



Overview of FMI Project

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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

| | 2011 Modelisar | 2012 | 2013 | 2014 | 2015 | 06/2015 1.0/2.0 | 02/2017 1.0/2.0 |
|---------------|-------------------|------|------|------|------|--------------------|--------------------|
| FMI Tools | | | | | | | |
| Support | 15 | 32 | 37 | 47 | 65 | 80/42 | 87/52 |
| Planned | | 9 | 7 | 10 | 10 | 6 | 8 |
| Steering Com. | | 9 | 11 | 12 | 12 | 11 | 10 |
| Mailing Lists | | | | | | | |
| Design | | 49 | 89 | 110 | 131 | 137 | 136 |
| Info | | 49 | 77 | 117 | 152 | 173 | 192 |

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!