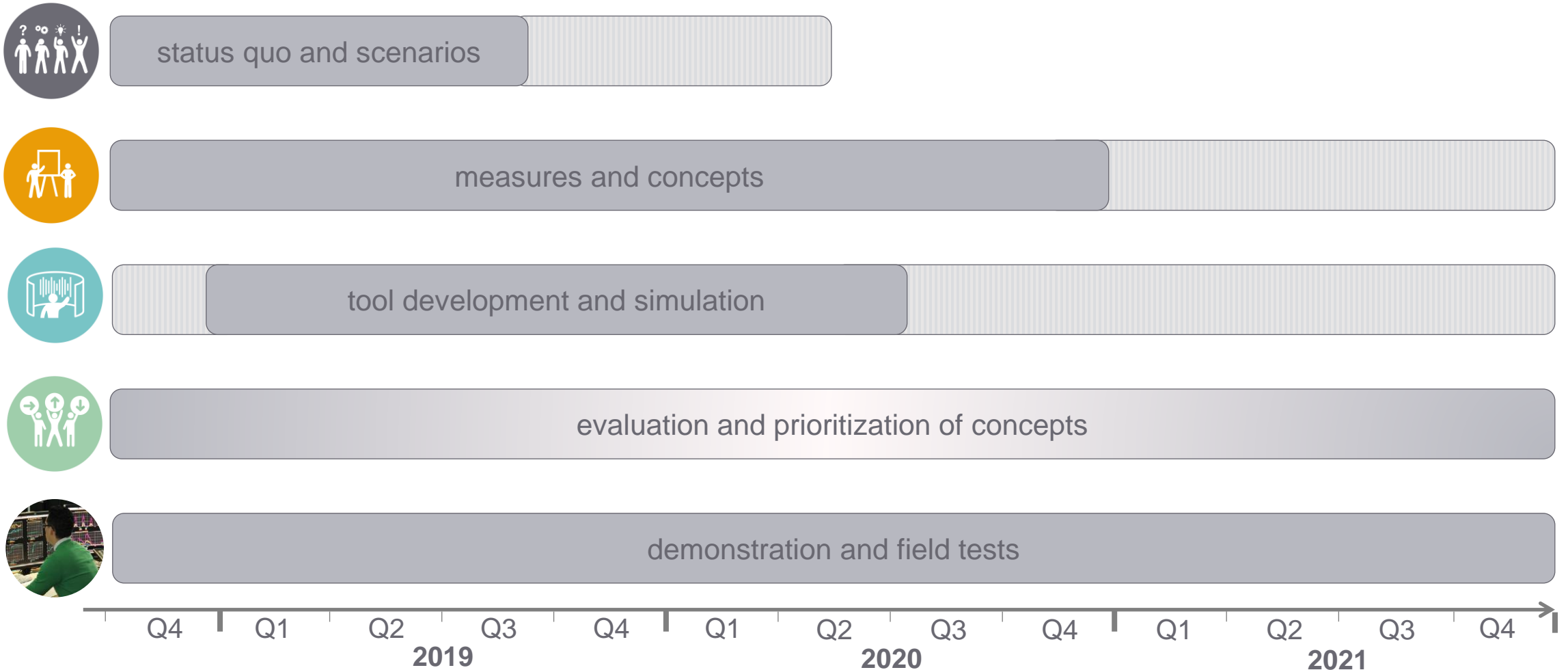
- Project time: October 2018 – December 2021
- Head of consortium: TenneT TSO GmbH
- Funded by the German Ministry for Economics and Climate Action with 9.375 Mio. EUR

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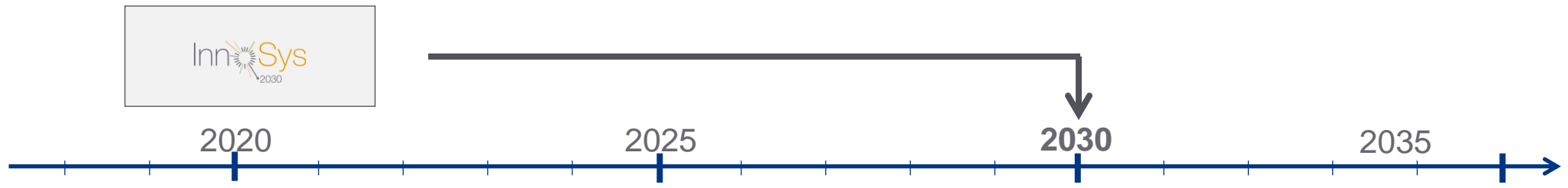


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Project phases



Deliverables and reference year



technical development



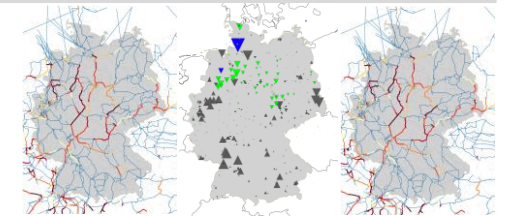
concept descriptions



simulation

simulation of reference years 2030 and sensitivities – stationary and dynamic

- effectiveness of concepts, concept mix and negative side effects
- voltage and angle stability



assessment of effectiveness and practical feasibility



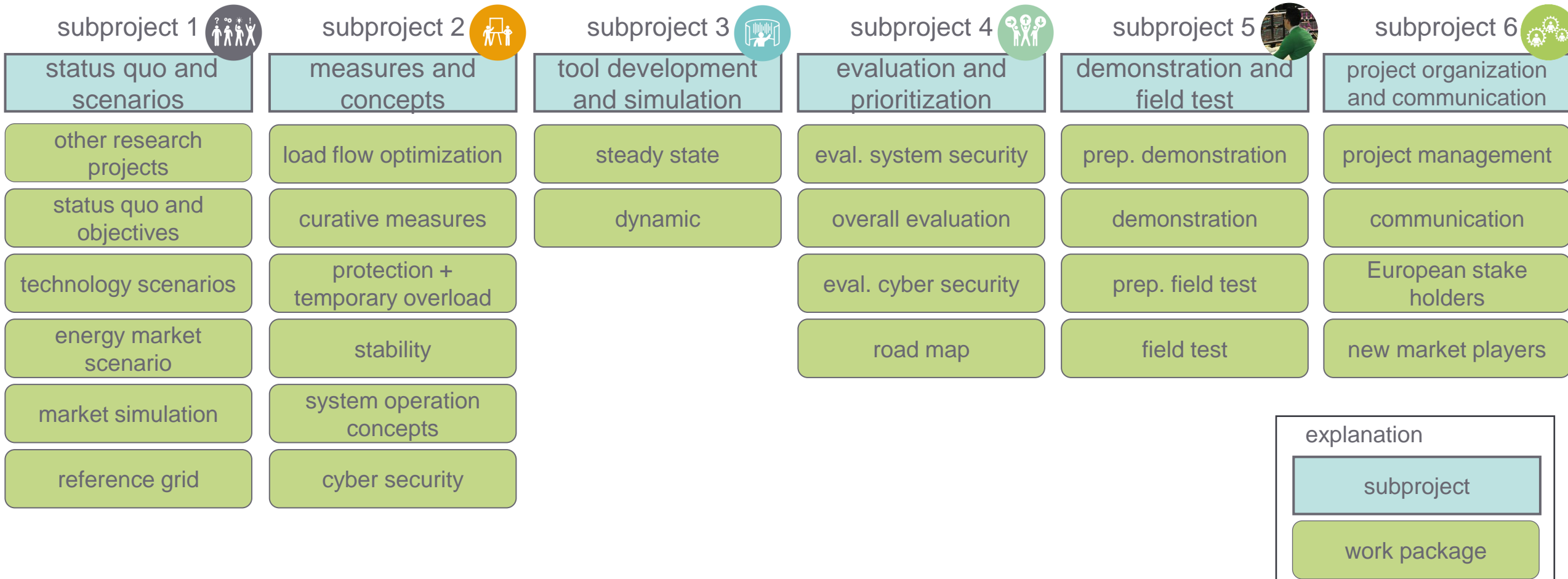
concept demonstration in control room demonstrators and field tests

implementation plan

Roadmap



Work breakdown structure



Further information and documents

Factsheets

- Mechanism of action - curative congestion management
- InnoSys system operation process
- InnoSys roadmap

Reports

- final report
- Executive summary of the final report
- InnoSys system operation process (German: InnoSys-Systemführungsprozess)
- InnoSys roadmap

Presentations

- InnoSys project presentation
- InnoSys core messages



www.InnoSys2030.de - InnoSys@tennet.eu

InnoSys 2030



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