



An ITEA Smart engineering project

EMBrACE

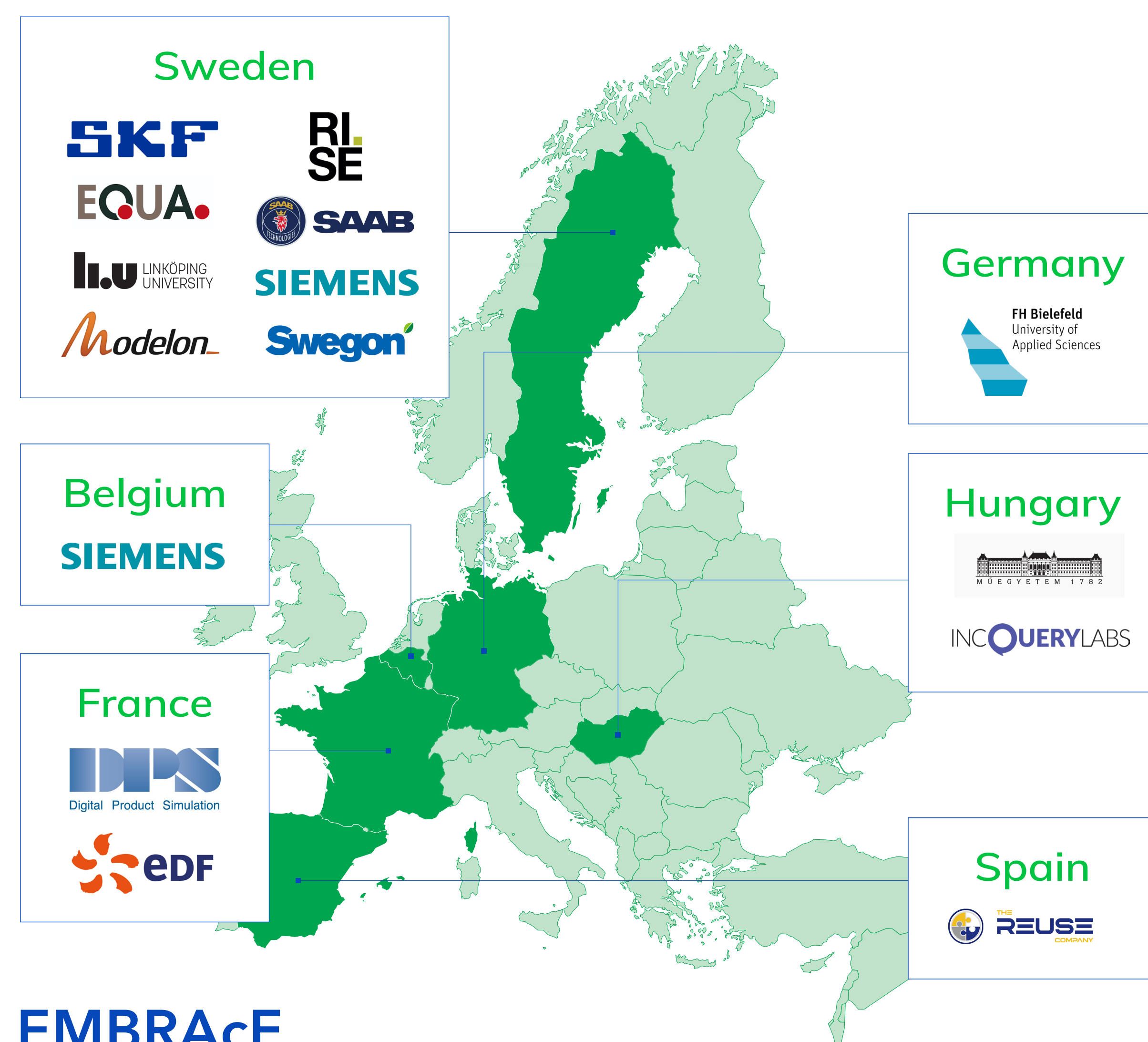
25 years  **ITEA** 4
1998 – 2023

Co-designing cyber-physical systems to enable the energy transition

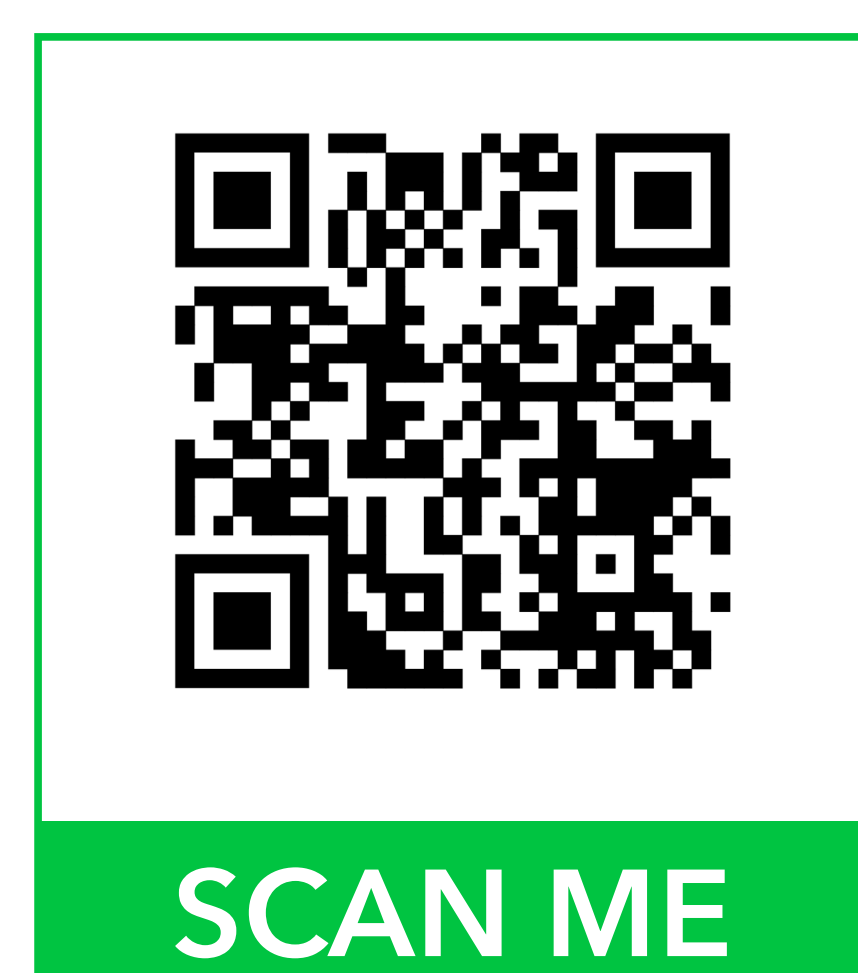
Project summary

The next industrial revolution will be based around renewables, electric mobility and connected objects, bringing together an increasing number of players and domains. This energy transition will alter the design and operation of large, complex cyber-physical systems (CPS) – such as power plants and aircraft. The ITEA project EMBRACE will therefore provide an open, user-friendly environment for co-design based on a common requirements modelling language.

Consortium



EMBRACe project website



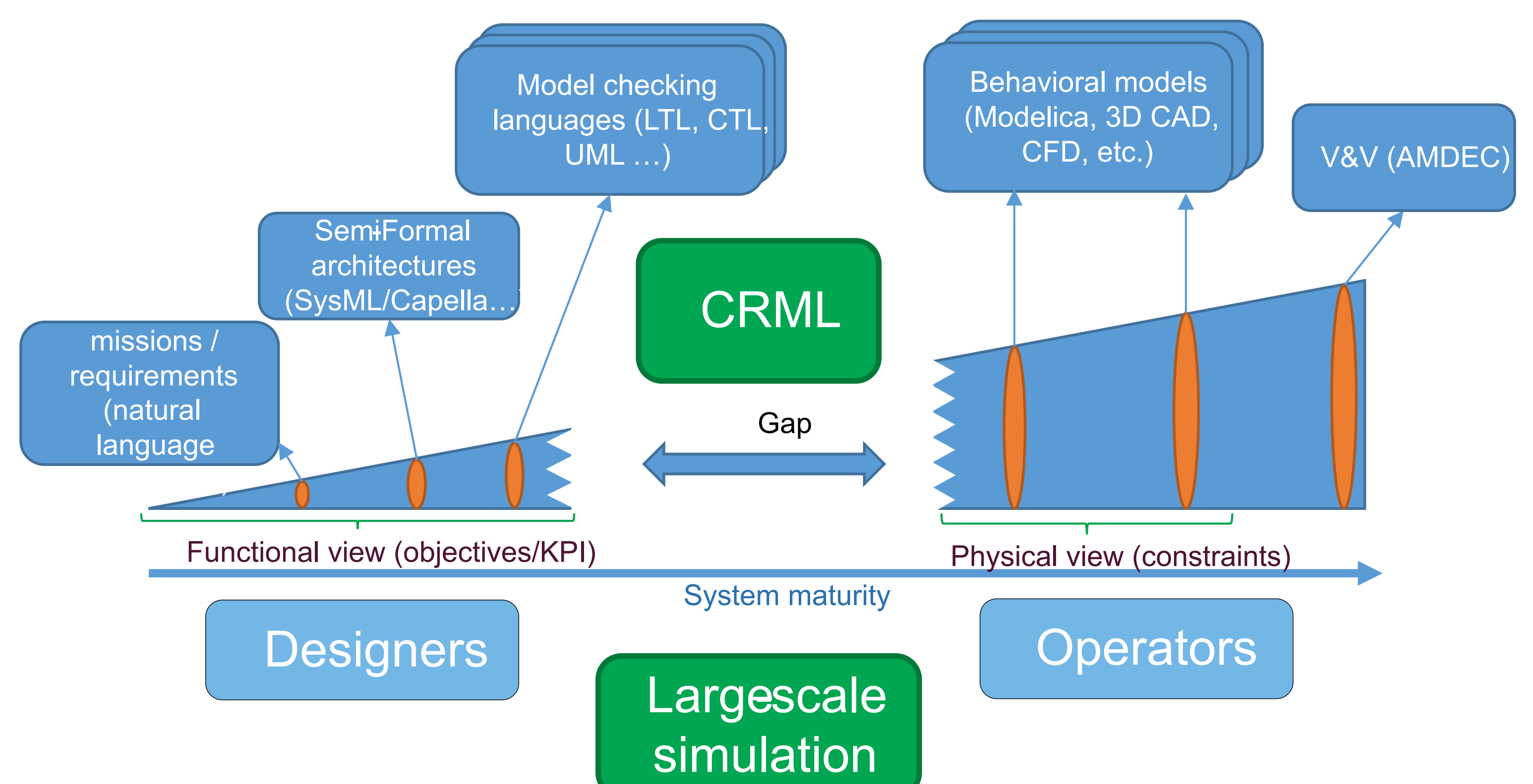
<https://embrace-project.org/>

Project duration

November 2019 - June 2023

Key results

- CRML specification and prototype CRML to Modelica compiler released
- Improved large scale systems and cloud support in partner tools (IDE-ICE, Modelon Impact and OpenModelica)
- Enhanced interoperability with SSP and SySML support in partner tools (SimCenter, Catia, OMSimulator, IncQuery suite)



Contact

Lena Buffoni
Linköping University - Sweden
E: lena.buffoni@liu.se T: +46 13 28 40 46

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