



ITEAS



# openETCS

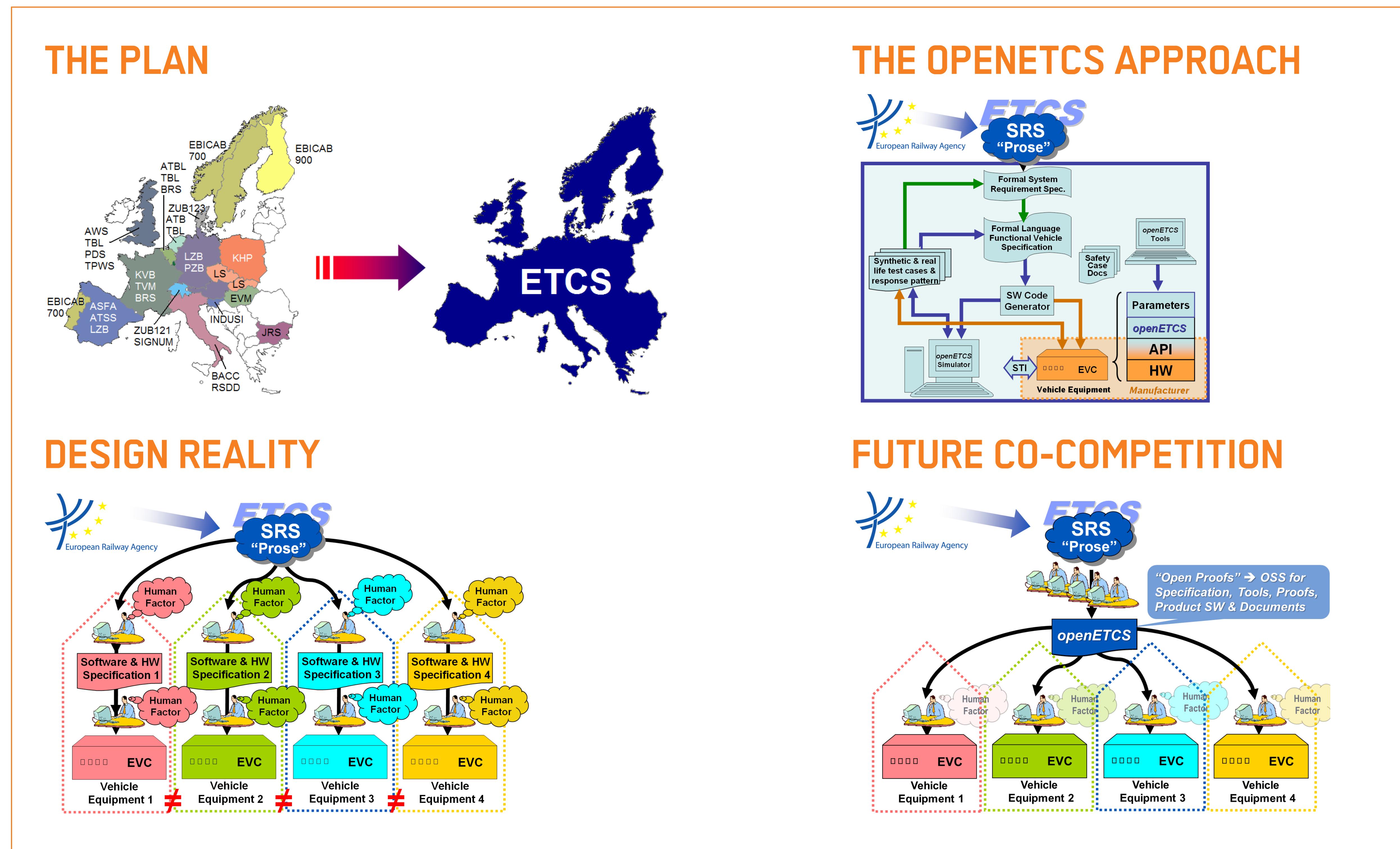
## Open Proofs for the European Train Control System

### PROJECT SUMMARY

openETCS is a first industrial implementation of “**open Proofs**”, which requires all artefacts for specifying, code generation, maintaining, verification and validation and all tools to be open source licensed.

### UNIQUE SELLING POINTS / BUSINESS VALUE

- **Open Source Principles:** Avoiding vendor lock-in and securing knowledge for extended life-cycles, and initiating a co-competitive eco-system.
- **Superior Interoperability:** By applying formal methods for functional specification avoiding ambiguities.
- **Sustainable Systems:** Minimizing obsolescence costs by using open API architecture and tool chain.



### EXPECTED RESULTS

- Formal System Requirement Specification and Executable Model
- Open Software Tool Chain, and
- Non-vital OBU Reference Unit

**openETCS**

#### Project leader

Klaus-Rüdiger Hase - DBNetz AG, Germany

#### Email address project leader

ProjectOffice@openETCS.org

#### Project website

<http://www.openetcs.org/>

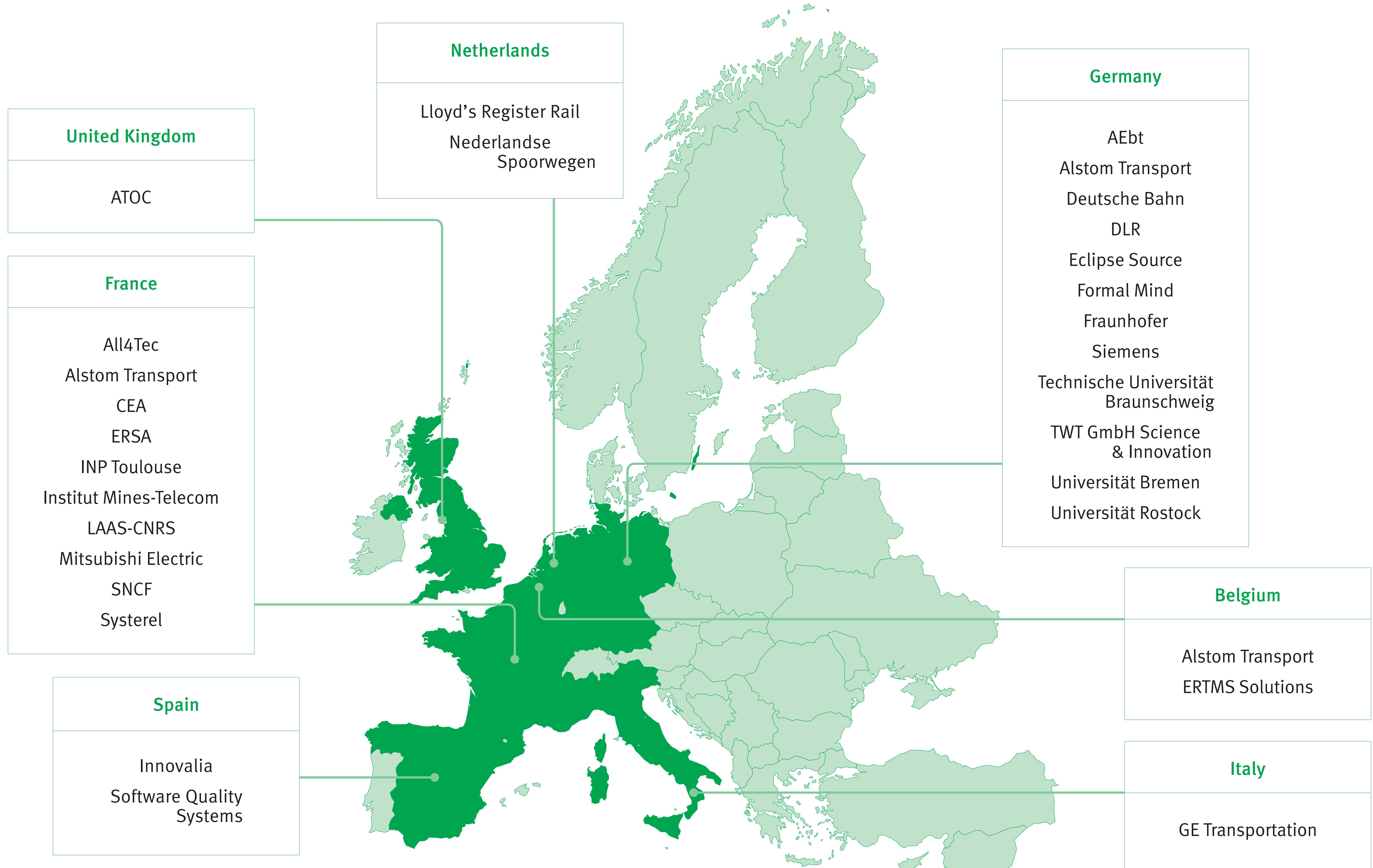
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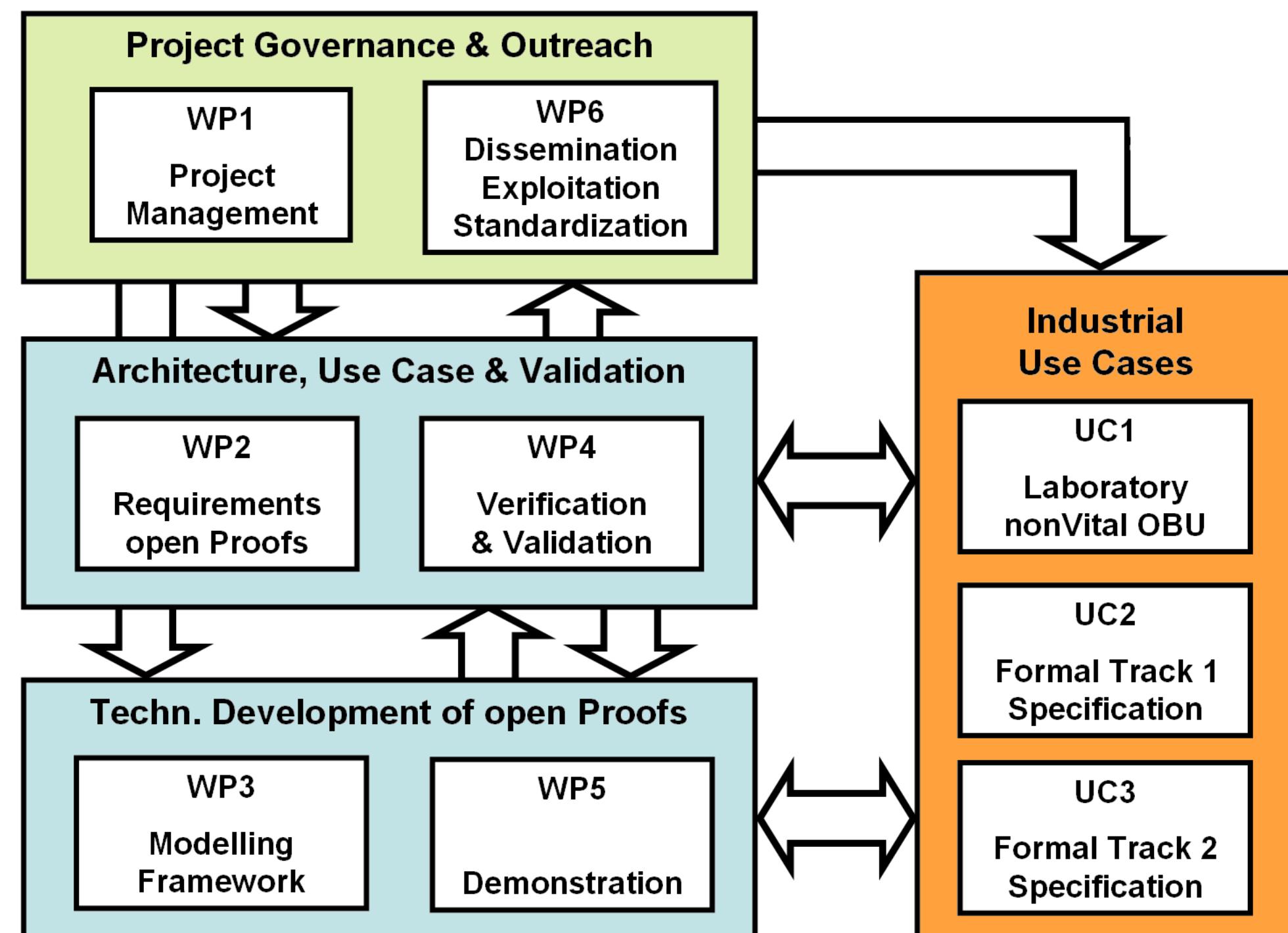
### PROJECT CONSORTIUM

**START DATE** 2012

**END DATE** 2015



### WORK PACKAGES OVERVIEW



### SUPPORTED BY



### openETCS PROJECT PARTNERS

- Large companies (15)
- SMEs (7)
- Universities (5)
- Research institutes (4)



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