



## **Publication of pioneering space-borne sunspot and facular datasets in the frame of FP7 projects**

Tünde Baranyi and András Ludmány

Debrecen Heliophysical Observatory, Konkoly Observatory, Research Center for Astronomy and Earth Sciences of HAS, Hungary (baranyi.tunde@science.unideb.hu)

The Debrecen Heliophysical Observatory was involved into two FP7 Space projects between 2008-2015 aiming at exploitation of space data and producing value added data. One of them was called SOLar-TERrestrial Investigations and Archives (SOTERIA), the other was called Environment for Human Exploration and RObotic Experimentation in Space( EHEROES). During the SOTERIA project, detailed databases of positions and area of sunspots and continuum faculae based on the SOHO/MDI full disc images were produced with about hourly time resolution. Similar catalogues were published in the frame of EHEROES based on the SDO/HMI observations. We briefly describe these catalogues and the public tools available for them to foster the further scientific exploitation of these databases.