

Integrating High Resolution Solar Physics

PROJECT DETAILS

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Sub-Programme: Excellent Science –
Research Infrastructure
Funding Scheme: Innovation Action

**Project Reference (Grant Agreement
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Project Duration: 48 months (from
2019-01-01 to 2022-12-31)

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UniOvi Budget: € 380.000'00

Website: <https://solarnet-project.eu/>

CORDIS link: <https://cordis.europa.eu/project/id/824135>

PROJECT DESCRIPTION

This project aims at integrating the major European infrastructures in the field of high-resolution solar physics. The following actions will be taken: (i) realise transnational access to all European users; (ii) integrate small communities and foster European collaboration; (iii) enhance and spread data acquisition and processing expertise to the Europe-wide community; (iv) increase the impact of high-resolution data by offering science-ready data and facilitating their retrieval and usage; (v) encourage combination of space and ground-based data by providing unified access to pertinent data repositories; (vi) foster synergies between observational and theoretical research communities by organising meetings where each presents state-of-the-art methodologies; (vii) train a new generation through student schools, a mobility program, and grant program to attend conferences; (viii) develop innovative post-focus instrumentation; (ix) develop and build next generation devices to correct for atmospheric turbulence; (x) lay foundations for combined use of synoptic and high-resolution facilities on ground and in space (xi) dissemination activities towards society. The project involves all pertinent European research institutions, infrastructures, and data repositories. Together, these represent first-class facilities. The additional participation by private companies and non-European research institutions maximizes the impact on the world-wide scale. In particular, the project achievements will be of principal importance in defining the exploitation of the future 4-meter European Solar Telescope.

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