

Proposal for software architecture

■ : observer ○ : agents ◇ : data files ➡ : dependency

Setup

- Setup networks
- Setup globals
- Setup agents

Core

At each tick :

- Agents chose route if needed
- Execution of routes (under-discretisation to handle interactions?)

Output

Local and global reporters of interesting variables (local and integrated flows, network real robustness, network performances, charges in transports, etc ...)

- GIS shapefiles
- Transport timetables

- O-D determination according to time
- Transport mode decision
- Routing procedure