Introduction to ITEA

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European innovation landscape

European

Innovation Programmes following **European Strategy**

National

Develop & Maintain **Critical Mass** & **Differentiation**

EUREKA

Trans-National Programmes following **National Priorities**

EUREKA Cluster ITEA 3
Software innovation

- ITEA stimulates transnational and industry-driven R&D&I in the domain of software innovation. ITEA enables a global and knowledgeable community to collaborate in funded projects that turn innovative ideas into new businesses, jobs, economic growth and benefits for society.

- **ITEA is:**
  - Global and trusted cooperation in an industrial community
  - Project financing through national public and private funding
  - Commercialisation of research results
  - Focus on high-quality process and support

ITEA facts and figures

Total number of projects
254

Total project costs
€ 3332 M

Growing number of partners

ITEA (Call 1-8):
- 545 unique partners
- 228 SMEs

ITEA 2 (Call 1-8):
- 984 unique partners
- 483 SMEs

ITEA 3 (Call 1-4):
- 820 unique partners
- 445 SMEs

Yearly call for projects
2-stage process

- Consortium building – Project Outline Preparations Days event (September)
- **Phase 1: Submit a Project Outline (PO)**
  - Short project overview: project goals, innovation, targeted business impact and consortium
- **Phase 2: Submit a Full Project Proposal (FPP)**
  - Description of project plan, management and execution
- Funding & Project Start-up
  - Each ITEA project partner can apply for national funding in their own country
  - Project start-up after national approvals

Yearly call for projects
2-stage process

- During the 2-stage procedure, industrial experts evaluate the quality of the project proposal in terms of innovation, impact and consortium.
- During the project lifetime, ITEA provides full-cycle project monitoring in a peer-to-peer mode with online reporting and physical reviews to improve quality and value creation of projects.

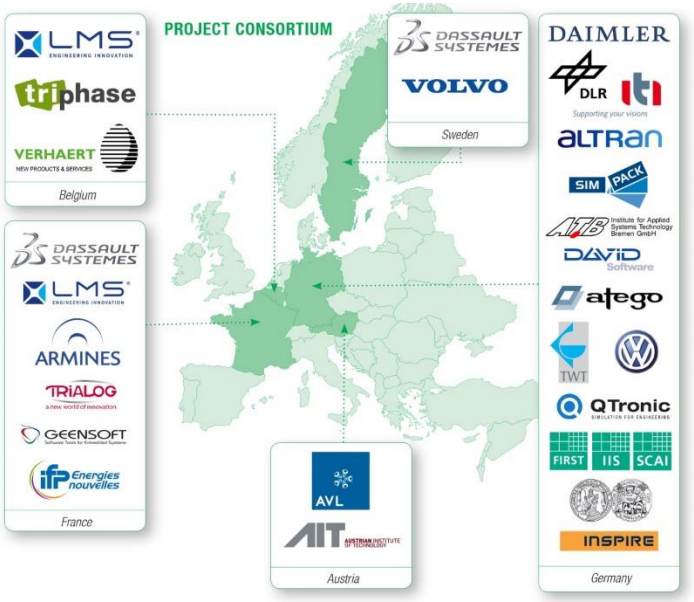
ITEA has an ISO 9001 certified Quality Management System in which stakeholder satisfaction is measured continuously within the ITEA Community. In 2018, ITEA Project leaders:

- Evaluated the ITEA programme (in comparison to other EU programmes) with a 4.3 (5-point scale) and would recommend (100%) ITEA to their colleagues and friends
- Evaluated the relevancy of project reviews for the project with a 4.25 (5-point scale)

MODELISAR

Setting a global standard in the automotive domain

Modelling and simulation is essential in the automotive industry. The MODELISAR project developed a worldwide open standard (FMI) to integrate different simulation environments in the automotive domain



Start date: July 2008
End date: December 2011

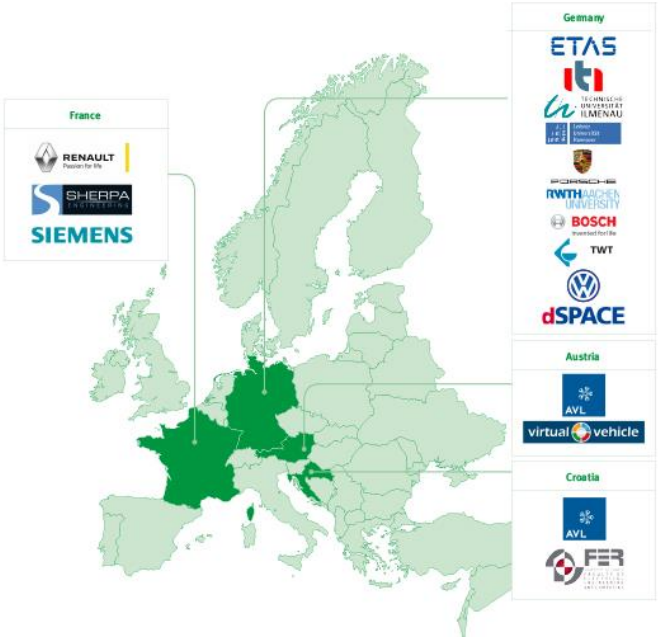
The FMI standard is currently supported by some 100 modelling, simulation, code generation and testing tools offered by more than 50 tool - free or commercial - suppliers

- Dassault Systèmes delivers six FMI compatible tools to dozens of customers who are leading manufacturers of complex systems like aircraft, cars and energy systems. These ‘open’ tools are key enablers in these companies‘ product development processes.
- Together with major automotive OEMs inside the VDA PLM & ProStep iViP Consortium, AVL has become one of the leading players in interfacing tools for design, validation and optimisation based on FMI.
- Siemens Industry Software NV (Belgium) has created two new product categories in its business: Virtual Sensing, and Hardware-in-the-loop & Human-in-the-loop simulations, that have contributed significantly to entry into new, rapidly growing markets.

ACOSAR

Advanced Co-simulation Open System ARchitecture

Coupling and integration of real-time systems into simulation environments still requires enormous effort. The aim of ACOSAR is to develop a non-proprietary ‘Advanced Co-simulation Interface’ (ACI) for Real-Time-System integration and an integration methodology, which shall be a substantial contribution to international standardisation (FMI).



Start date: September 2015
End date: August 2018

ACOSAR

Advanced Co-simulation Open System ARchitecture

- Project partner and use-case provider Porsche figured out that within the next five years or so, a huge integration effort could be saved due to the development of ACOSAR's DCP (Distributed Co-simulation Protocol) specification, amounting to around 13,000 hrs, which is equivalent to €5-7 million. Martin Benedikt, ACOSAR project leader, adds that translated to a global figure, many millions of euros can be saved during system engineering.

- The Modelica Association Project DCP application by the ACOSAR consortium has been accepted unanimously by the Modelica Association Board, and Austrian project partner VIRTUAL VEHICLE and Martin Krammer have been accepted as Modelica Association member and board member respectively.

Would you like to participate in ITEA?

- For guidance, please contact our FFG contact person

Irina Slosar
https://www.ffg.at/team/slosar-irina

- For more detailed Call information: https://itea3.org/call-process.html

Thank you for your attention