## 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 set two XSD validator files to ensure the input and output validation before and after each module.

Administrator also needs to set an XML descriptor for the structure of starting parameters, which helps to the scientist’s client application to send scientist’s 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 probably won’t start immediately, the XML file will be added to the Queue of Workflow. The system continuously processes the simulations from this queue, so sooner or later the simulation will be started.

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

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