

# Proposal Submission Form



**EUROPEAN COMMISSION**  
7th Framework Programme on  
Research, Technological  
Development and Demonstration

Coordination and support action  
Coordination (or networking) actions

# A1: Content

Proposal Number

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Proposal Acronym

PRESCIDIATIANL

## GENERAL INFORMATION ON THE PROPOSAL

Proposal Title

Preservation of Scientific Data for International Long-Term Analysis

Duration in months

24

Call identifier

FP7-INFRASTRUCTURES-2012-1

Topic code(s) most relevant to your proposal

INFRA-2012-3.2.

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Free Keywords

Scientific Data Preservation Archive Curate Analysis EU US NSF

Abstract (max. 2000 char.)

The preservation of scientific data for long-term analysis has been identified as a key requirement in the field of High Energy Physics (HEP) and also in many other disciplines such as Astronomy and Astrophysics, Life and Earth Sciences. In collaboration with related projects in the US and in close collaboration with the National Science Foundation (NSF), the proposed project would take the work of the Data Preservation in HEP Study group, which defines the physics motivation for long-term data preservation as well as many of the associated issues, and extend this to cover not only the existing use cases but also consider the needs of the LHC experiments at CERN. This work would ensure the persistent availability of existing data and enable it to be shared between organisations and across national boundaries. In particular, now is the ideal time to define standards for data and meta-data formats and address access and authorization issues for on-going experiments – issues that have historically been addressed only in the final years of a scientific collaboration. In order to perform this work a coordination body would be setup that would not only organize workshops devoted to this topic but also address key issues related to long-term data archives, such as the financing models for maintaining these archives, the handling of intellectual property rights both during and after the lifetime of the corresponding scientific collaboration, as well as the required networking of experts both within the HEP domain but also with other disciplines and projects, such as those mentioned above, with whom close collaboration already exists. The results of this work would be made available via Open Access mechanisms and would be actively disseminated at relevant technology-oriented events, such as the IEEE Massive Storage and Technology conference, as well as discipline-focussed meetings, such as the IEEE Nuclear Science and Medical Imaging Symposium and other similar events.

Similar proposals or signed contracts?

a) Has this proposal (or a very similar one) been previously submitted to a call for proposals of the 7th EU RTD Framework Programme?

no

IF YES

- please give the call identifier

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- please give the proposal or contract number (if known)

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b) Is this proposal (or a very similar one) currently being submitted to another call under FP7?

no

IF YES please give the call identifier

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