



Contribution ID: 279

Type: **not specified**

Delivering a Collaborative Data Infrastructure - the EUDAT project

Monday, 19 September 2011 14:53 (13 minutes)

Europe's science and research communities from a wide range of scientific fields are faced with increasingly large amounts of valuable data that stem from new sources such as powerful new sensors and scientific instruments used in analyses, experiments and observations as well as growing volumes of data from simulations and from the digitization of library resources. In order to make the most of the new opportunities emerging from this "explosion" of data, a group of European stakeholders has formed a consortium to build a sustainable pan-European infrastructure for scientific data. EUDAT is a new European initiative that will deliver a Collaborative Data Infrastructure (CDI) with the capacity and capability for meeting future researchers' needs and enabling cross-disciplinary science in a sustainable way. Its design will reflect a comprehensive picture of the data service requirements of the research communities in Europe, and beyond. This will become increasingly important over the next decade as we face the challenges of massive expansion in the volume of data being generated and preserved (the so called 'data tsunami') and in the complexity of that data and the systems required to provide access to it.

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Session Classification: Data Management Workshop