SBFC: The Systems Biology Format Converters Framework

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Input formats examples
Any format can be taken as input. These formats are currently supported:
- SBGN-ML
- GPML
- BioPAX
- SBGN-ML

New converters
Contributions to the SBFC framework are welcome: you can contribute by implementing new converters.

Output formats examples
Any format can be produced. Here are a few supported examples:
- GraphML
- DOT
- XPP
- SBGN-ML

A collaborative project
Together, we gather any formats and their corresponding converters.

INTEROPERABILITY
Converter pipelines
Converters can be serially associated, increasing the number of possible conversions.

Pivotal conversion
An intermediate converter can make a conversion more manageable and efficient.

Limiting loss of information
Selection of the appropriate converters to generate the correct input.

Converters with multiple inputs
It will be possible to erase the frontier between descriptive and structural model formats.

A generic framework
Relying on the Open Service Gateway initiative (OSGi)

Plug-in infrastructure (bundles)
Each converter is implemented in a modular way.

Defined "bundles" interaction
Converters can be interdependent and interoperable.

A standalone executable
A converter can be implemented to be used anywhere.

Providing formats support
Input and output formats are supported by implementing a simple interface. Serialising SBFC converters allows one to effectively add a previously unsupported conversion.

Web resources
Documentation:
http://sbfc.sourceforge.net
Questions? Get support at:
biomodels-net-support@lists.sourceforge.net
Online conversion service (using SBFC):
http://www.ebi.ac.uk/compneur-srv/converters/converters

Existing converters
Contributions can be made if you have already implemented one or more converters. Existing converters can be modified easily to create a SBFC module.