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## On-line demonstration of Flood application at EGEE User Forum

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The flood application has been successfully demonstrated at EGEE second review in December and we would demonstrate it at EGEE User forum for Grid application developers and Grid users.

Flood application consists of several numerical models of meteorology, hydrology and hydraulics. A portal is developed for comfortable use of flood application. The portal has four main modules:

- Workflow management module: for managing execution of tasks with data dependences
- Data management module: allows users to search and download data from storage elements
- Visualization module: show the output from models in several forms: text, picture, animation and virtual reality
- Collaboration module: allows users to communicate with each other and cooperate on flood forecasting

The demonstration will be done on GILDA demonstration testbed. Job execution in the Grid tested will be performed using gLite middleware. The aim of the demonstration is to show how to implement complicate grid applications with many models and support modules and also the FloodGrid portal, that allows users to run the application without knowledge about grid computing

### Summary

The flood application has been successfully demonstrated at EGEE second review in December and we would demonstrate it at EGEE User forum for Grid application developers and Grid users. The demonstration will be done on GILDA demonstration testbed. Job execution in the Grid tested will be performed using gLite middleware. The aim of the demonstration is to show how to implement complicate grid applications with many models and support modules and also the FloodGrid portal, that allows users to run the application without knowledge about grid computing

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