An ITEA Smart Engineering project
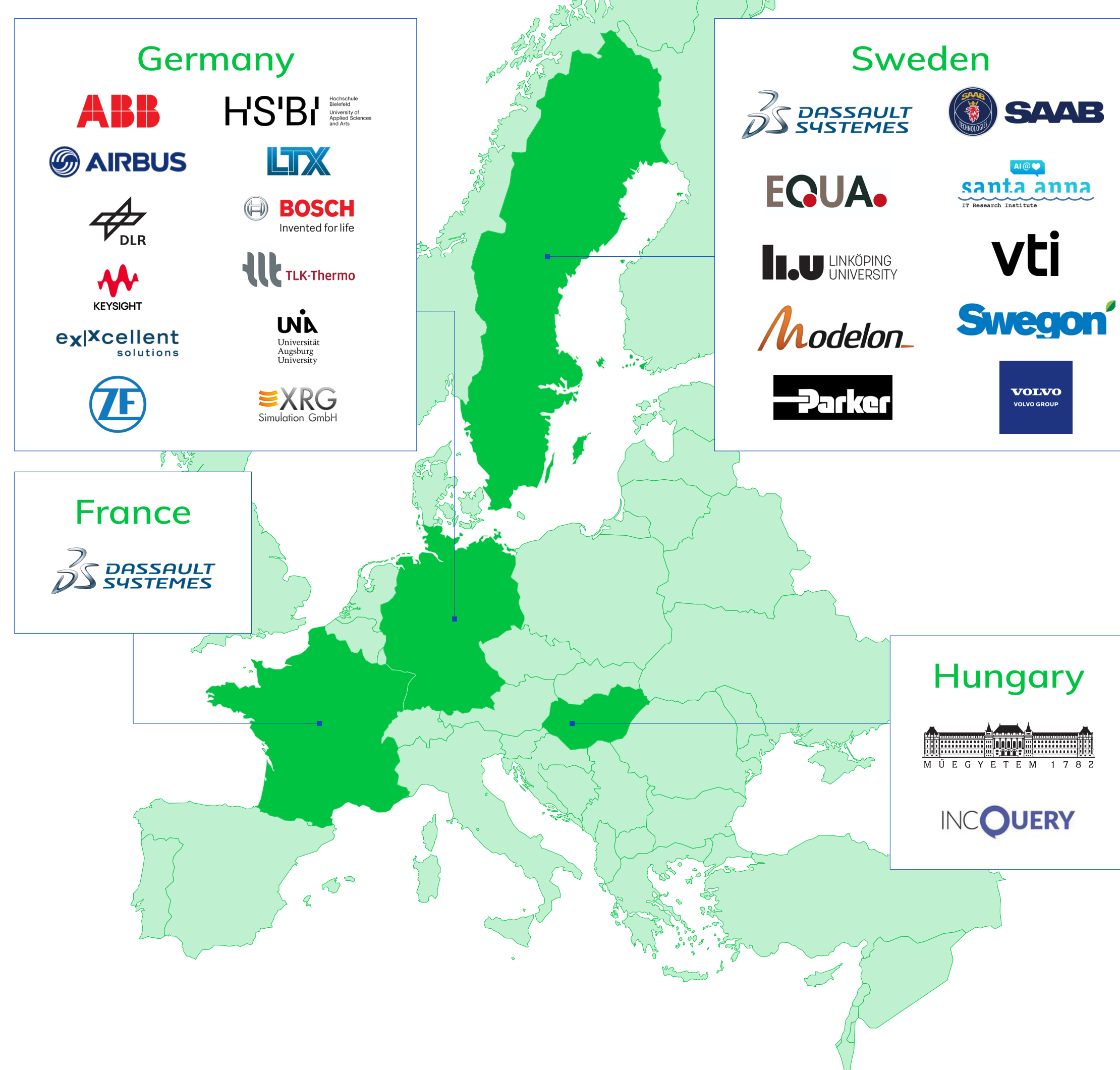
OpenSCALING

ITEA4

Extending open standards to scale-up virtual engineering of sustainable solutions

Project summary

To achieve long-term sustainability goals, the ITEA project OpenSCALING (Open standards for SCALable virtual engineerING and operation) will enhance open standards and modelling/ simulation tools to better support and optimise large-scale systems (LSS) and distributed controllers.

Consortium

Germany
- ABB
- HS'BI
- AIRBUS
- LTX
- DLR
- BOSCH Invented for life
- KEYSIGHT
- TLK-Thermo
- ex|Xcellent solutions
- UNA Universität Augsburg University
- ZF
- XRG Simulation GmbH

Sweden
- DASSAULT SYSTÈMES
- SAAB
- EQUA.
- santa anna
- LiU LINKÖPING UNIVERSITY
- vti
- Modelon
- Swegon
- Parker
- VOLVO

France
- DASSAULT SYSTÈMES

Hungary
- MŰEGYETEM 1782
- INCQUERY

OpenSCALING Project webpage

SCAN ME

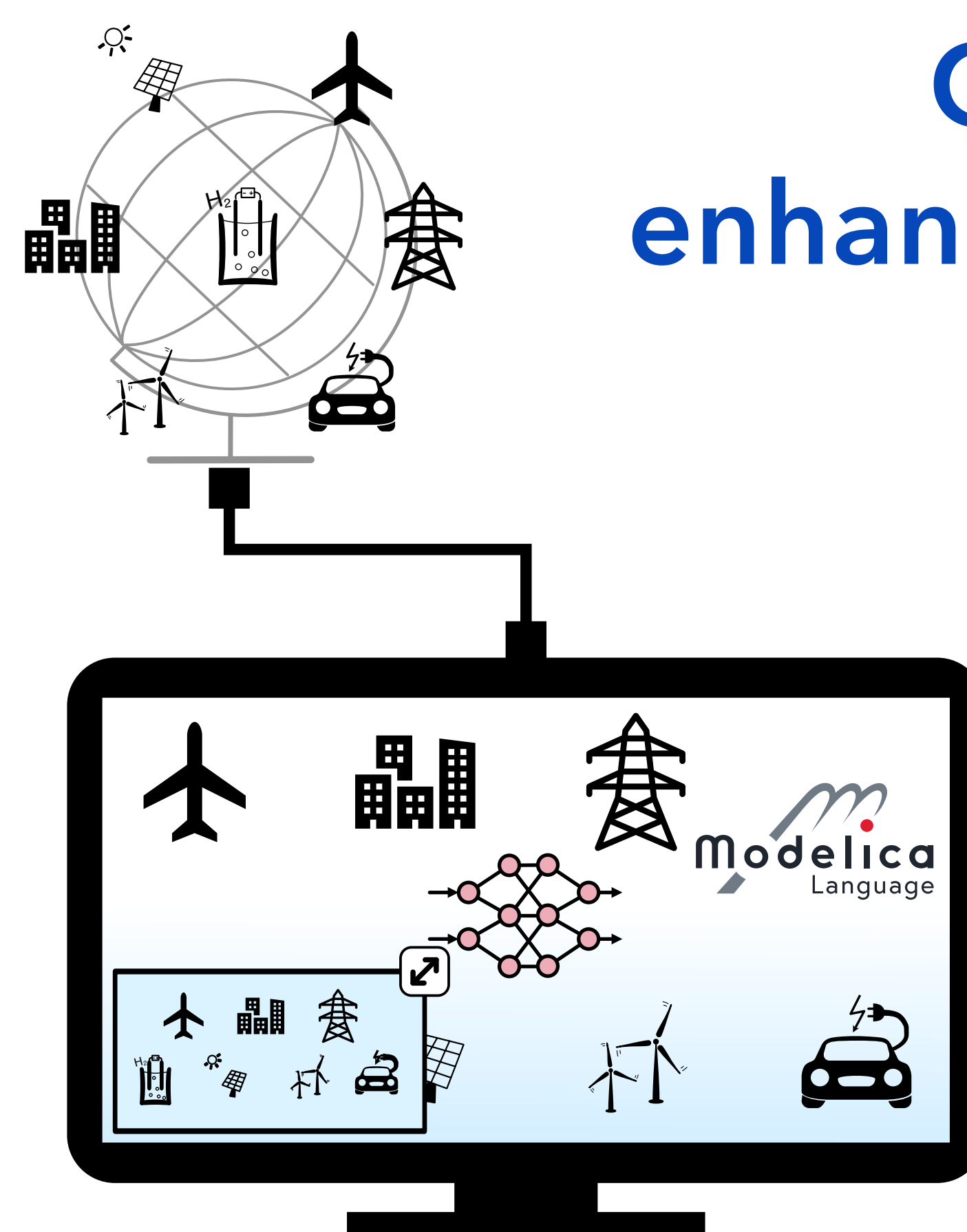itea4.org/project/ openscaling.html

Project duration

November 2023 - January 2027

Expected key results / USPs

- › 100x faster simulation, 1.000x faster simulation start-up
- › Handle large-scale systems described by >1 million equations
- › Standardized uncertainty information leveraged in an credible simulation workflow

OpenSCALING will enhance open standards and modelling / simulation tools

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