

SOLARNET: Integrating High Resolution Solar Physics



The objective of the High-resolution Solar Physics Network (SOLARNET) is integrating the key European ground-based research infrastructures in the field of high resolution solar physics in order to

- open the key infrastructures of this research area for the benefit of all European researchers. These infrastructures are the observatories, data repositories of the space missions and related data from theoretical modelling as well as computing resources.
- improve these research infrastructures in the services they provide. This includes upgrading and designing new instrumentation in its scientific capabilities and the virtual installations in their value as providers of information and generators of knowledge. This also includes the research and development of technologies which will be essential for the European Solar Telescope, and their verification with the existing facilities.
- coordinate activities among those European institutions and organizations that support Europe's major research groups in solar physics. These groups are widely spread across Europe, and hence networking among the scientists is essential to exchange expertise and training of the large fraction of young researchers in the field.

SOLARNET will couple research and innovation with the aim to produce excellent science in the field of High Resolution Solar Physics.

- I. Networking activities: coordinate activities among those European institutions and organizations that support Europe's major research groups in solar physics:
 - Coordination for improved exploitation of solar physics infrastructures (WP2)
 - Network activities to foster synergistic collaborations (WP3)
- II. Trans-national Access and Virtual Access Programme: ensure that all European solar physicists have access to the best facilities for high-resolution solar observations, high-performance computing, and data archives:
 - Trans-national Access Programme (WP9):
 - SST, GREGOR, VTT, THEMIS, SUNRISE
 - Piz Daint Supercomputer
 - Virtual Access Programme (WP10)
- III. Joint Research Activities: improve the research infrastructures developing new instrumentation and data archives
 - Towards a European Solar Data Centre (WP5)
 - Advanced Instrument Development (WP6)
 - Multi-Conjugate Adaptive Optics for EST (WP7)
 - Solar Physics Research Integrated Network Group – SPRING (WP8)



- founded in 2007
- 18 member states



EST Design Study
(2008 - 2011)

European Solar Telescope



construction:
2021 - 2027

PRE-EST
(04/2017 – 03/2021)

ESFRI road map update 2016:
EST included as ESFRI project

Project overview:

- Proposal submitted on March 2018; Approval in August 2018;
- "Grand" Grant Agreement 824135 was signed in December 2018
- The European Union's Programme on Research and Innovation, H2020, is funding the SOLARNET project for 4 years under the grant agreement number 824135.
- The project started on Jan 1st, 2019, and will end on Dec 31st, 2022.
- Maximum grant amount: 9 995 736,49 Euro (EU contribution)
- Estimated total eligible cost: 13 484 179,84 Euro

Participant No	Participant organisation name	Country
1	Kiepenheuer-Institut für Sonnenphysik (KIS)	Germany
2	Instituto de Astrofísica de Canarias (IAC)	Spain
3	Universitetet i Oslo (UiO)	Norway
4	Stockholms universitet (SU)	Sweden
5	Centre National de la Recherche Scientifique (CNRS)	France
6	Istituto Nazionale di Astrofisica (INAF)	Italy
7	Università Roma Tor Vergata (UNITOV)	Italy
8	Università Degli Studi di Catania (UNICT)	Italy
9	Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC-IAA)	Spain
10	Max-Planck-Gesellschaft zur Förderung der Wissenschaften eV (MPG)	Germany
11	Leibniz-Institut für Astrophysik Potsdam (AIP)	Germany
12	University of Northumbria at Newcastle (NU)	UK
13	University of Sheffield (USFD)	UK
14	University College London (UCL/MSSL)	UK
15	Queens University Belfast (QUB)	UK
16	Astronomický ústav AVCR vvi (ASU)	Czech Republic
17	Koninklijke Sterrenwacht van België (ORB)	Belgium
18	Hvar Observatory, Faculty of Geodesy, University of Zagreb (HVAR)	Croatia

28 research institutes

7 companies

16 countries: 11 EU, 2 EU associated, 3 non-EU associated

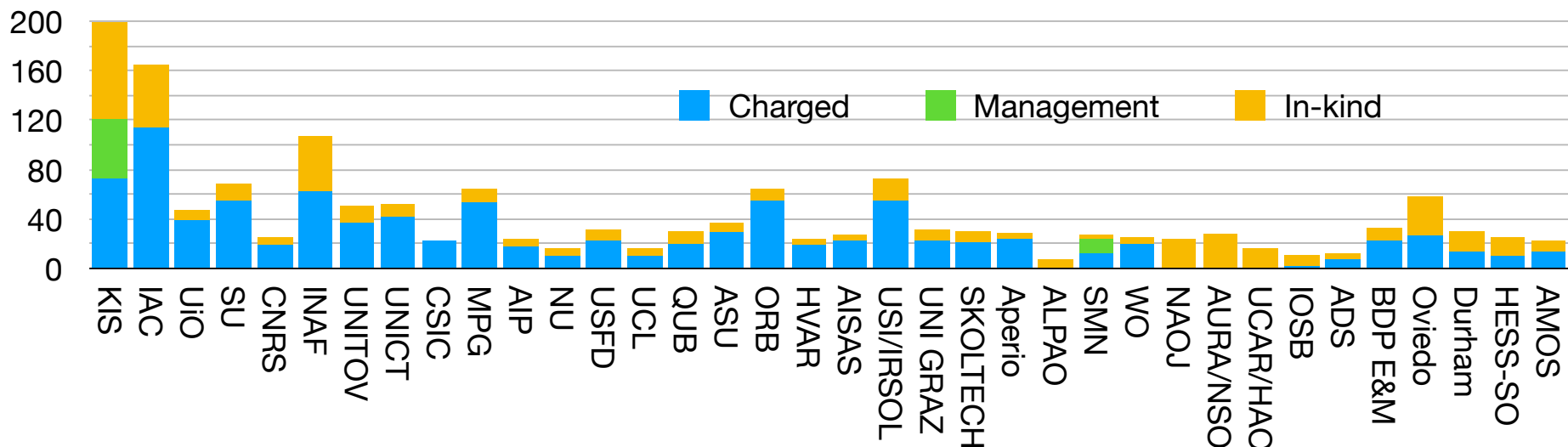
Participant No	Participant organisation name	Country
19	Astronomical Institute, Slovak Academy of Sciences (AISAS)	Slovakia
20	Università della Svizzera italiana / Istituto Ricerche Solari Locarno (USI/IRSOL)	Switzerland
21	University of Graz (UNIGRAZ)	Austria
22	Skolkovo Institute of Science and Technology (SKOLTECH)	Russia
23	Aperio (Aperio)	UK
24	ALPAO (ALPAO)	France
25	The ScienceMedia Network GmbH (SMN)	Germany
26	Winlight Optics (WO)	France
27	National Astronomical Observatory of Japan (NAOJ)	Japan
28	Assoc. of Universities for Research in Astronomy/National Solar Observatory (AURA/NSO)	USA
29	Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V. (IOSB)	Germany
30	A.D.S Internation SRL (ADS)	Italy
31	BDP Engineering/Opto Service (BDP E&M)	Italy
32	Universidad de Oviedo (Oviedo)	Spain
33	Durham University (Durham)	UK
34	Haute Ecole Specialisee de Suisse Occidentale / Haute Ecole d'Ingénierie et de Gestion du Canton du Vaud (HES-SO)	Switzerland
35	Advanced Mechanical and Optical Systems SA (AMOS)	Belgium

 Non EU and non EU associated

 Companies/Industry

Project Scientist: Markus Roth
 Project Manager: Tirtha Som
 Coordinator: Rolf Schlichenmaier

Total Person Months per Partner



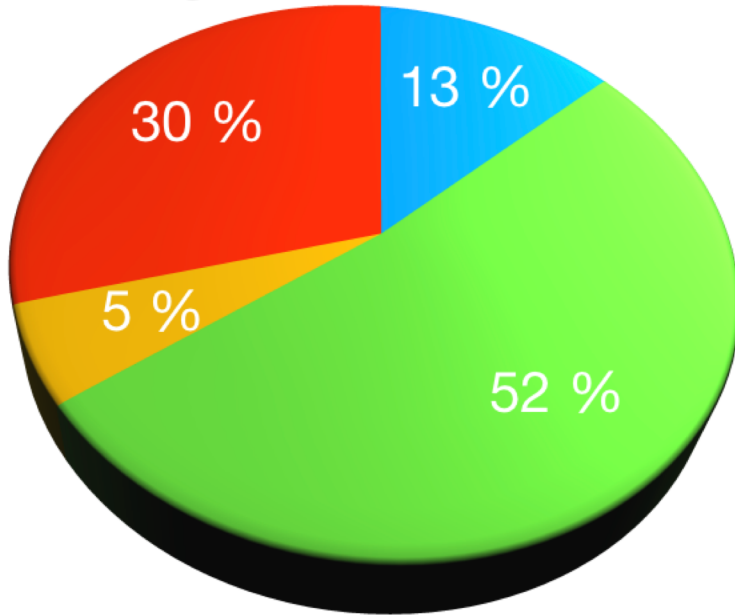
Resources to be committed (PM = person month)

The total number of PMs amounts to 1559, 1024 of them requested from EU:

- 1045 (727 requested) PMs are in JRAs,
- 174 (118 requested) PMs are in Network activities, and
- 221 (61 requested) are in the Management.

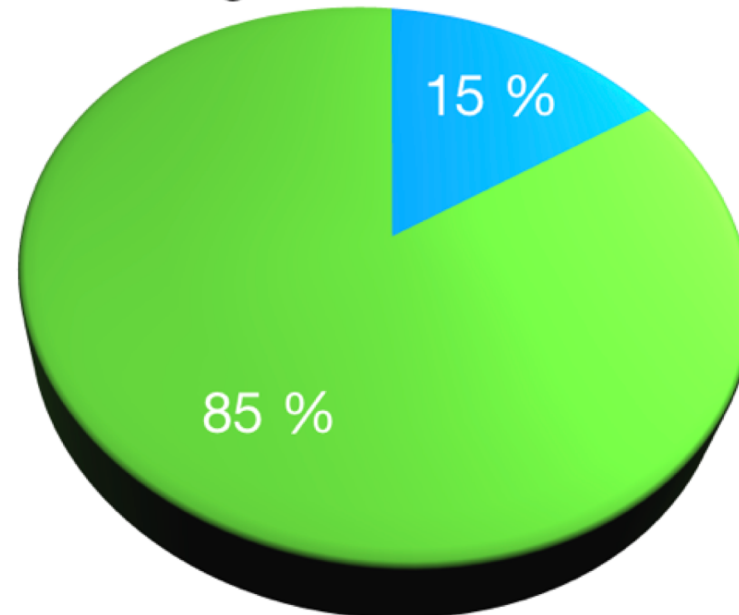
Work package No	Workpackage Title	Lead Participant No	Lead participant short name	Person Month	Start Month	End Month
1	Project Coordination and Management	1	KIS	221/61	1	48
2	NA1: Coordination for improved exploitation of solar physics infrastructures	4	SU	54/25	1	48
3	NA2: Network activities to foster synergistic collaborations	8	UNICT	67/67	1	48
4	NA3: Engagement, Dissemination and Communication	12	NU	53/26	1	48
5	JRA1: Towards a European Solar Data Centre	1	KIS	228/21 4	1	48
6	JRA2: Advanced instrumentation development		IAC	269/21 8	1	48
7	JRA3: Multi-Conjugate Adaptive Optics for EST	1	KIS	301/14 3	1	48
8	JRA4: Solar Physics Research Integrated Network Group - SPRING	1	KIS	248/15 0	1	48
9	TA1: Trans-National Access Programme	4	SU	39/39	1	48
10	VA1: Virtual Access Programme	3	UiO	79/79	1	48

Charged cost distribution

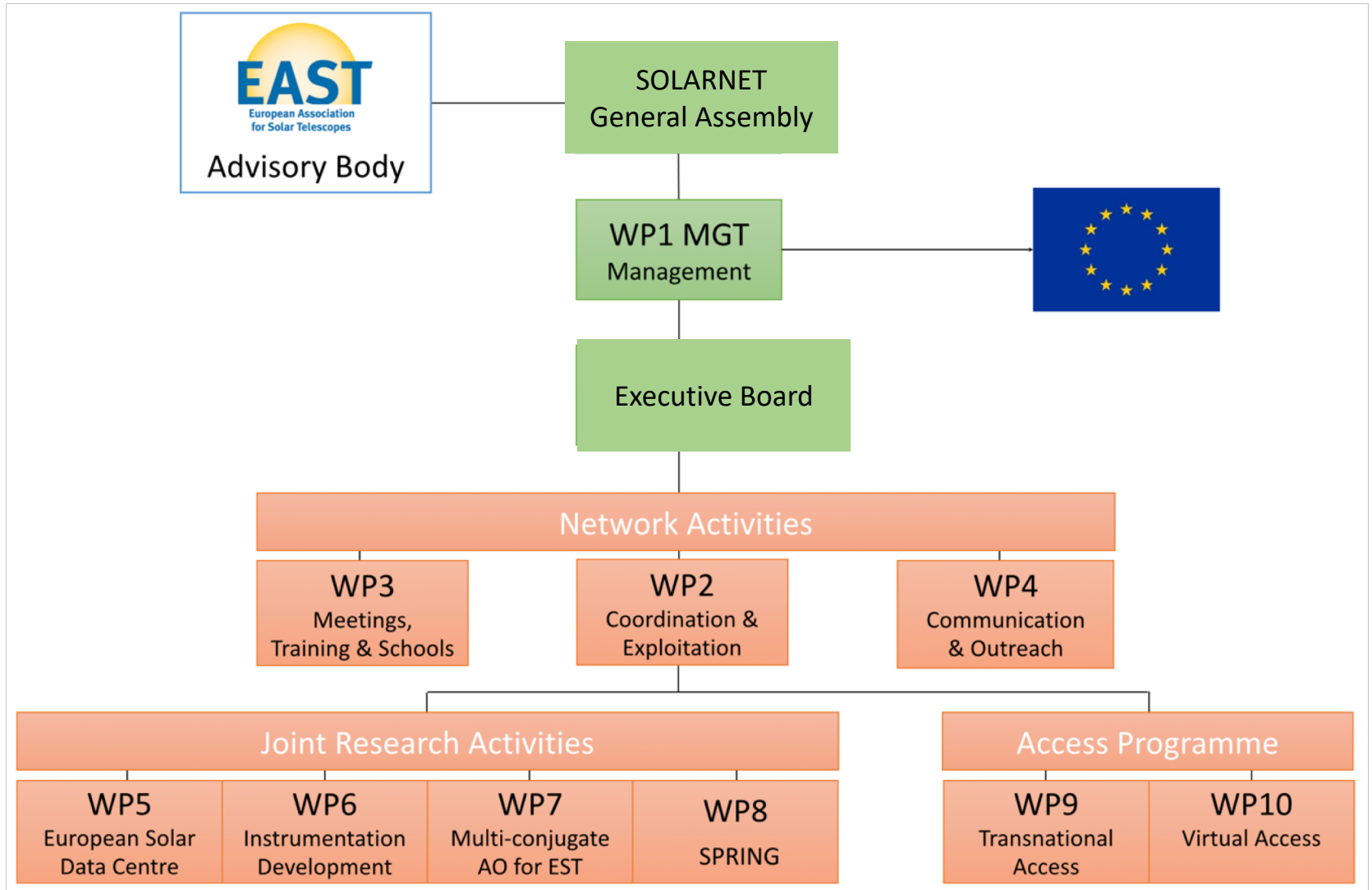


- NAs
- JRAs
- MGT
- ACCESS

Charged costs in JRAs



- Industry
- Institutes



- My Organisation(s)
- GRANTS
- My Project(s)
- My Formal Notification(s)

Results: 3 | Download excel list of those projects | Search..

ACRONYM	CALL	PROGRAM	PROJECT	PHASE	ACTIONS
PRE-EST	H2020-INFRADEV-2016-2	H2020	739500	Active	Actions
SOLARNET	H2020-INFRAIA-2018-1	H2020	824135	Active	Actions
SOLARNET	FP7-INFRASTRUCTURE... 2012-1-RTD	FP7	312495	Active	Project Consortium Manage Project View Proposal

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My Project:
SOLARNET

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Actions

Details Consortium

Project ID: 824135

Programme: H2020

Rdg: RTD

COORDINATOR Organisation - STIFTUNG KIEPENHEUER-INSTITUT FUER SONNENPHYSIK [EDIT ROLES](#)

BENEFICIARY Organisation - INSTITUTO DE ASTROFISICA DE CANARIAS [EDIT ROLES](#)

Included in SOLARNET Consortium Agreement (January 2019)

"The Advisory Committee will be the **General Assembly of the European Association for Solar Telescopes (GA-EAST)**.

The Coordinator will inform periodically the GA-EAST about the Project status and progress. The Coordinator will propose the President of the EAST General Assembly to include the SOLARNET reporting on the corresponding agenda of all its meetings. The EAST GA will discuss the SOLARNET project status and progress and may formulate recommendations to the SOLARNET General Assembly. The participants of the EAST GA shall agree on confidentiality on all matters concerning the SOLARNET project."