



SUMO Workshop

2/4: Change Management, Versioning



Change Management

Versioning/Version Naming

Past scheme

- ad-hoc (based on Daniel's mood) version naming

Current scheme

- Increase minor release number on format changes
- Release with new features or debugging only increases only the last (third) version number

Questions

- Ok so far? Any problems or ideas for improvement?



Change Management

Versioning/Version Naming

After 1.0

➤ Change to trunk/branch usage starting with 1.0?

Questions:

- Which version is used anyhow?
- Any “best practices” in versioning?
- How to deal with patches?
- What are your observations on the progress and the quality of releases? Which quality is expected from the releases?

Change Management

Collisions with external Tools

Several external tools exist

- Written in Java, Python, and c++
- All have an own release cycle (if more than one release exists...)
- All have an own versioning scheme

Problem(s)

- Incompatibilities grow as changes in SUMO formats are not replicated
 - Legacy SUMO versions are used / needed, forcing additional questions to us
- Double functionality

Change Management

Double Functionality (coarse and maybe wrong)

	Editing nodes / edges (table)	Tracefile Exporter	Visualisation of traces	Network import
MOVE	x	x		
eWorld	x	x	x	x (OSM)
TraNS	x	x	x	
VERGILIUS		x		x (TIGER)



Change Management

Collisions with external Tools

Solutions(?)

- Common road network loading libraries?
- Synchronized or even joined (include external tools in SUMO) releases? How test?
- A kind of „app store“ in SUMO?
- Trying to extract good features from external tools, incorporate them in SUMO?
- Better prognosis on oncoming changes for preparing the others for what will come?
- Any other ideas / hints?
- Include libraries as “jtraci” in the release or rather point to external sources?

Change Management

Side note:

Some people stick to a certain SUMO version. Why? Because of additional tools that work with this version or because SUMO's getting worse, not better over time?

