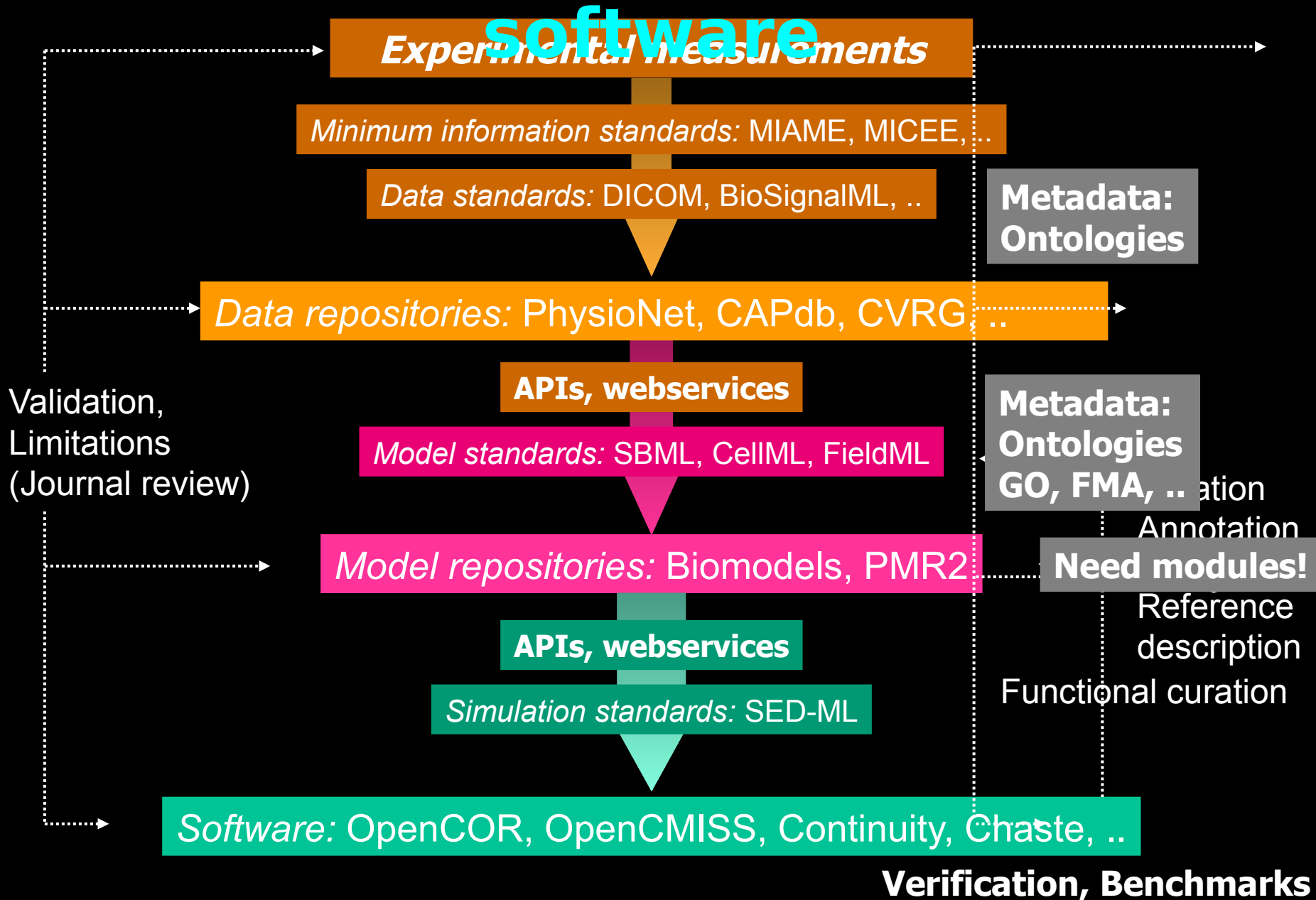


Summary of Progress During the last 12 Months in the Standards Community

Model Sharing Working Group
Peter Hunter and Herbert M Sauro

IMAG Meeting 2012

Standards for models, data & software



Progress in the SBML Standards

- The **Composition/Modularity** is now finalized and is supported by iBioSim (Myers) and Antimony (Lucian, Hucka, Sauro). This allows biochemical models to be modularized.
- The **Path2Models consortium project** produced over 142,000 qualitative models translated from the KEGG Pathway database, using the draft SBML Level (<http://code.google.com/p/path2models/>)
- The Level 3 **Qualitative Models** package specification is almost to the release candidate stage, and is supported in JSBML and libSBML as well as at least 3 other software systems (Boolean networks, logical models and some petri-nets).
- The Level 3 **Flux Balance Constraints** package definition has stabilized and the authors and considerable progress has been made on the specification document. It's supported in libSBML and will be in the upcoming JSBML 1.0.
- The Level 3 **Distribution & Ranges** package definition has had a lot of activity surrounding it, as it is an essential part of the European DDmore project.
- Level 3 package **documentation** pages have be revamped
- The **SBML Test Suite** has been updated with a lot more models (1123 now), especially to test Level 3, as well as enhance and reorganize the model metadata, and updated the online test system at sbml.org.
- There has also been discussion on using SBML to support the exchange of **PK/PD Models** (See poster by James Sluka for more information).
- New version of **libSBML** released 5.6
- Etc....