

DELIVERABLE D90.1

Access to Ground-Based Telescopes. Amount of Access

WP90 Transnational Access Programme

1ST Reporting Period

November 2014

PROJECT GENERAL INFORMATION

Grant Agreement number: 312495

Project acronym: SOLARNET

Project title: High-Resolution Solar Physics Network

Funded under: FP7-INFRASTRUCTURES: INFRA-2012-1.1.26 - Research Infrastructures for High-Resolution Solar Physics

Funding scheme: Combination of Collaborative Project and Coordination and Support Action for Integrating Activities

From: 2013-04-01 to 2017-03-31

Date of latest version of Annex I against which the assessment will be made: **13/02/2013**

Periodic report: 1st 2nd 3rd 4th

Period covered: from **01/04/2013** to **30/09/2014**

Project's coordinator: Dr. Manuel Collados Vera, IAC.

Tel: (34) 922 60 52 00

Fax: (34) 922 60 52 10

E-mail: mcv@iac.es

Project website address: <http://solarnet-east.eu/>

SOLARNET

TAS Programme

2013 & 2014

October 2014

Prepared by

A. Escobar
SOLARNET Project Manager

This report includes information about the amount of access provided in 2013 and 2014 by THEMIS, SST and VTT, and by IBIS/DST and ROSA/DST instruments. No information included about the service provided by databases supported under SOLARNET. No access provided by GREGOR during these years.

INDEX

- 1. GENERAL OVERVIEW: Results of the SOLARNET Transnational Access Programme for 2013 and 2014.**
 - 1.1. Access.**
 - 1.2. Projects, users and observers supported with T&S grants.**
 - 1.3. Users fees.**
 - 1.4. Travel and Subsistence Grants.**
- 2. DIAGRAMS AND CHARTS.**
 - 2.1. Amount of access.**
 - 2.2. Projects, users and observers supported with T&S grants.**
 - 2.3. Travel and subsistence grants.**
- 3. COMMENTS AND GENERAL REMARKS**

1. GENERAL OVERVIEW.

1.1 Access.

Total amount of access offered during 2014:	134 days
➤ 98 days offered at THEMIS, SST and VTT, and a total of 36 days have been also allocated by IBIS and ROSA under servicing mode. No access was provided in 2014 by GREGOR.	
Observing time 2014 / expected amount of access 2013-2017 (%):	29,7 %
Total amount of access offered during 2013+2014:	250 days
Observing time 2013+2014 / expected amount of access 2013-2017 (%):	55,4 %
Nr. of telescopes and instruments offering observing time during 2014:	3 telescopes 2 instruments

1.2. Projects, users and observers supported.

1.2.1. Projects.

Total number of projects/teams supported during 2014:	19
Nr. of projects 2014 / indicative nr. of projects 2013-2017 (%):	29,2%
Total number of projects/teams supported during 2013+2014:	37
Nr. of projects 2013+2014 / indicative nr. of projects 2013-2017 (%):	56,9%

1.2.2. Users.

Nr. of users (team members) awarded with observing time during 2014:	100
Nr. of users 2014 / indicative nr. of users 2013-2017 (%):	36,8%
Nr. of users (team members) awarded with observing time during 2013+2014:	179 users
Nr. of users 2013+2014 / indicative nr. of users 2013-2017 (%):	65,8%

1.2.3. Astronomers supported with travel and subsistence grants (T&S).

Nr. of observers awarded with T&S grants during 2014:	15
New observers (awarded with T&S grants during 2014):	5
Nr. of observers awarded with T&S grants during 2013+2014:	30
New observers (awarded with T&S grants during 2013+2014):	14

1.3. User Fees 2014.

Telescope	Unit Cost (€/unit of access) A	ACCESS 2014		ACCESS 2013-2017 Total amount of access to be provided during the contract C	Ratio 2014 / 2013-17 Fraction of 2014 user fees and time awarded B / C x100
		Amount Access awarded during 2014 B	User Fees * (€) 2014 A x B		
VTT	2.900	14	40.600	55	25,5%
THEMIS	3.214	44	141.416	85	51,8%
SST	3.238	40	129.520	85	47,1%
GREGOR	4.351	0	0	66	0%
IBIS/DST	0	23	0	80	28,8%
ROSA/DST	0	13	0	80	16,3%
TOTAL	0	134	311.536	451	29,7%

User Fees 2014: **311.536 EUR** User Fees 2014 / expected User Fees 2013-17: **31,3%**

NB: The expected amount of funding for user fees during this 4-years contract, for SST, THEMIS, VTT and GREGOR is: 995.086 €.

1.3.1. User Fees 2013+2014.

Telescope	Unit Cost (€/unit of access) A	ACCESS 2013+2014		ACCESS 2013-2017 Total amount of access to be provided during the contract C	Ratio 2013+2014 / 2013-2017 Fraction of 2013+2014 user fees and time awarded B / C x100
		Amount Access awarded during 2013+2014 B	User Fees * (€) 2013+2014 A x B		
VTT	2.900	26	75.400	55	42,3 %
THEMIS	3.214	74	237.836	85	87,1 %
SST	3.238	80	259.040	85	94,1 %
GREGOR	4.351	0	0	66	0%
IBIS/DST	0	40	0	80	50%
ROSA/DST	0	30	0	80	33,8%
TOTAL	0	250	572.276	451	55,4 %

* User fees are calculated based on estimated unit cost.

User Fees 2013+2014: **572.276 EUR** User Fees 2013+2014 / expected User Fees 2013-2017: **57,5%**

1.4. Travel and Subsistence Grants

Travel and subsistence grants 2014:	Approx. 24.092,23 €
-------------------------------------	----------------------------

T&S grants 2014 / expected amount for T&S grants 2013-2017:	27,4 %
---	---------------

Travel and subsistence grants 2013:	22.012,94 €
-------------------------------------	--------------------

Travel and subsistence grants 2013+2014:	45.495,50 €
--	--------------------

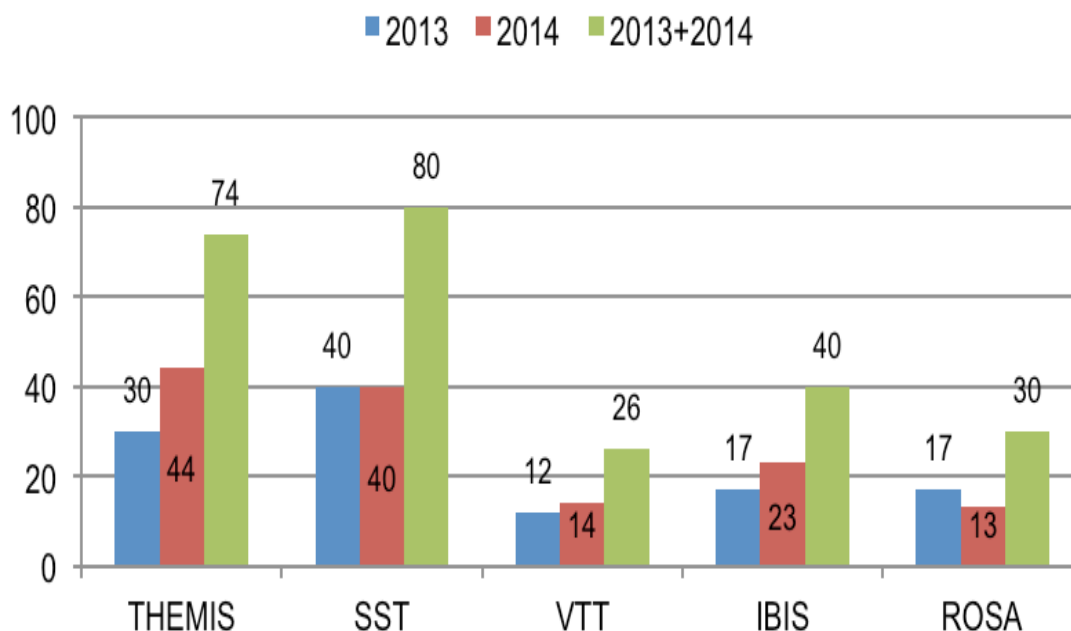
T&S grants 2013+2014 / expected amount for T&S grants 2013-2017:	40,1 %
--	---------------

NB: Expected amount of funding for T&S grants during this 4-years contract are: 112.374 €.

2. DIAGRAMS AND CHARTS.

2.1. Amount of Access:

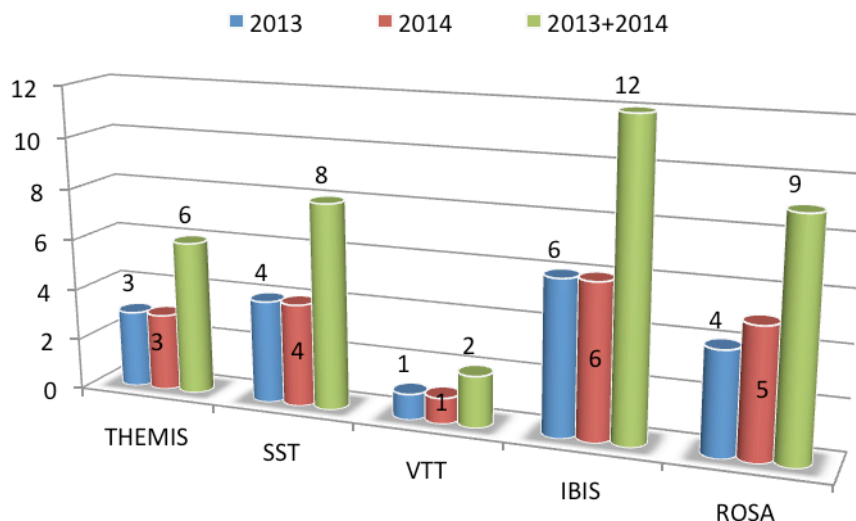
Observing days / Telescope & Instrument



250 observing days

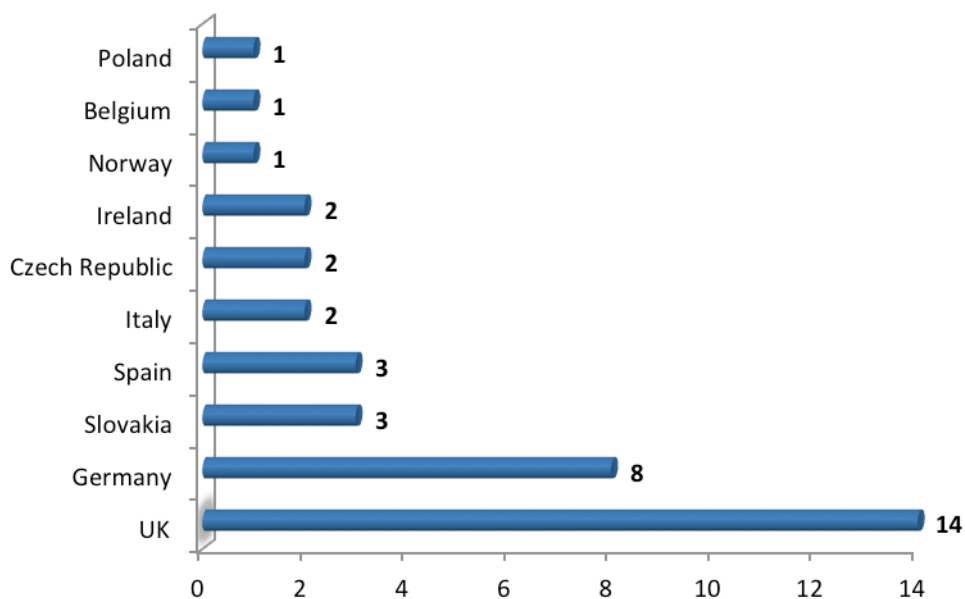
2.2. Projects, users and observers supported:

Projects / Telescope & Instrument



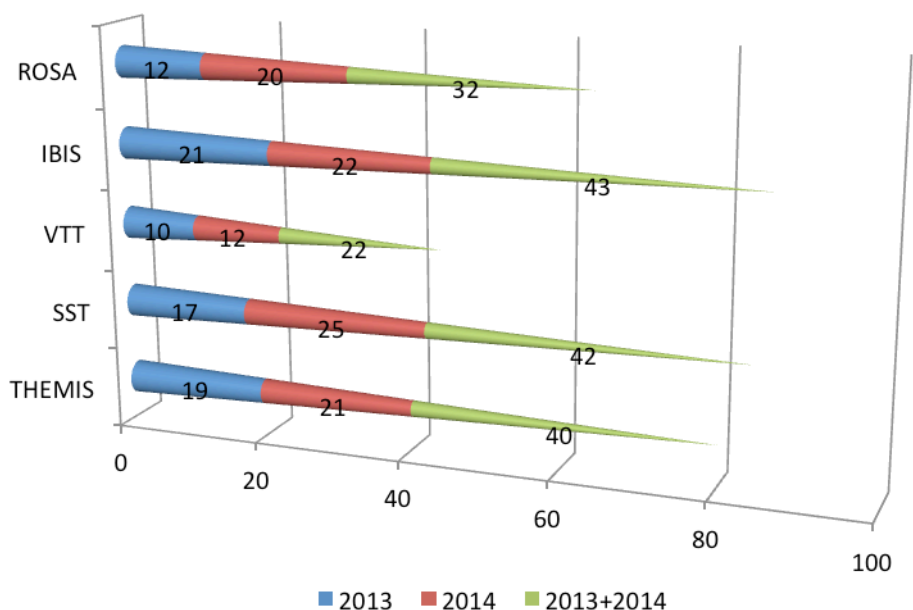
37 projects

Nr of projects / PI home institutions 2013+2014



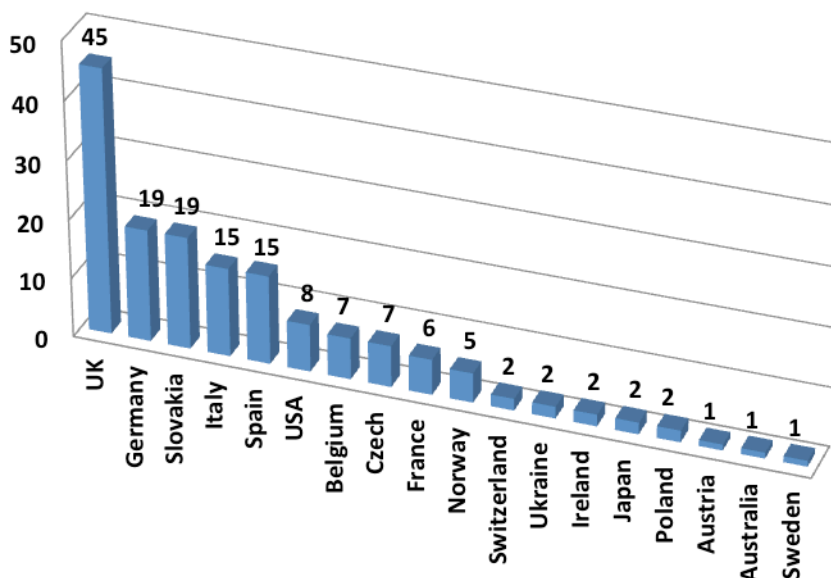
37 projects, 10 countries

Nr of users / Telescope & Instrument



179 users

Nr of users / country of home institution 2013+2014

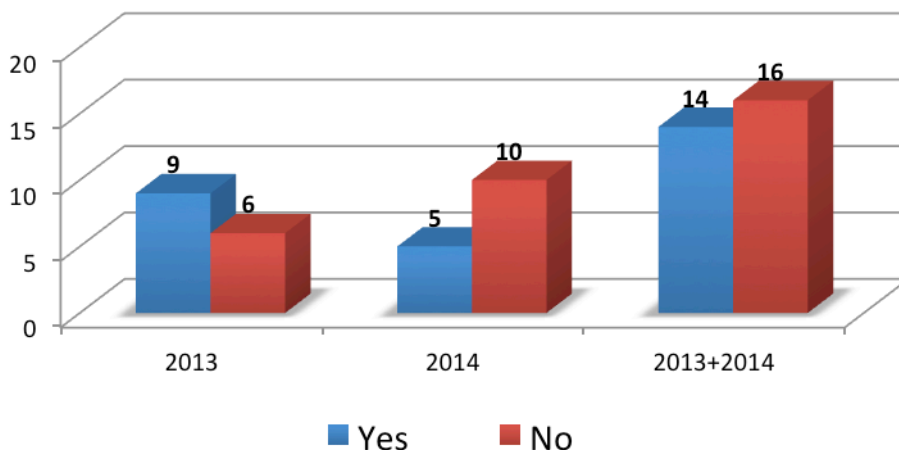


159 users*; 18 countries (14 European, 4 non-European)

* 20 IBIS&ROSA users were counted only once

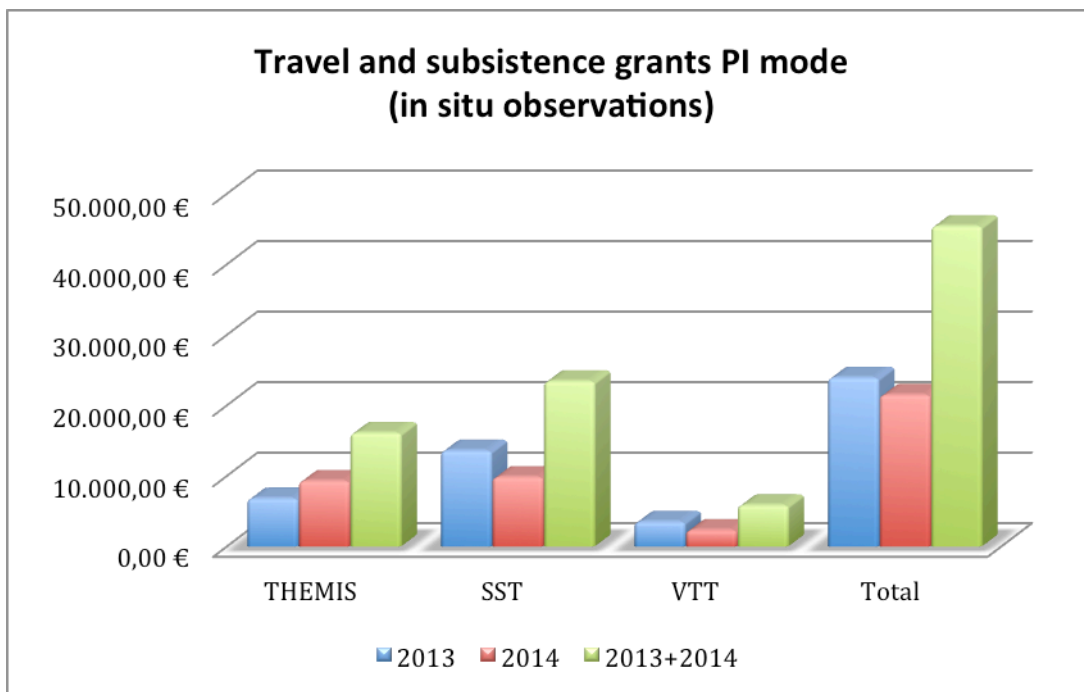
2.3. Astronomers supported with travel and subsistence grants:

**New users
(PI mode, observers in situ)**



30 observers supported with T&S grants; 14 new users

**Travel and subsistence grants PI mode
(in situ observations)**



Approx. 45500 €

3. COMMENTS AND GENERAL REMARKS.

• **Amount of access:** In 2014 SOLARNET TAS Programme has provided 29,7% of the expected amount of access for the four-year contract. This amount of access represents 31,3% of the SOLARNET TAS budget for User Fees (slightly lower since GREGOR -higher User Fees-, has not offered time yet).

Considering 2013 and 2014 campaigns, the amount of access provided represents 55,4% and the User Fees 57,5%.

• **Telescopes:** 3 telescopes (VTT, THEMIS, SST), and 2 instruments (IBIS/DST, ROSA/DST) were involved in providing this access.

• It is necessary to mention that in the first 18 months of the project SST has offered 94,1% of the total expected amount of access to be provided during the whole project (only 5 remaining days at SST).

• The other two telescopes have provided 47,3% (VTT) and 87,1% (THEMIS). The instruments IBIS and ROSA have provided 50% and 33,8% respectively.

• **User groups:** It was estimated that 65 user groups (projects) would be supported through the SOLARNET Transnational Access Programme for all contract. During 2014, a total of 19 groups (projects) have accessed to the aforementioned telescopes and instruments. During the two campaigns 37 groups (projects) were supported.

• **Users:** 100 team members integrate the aforementioned 19 groups. The total amount of team members in the two years is of 179.

• **New users:** 50% of astronomers supported with T&S grants in 2014 were new users. Considering 2013 and 2014 the new users represents 46,7%.

• **Countries:** It is remarkable that 45 astronomers of 159 participating in the programme in 2013 and 2014 are from United Kingdom (28,3%). Other 38 astronomers are from Slovakia and Germany (19 each) and other 30 are from Italy and Spain (15 each). These five countries encompass the 71,1% of the total amount of astronomers participating in two campaigns.

• **Travel and subsistence grants:** In providing 29,7% of the expected amount of access we have spent 27,4% of the amount for T&S. Considering both campaigns, 2013 and 2014, the amount of access provided is of 55,4% and T&S grants spent represent 40,10%.

No funds need to be reimbursed to the astronomers, and they do not need to pay in advance any cost. Travel costs (air tickets, train, taxi, etc.) are directly booked and paid by the IAC following the preferences of the astronomers. Accommodation at sea level and at the Observatories is also booked and directly paid by the IAC, as well as subsistence costs at the Observatories. In summary, once the astronomers complete the on-line application, they receive a full service including transport from airport to hotels, to the observatories, rental-car, etc. and they do not need to pay for these services. The SOLARNET Project Office approves the requested expenses, taking into account the best value as well as the astronomers preferences.

• **Website:** The website has proven its feasibility and became a good tool for promoting and supporting the observing campaign.