

The German HEP-Grid initiative

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The German Ministry for Education and Research announced a 100 million euro German e-science initiative focused on: Grid computing, e-learning and knowledge management. In a first phase started September 2005 the Ministry has made available 17 million euro for D-Grid, which currently comprises six research consortia: five community grids - HEP-Grid (high-energy physics), Astro-Grid (astronomy and astrophysics), Medi-Grid (medical/bioinformatics), C3-Grid (Collaborative Climate Community), In-Grid (engineering applications) - and an integration project, providing the horizontal platform for the vertical community grids. After an overview of the D-Grid initiative, we present the research program and first results of the HEP community grid. Though rather late compared to similar national grid initiatives, HEP-Grid enables us to learn from early developments and to look for gaps we want to focus on in three workpackages: data management, automated user support and interactive analysis, all on the Grid.

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