Exploitation of Space Data for Innovative Helio- and Asteroseismology - SpaceInn

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Abstract

The European Helio- and Asteroseismology Network (HELAS) has initiated the follow-up project "SpaceInn - Exploitation of Space Data for Innovative Helio- and Asteroseismolgoy" with the mission to build on the existing European strength in the field of time-domain stellar physics. SpaceInn activities, which are organized around the themes of data access, scientific expertise and existing coordination, aim to secure optimal use of the existing and planned data, from space and from the ground, in helio- and asteroseismology. Starting in January 1, 2013, the SpaceInn project is funded for four years by the European Union.

The main goals of the project include:

-Establish coordinated archives of space- and ground-based data, as well as of the results of the analyses of these data. This will include tools for efficient data access.

-Secured long-term preservation of these, often unique, data.

-Coordinated utilization of the data, resulting in a much improved understanding of solar structure, dynamics and activity, as well as of stellar structure and evolution

-An increased awareness of the field, amongst the general public and at all levels of the educational system, throughout Europe.

In this presentation we will give an overview on the upcoming activities of SpaceInn.

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