BonnMotion: WiseML-Converter

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Preface

WiseML is a describtion format allowing a standardized storage of traces of expermients. It is based on GraphML and used in the Wisebed Project (`http://www.wisebed.eu/`). Each experiment trace is stored within one file and contains all needed information to identify and reproduce a simulation trace. This BonnMotion application allows the conversion of BonnMotion's native format into WiseML. Actually, it is not part of the current BonnMotion release (Version 1.4, `http://net.cs.uni-bonn.de/wg/cs/applications/bonnmotion/`) but will be included in future version.
This documents contains information on installing and running the WiseML converter.

Install

1. Unpack bonnmotion-1.4

2. Copy *WiseML.patch* to the BonnMotion directory

3. Run *patch –dry-run -p1 -i WiseML.patch*

4. If you did not get any errors in the previous step install the patch with *patch -p1 -i WiseML.patch*

5. If you have already installed BonnMotion run bin/compile otherwise install as usual

Running

The WiseML converter offers various command line switches to tune the output to the desired format. You get a full list with *bm -ha WiseML*.

- -a $< altitude >$ Default z value (BonnMotion 1.4 does not support 3D traces).

- -c $< compressionlevel >$ Compression of the output. $0 = \text{NONE}, 1 = \text{No tabs}, 2 = \text{No tabs, no newlines}$

- -f $< scenario >$ BonnMotion scenario to load

- -F $< filename >$ Path to footer to include into output

- -H $< filename >$ Path to header to include into output

- -I Output integer values for the timestamps instead of doubles

- -L $< double >$ Interval length between two timestamps

- -N $< filename >$ Path to nodeId names. Each row should contain one name.