

PlanetData Large-scale Data Management

The PlanetData project aims to establish an interdisciplinary, sustainable European community of researchers, helping organizations to expose their data on the Web in a useful way.

PlanetData will push forward the state-of-the-art in large-scale data management and its application to the creation of useful, open data sets. This is motivated by the increasing reliance of business on large public data; the uptake of open data principles in many vertical sectors; and the need of research communities to make sense out of petabytes of scientific data, to describe and expose this data in ways that encourage and enable collaboration.



Our Approach

Over the next four years, we will achieve our ambitious goals:

- ✔ By conducting interdisciplinary research on
 - the Web-friendly representation, robust integration, and scalable transmission, processing, and management of stream-like data, such as sensors, news stories, and microblog entries;
 - the assessment and improvement of the quality of large open data sets of various modalities, and the augmentation of these data sets with self-descriptive metadata giving an account of quality and contextual aspects; and
 - the accountable usage of Web-based data sets taking into consideration provenance, privacy, trust, and access rights.
- ✔ By applying this research to real-world data sets to derive best practices and guidelines for organizations owning or providing large amounts of data online.
- ✔ By building definitive vocabularies and assembling a catalogue of useful data sets complemented by software tools that support the data provisioning process.
- ✔ By providing world-class technology, supporting relational, RDF, and stream processing, such that research on large-scale data management can be tested and validated.
- ✔ By educating future researchers and potential adopters, and encouraging knowledge transfer and exchange through specifically targeted training, dissemination, and community building programs.
- ✔ By collaborating with interested parties worldwide through our PlanetData Programs.

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(Seventh Framework Programme)

Area: Intelligent Information Management (ICT-2009.4.3)

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Execution: From 2010-10-01 to 2014-09-30

Duration: 48 months

Contract type: Network of Excellence

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Become a PlanetData Associated Partner

The PlanetData partnership concept sustains the wide scope of relevance of the work carried out in the network, by forming an ecosystem around the core partners of the project, and helping to build a community taking an active interest in large-scale data management. PlanetData is open and committed to collaborate with any organization working on, or interested to gain familiarity with, research and development questions related to the topics addressed by, or complementary with, the network.

All results of the project, including the training, dissemination, community building, and networking instruments implemented throughout the duration of the network, will be accessible to any interested party. Special emphasis will be put on strengthening the European dimension of the large-scale data management community.

Besides such open collaborations, PlanetData will offer the opportunity for organizations to become associate partners of the network.

Benefits of Associated Partners

- ✔ Access to research, and data provisioning and management results
- ✔ Ability to participate in training, dissemination and community building events
- ✔ Access to open training infrastructure
- ✔ Early access to ongoing PD results through participation in PD meetings
- ✔ Partner logo listed on PD website
- ✔ Opportunity to shape the results and topics of the PD Programs through contribution of requirements and use cases
- ✔ Ability to submit proposals to PD Programs

We cordially invite your organization to apply to become an official PlanetData associated partner. Applicants will be asked to document their interest in large-scale data management, highlighting what their organization can contribute to the PlanetData network. Promising applicants will be notified pending final approval from the PlanetData management board. Visit our website to apply.



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