## Administrator’s relationship with the system

Administrator has a possibility to create new or modify existing workflows. These functionalities are reachable through the administrator client program.

The program allows to the administrator to remove or add arbitrary number of modules to the actual workflow. The administrator should set an XML descriptor file to each module, which describe how to execute the module. Furthermore the administrator should ensure two XSD validator files before and after each module.

Administrator also needs to set the descriptor for structure of starting parameters, which helps to the scientists to send their simulation parameters to the system.

After the administrator completes the edition on the workflow and save it, the system is ready to use for the scientist.

## Scientist’s relationship with the system

The scientist can reach the system through a client program. This application helps them to enter the parameters for the simulation. After the parameters have been entered, the system processes them and creates a unified XML file which contains the parameters. The simulation won’t start immediately, the XML file will add to the Queue of Workflow. The system continuously processes the simulations from this queue, so sooner or later the simulation will start.

The scientist can use the same program to monitor its simulation and check runtime logs.

The result of the simulation will be in the directory of the scientist when the simulation has finished.