

Update SBGN-ML and LibSBGN

SBGN-ML and LibSBGN

- Community project started in 2009
 - facilitate development of SBGN supporting tools
 - increase interoperability between these tools
- Electronic implementation of SBGN
 - exchange format for SBGN maps: SBGN-ML
 - XML schema based
 - express semantics, relationships and geometry
 - software library to interact with SBGN maps: LibSBGN
 - object model and API (C++, C#, Java)
 - key features: reading, writing, validation, conversion and layout

SBGN-ML and LibSBGN

- Wiki <http://www.sbgn.org/LibSBGN>
- SourceForge project <http://sourceforge.net/projects/libsbgn/>
- Mailing list sbgn-libsbgn@lists.sourceforge.net
- Tools supporting SBGN-ML
<http://www.sbgn.org/LibSBGN/ClientTools>
- Databases supporting SBGN-ML
Reactome, MetaCrop
- Rendering comparison pipeline
http://libsbgn.sourceforge.net/render_comparison/

SBGN-ML and LibSBGN

- Milestone 1 (released January 2011)
- Milestone 2 (released December 2011)
 - support for all three languages
 - exchange shape, position, size
 - exchange edge routing
 - extensions and notes
 - validation based on Schematron

SBGN-ML and LibSBGN

- Milestone 3
 - external references (SBML, BioPAX)
 - COMBINE archive session yesterday
 - complete support for submaps
 - proposal accepted
 - implementation nearly finished
 - complete support for (any) compartment shape
 - proposal compiled during HARMONY 2013
 - support for color and line thickness
 - presentations by Martijn and Frank
 - level and version attribute for a map

SBGN-ML and LibSBGN

- Milestone 3 (spring 2014?)
 - external references (SBML, BioPAX)
 - complete support for submaps
 - complete support for (any) compartment shape
 - support for color and line thickness
 - level and version attribute for a map

SBGN-ML and LibSBGN

- internet media type (MIME type) for SBGN-ML
"application/sbgn+xml"

LibSBGN Community

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<http://www.sbgn.org/LibSBGN>