

InnoSys 2030

Innovations in System Operation up to 2030

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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: 10/2018 – 09/2021
- Head of consortium: TenneT TSO GmbH
- Funded by the German Ministry for Economic Affairs and Energy with 9.375 Mio. EUR

Supported by:



on the basis of a decision
by the German Bundestag

Project phases



subproject 1
status quo and
scenarios



subproject 2
measures and
concepts



subproject 3
tool development
and simulation



subproject 4
evaluation and
prioritization of
concepts



subproject 5
demonstration and
field tests

Deliverables and reference years



technical development
concept descriptions



simulation

simulation of reference years 2030 and partially 2025 and 2035

- 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

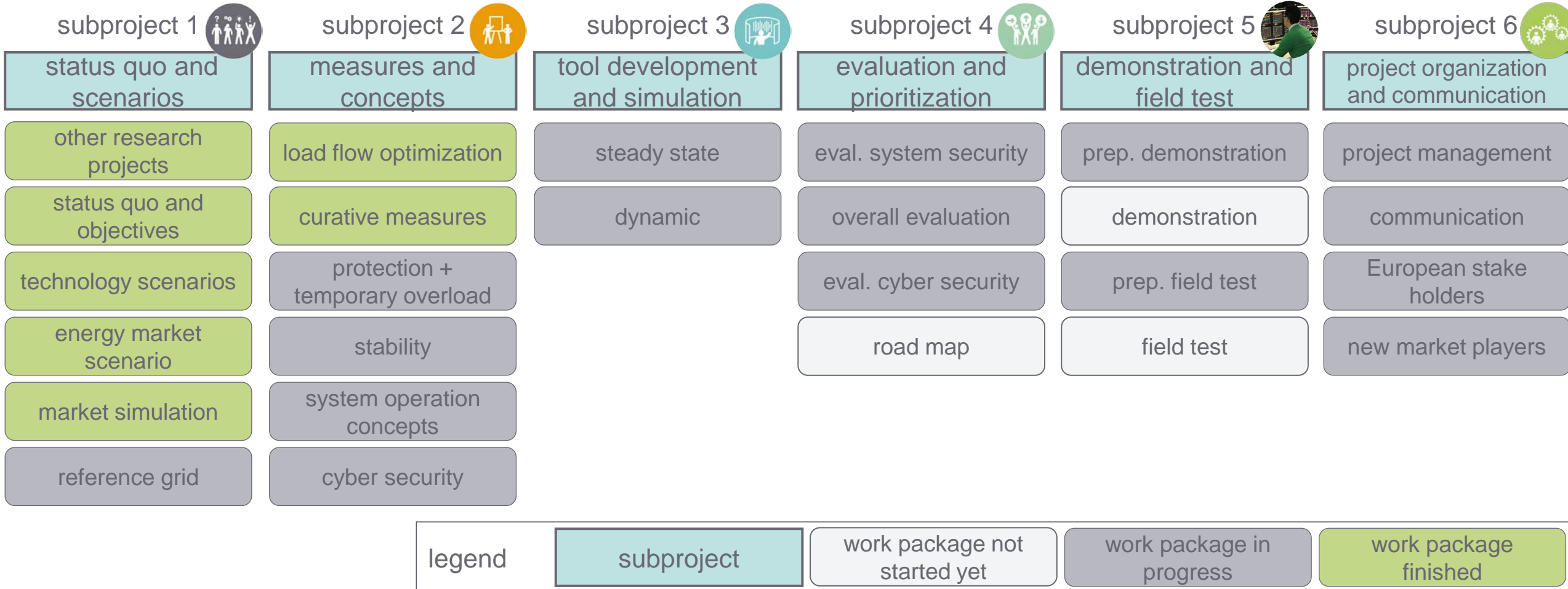


implementation plan

Roadmap



Work breakdown structure



Subprojects

