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Visualizing the State of the Grid with GridMaps

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A new approach to visualization of complex monitoring data of the entire Grid.

Describe the scientific/technical community and the scientific/technical activity using (planning to use) the EGEE infrastructure. A high-level description is needed (neither a detailed specialist report nor a list of references).

GridMaps are based on a novel use of Treemap visualizations in the context of the Grid. Sites or services of the Grid are represented by rectangles of different size and color allowing 2 dimensions of data to be visualized simultaneously. This representation of monitoring data requires much less space than conventional sorted tables or bar charts. One application is visualizing Service Availability Monitoring (SAM) data from different VO and geographical perspectives. Switching between different views help discover correlations and associated patterns in the monitoring data.

A prototype has been implemented and will be demonstrated online.

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