

SOLARNET Virtual Observatory

From prototype to operational

Benjamin Mampaey & Robbe Vansintjan
Royal Observatory of Belgium (ROB)

Goals of the Solar Virtual Observatory (SVO)

Make it easy for user to find new data

- Simple web interface, python library, IDL library
- Search across datasets
- Search within dataset
- Search by solar events (date)
- Search by co-observation (date)
- Search by tag

Make it easy for data provider to promote their data

- Minimal requirements for metadata: date of observation and wavelength
- Provide scripts that parse FITS files and extract the metadata

Structure of the SVO

- PostgreSQL database with the metadata
- Django & Tastypie to provide a RESTfull interface
- Javascript + HTML web interface
- Python and IDL libraries
- Python scripts for data providers
Can be run by the data provider or by us

We do not store the data itself, only the metadata and the remote URL of the data

