



Large-scale Data Management

PlanetData 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

The PlanetData project is built around three objectives that together ensure the creation of a durable community made up of academic and industrial partners:

- ✔ **Research:** To bring together approaches to large-scale data management from different disciplines in order to create holistic solutions to the challenges faced when dealing with planetary-scale data.
- ✔ **Data provisioning and management:** applying this research to real-world data sets to derive best practices and guidelines for organizations owning or providing large amounts of data online.
 - To provide software to support large-scale data provisioning, made available via the PlanetData Lab, supporting relational, graph, and stream processing, for researchers to test and validate their techniques. To create definitive vocabularies for the description of data sets and their context
 - To build a catalogue of data sets in vertical domains chosen for their high adoption potential and data management needs.
 - To publicize guidelines and best practices for provisioning, such that available data sets can be more readily consumed by end-users and efficiently assembled into innovative products and services.

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- ✔ **Impact:** collaborating with interested parties worldwide through our PlanetData Programs.
 - To provide a medium through which the research results and empirical findings of the PlanetData network can be used to improve the education level related to large-scale data management in both academia and industry.
 - To bring together researchers from disparate disciplines in order to form an integrated community that can support organizations in publishing their data in a way that is purposeful, thus addressing key challenges of large-scale data management.
 - To encourage industrial uptake through standardization, and strategic dissemination and networking events.

PlanetData Programs

Over the next four years, the PlanetData consortium will issue open calls to extend its expertise and to invite new partners to carry out certain tasks within the project. Selected partner(s) will be eligible for funding of research activities.

Join PlanetData

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.



PlanetData Consortium

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