Overview of FMI Project

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Contents

- Status of the Project
- Current Activities
- Some Statistics (tools & CCLA signing)
- Resources
- Participation
Status of the FMI Project

- FMI 1.0 and 2.0 released years ago
- CCLA: we agreed and signed it and we now have a sound legal basis
- Development Process: we agreed on how to move the standard ahead
- Quality initiatives:
  - Quality of Standard: Trac system: to coordinate collaboration
  - Quality of Export/FMUs: Compliance Checker
  - Quality of Import: Reference FMUs
  - Quality of Interoperability: Cross Check platform to publish FMUs and import results
- New icons and office templates
- Registered the Trademark FMI
What is next?

- Impending release of FMI 1.0.1: A draft version is available
- Working on FMI 2.0.1: Tickets sorted and have to be discussed and incorporated
- 2 Existing FMI Change Proposals:
  - Sampled Data Systems for Model Exchange
  - Ports and Icons
- Working Groups actively developing FMI Change Proposals (FCPs):
  - Ports and Connections
  - DAE and Partial Derivatives
  - Arrays
  - Hybrid Co-Simulation
  - Cross-Check Improvements
- Cooperation with ProSTEP/iViP: Sign Memorandum of Understanding
- New rules for use of FMI Trademark
### Some statistics of FMI adoption

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<th>2011 Modelisar</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>06/2015 1.0/2.0</th>
<th>02/2017 1.0/2.0</th>
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<tr>
<td><strong>FMI Tools</strong></td>
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CCLA signed now by:

Steering Committee

- Bosch, Dassault Systèmes, dSPACE, IFP EN, ESI ITI, Siemens/Siemens PLM, MapleSoft, Modelon, QTronic

Advisory Board

- AVL, DLR, ETAS (Bosch), Fraunhofer (IIS/EAS, First, SCAI), Open Modelica Consortium, University of Halle

Guests

- Aarhus University, ABB, Altair, Chiastek, EDF, PMSF, TLK Thermo, Wolfram MathCore
Resources

Website: fmi-standard.org
- FAQ
- Download specifications
- List of tools and cross check results

Ambiguities in specification, feature requests etc.:
- Public error tracking system trac.fmi-standard.org
- Send e-mail to contact@fmi-standard.org
- Contact your FMI-tool vendor

Mailing lists:
- FMI-Info, used for public announcements, subscribe via contact page
- FMI-Design, for active developers, send e-mail to contact@fmi-standard.org
Participation

Working Groups

• Ports and Icons
• DAE and partial derivatives
• Arrays
• Hybrid Cosimulation
• Cross Check

You have to get your company to sign the CCLA before you can participate!