

*Abstract: Status „temporary“*

## **eScience Coordination Team (142-011)**

This proposal seeks to form a national coordination service that provided support for research computing in Switzerland. This will unite and enrich current expertise in support for computing in the scientific and research sector, and make this expertise available to a larger community through a sustainable operational model. Almost all scientific domains produce an increasingly large and complex amount of digital data. The term 'eScience' refers to activities in science that are related to the computation and storage, analysis and publication of data or to the simulation of scientific processes. The need to professionally support eScience is growing and scientists require access to professionally supported information technology (IT) platforms in order to be competitive.

Several research institutions in Switzerland have created dedicated eScience support units to provide expert support and access to competitive infrastructure for eScience research on topics including complex data management and flexible cloud computing resources. However, the support levels and services provided vary from institution to institution and many research institutions have no dedicated eScience support at all. This poses significant challenges on national collaborative research projects where data needs to be shared and exchanged across institutional boundaries.

The aim of this project is to create a sustainable national coordination layer on top of existing local eScience support units: the **eScience Support Coordination Team (eSCT)**. The eSCT will become a national service to support computing in the research sector, coordinating and increasing the knowledge-base, quality, reach and impact of the already established local Swiss eScience support staff and motivating the creation of units at institutions that still lag behind. The project aims to increase and harmonise the quality of eScience support across the country, raising the overall national level of excellence and helping to ensure the continued competitiveness of Swiss science. The eSCT project develops a coordinated national network of experts.