

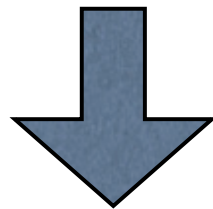
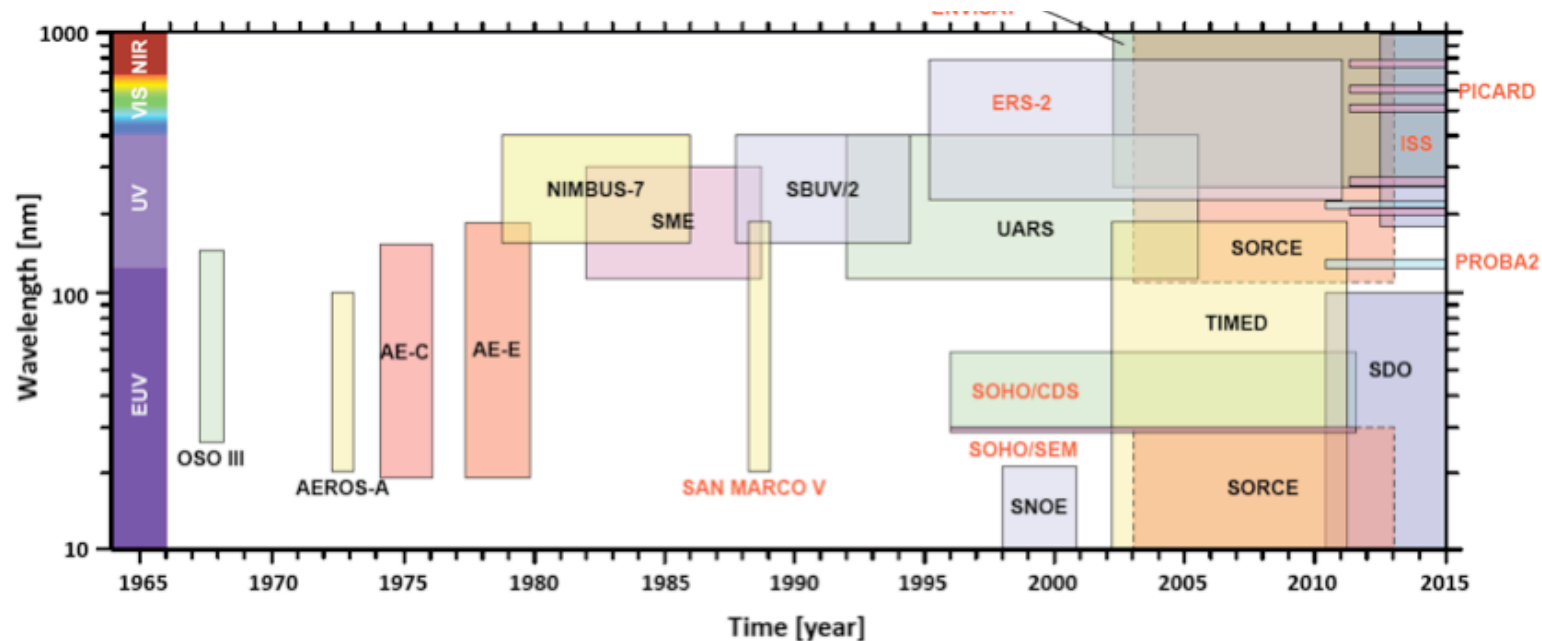
SOLID:WHATISTHIS.

Matthieu Kretzschmar
LPC2E, CNRS & University of Orléans

SOLID:

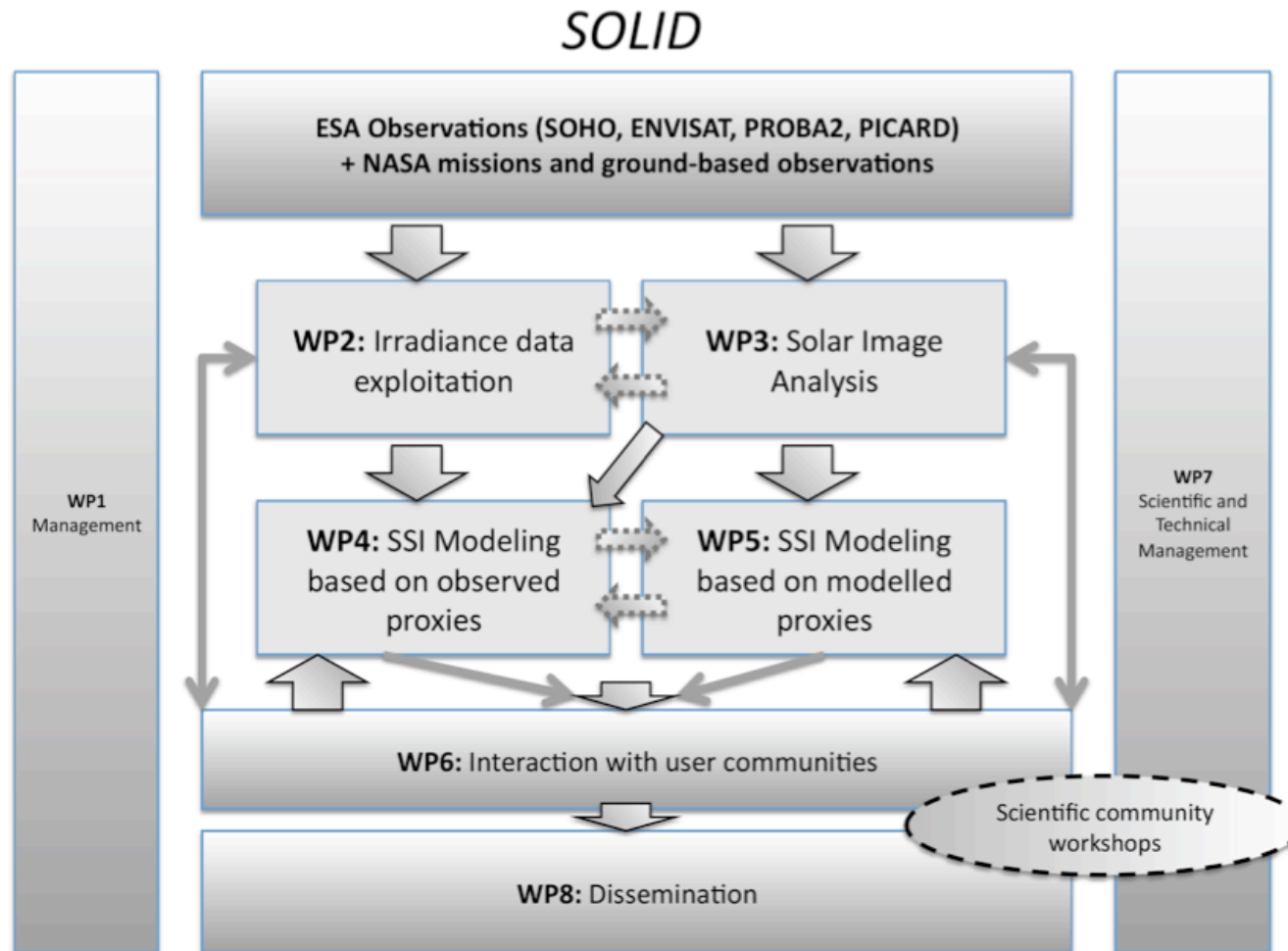
First European Comprehensive SOLar Irradiance Data exploitation

- ➔ 3 years FP7 project, started in dec2012, 10+1 partners, money for hiring poeple.
- ➔ analyse and merge the complete set of European irradiance data, complemented by archive data that include data from non-European missions
- ➔ provide uniform data sets of modelled and observed solar irradiance data from the beginning of the space era to the present including proper error and uncertainty estimates. Main user: **climate community**



time series with (time dependent) error bars

How ?



SOLID

First European Comprehensive SOLar Irradiance Data Exploitation

How ?

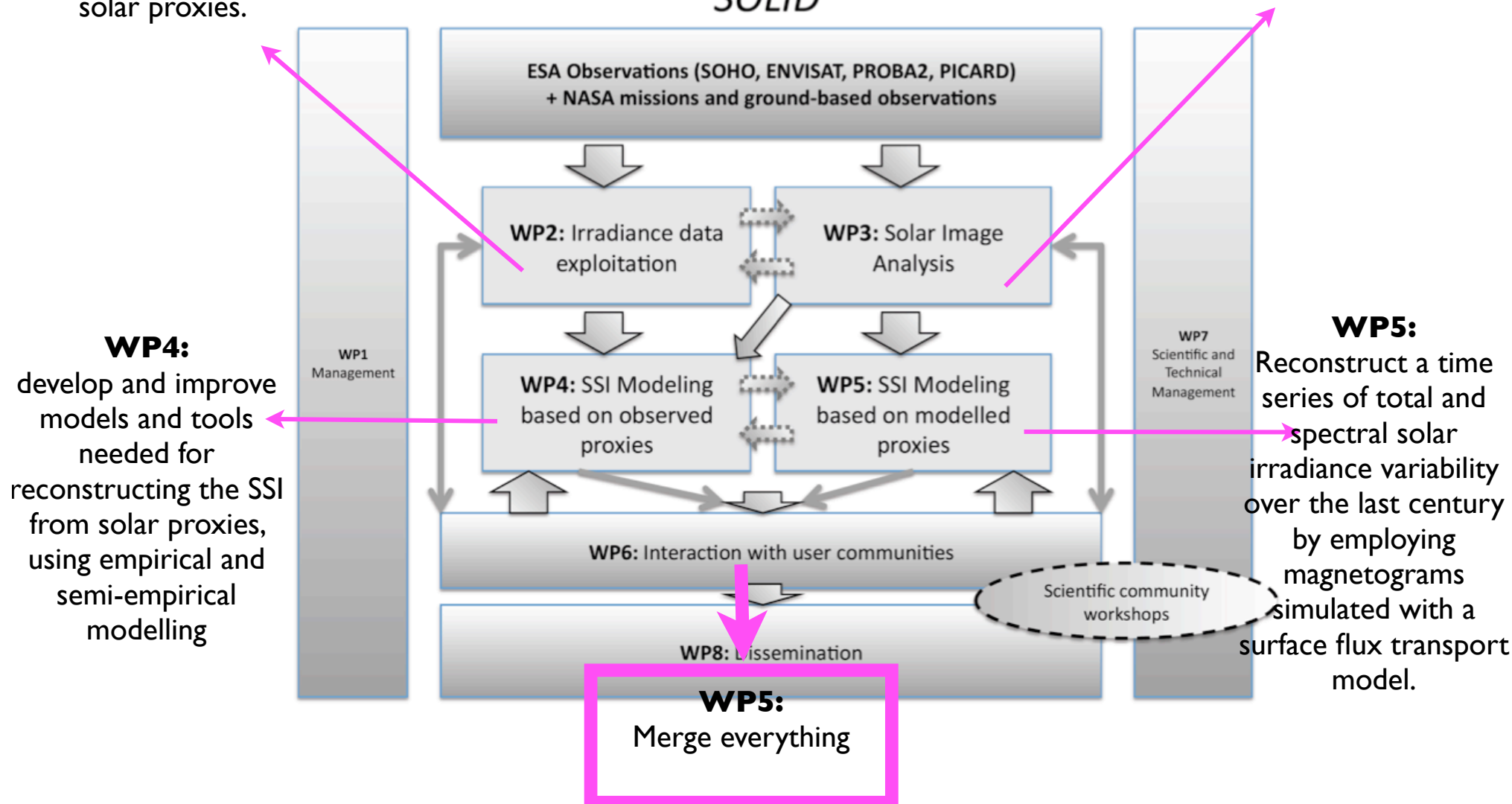
WP2:

Collect, quality assess, and inter-compare available solar spectral irradiances data and solar proxies.

WP3:

exploitation of large sets of solar images and new SSI proxies.

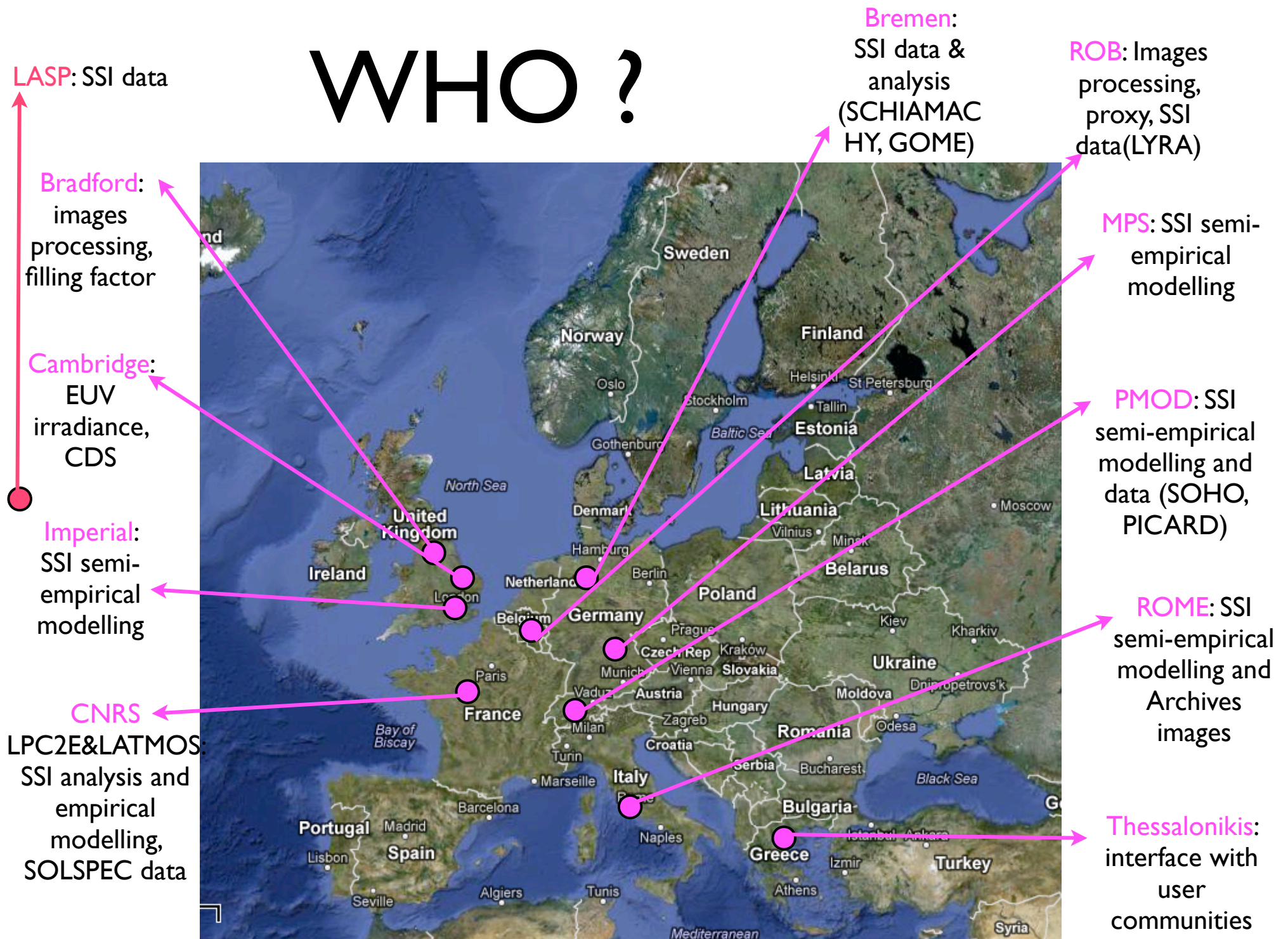
SOLID



SOLID

First European Comprehensive SOLar Irradiance Data Exploitation

WHO ?



What SOLID is not

- A private club pretending to solve long standing problems.

What SOLID can be

- An accelerator for international collaborations of this topic.

WP2 Tasks

- *Task 2.1:* Collection of space era SSI data and relevant solar proxies
- *Task 2.2:* SSI data analysis and quality checking
- *Task 2.3:* Ground-based proxies for SSI
- *Task 2.4:* EUV spectral irradiances
- *Task 2.5:* UV spectral irradiance composite
- *Task 2.6:* Recommendation for space-based SSI and proxy time series.

SOLID-EUVWG collaboration ?

- Next Joint meeting ?
 - at the SORCE meeting, somewhere else in Europe ?