Using G-POD for processing SMOS data
Permanent call for proposals

G-POD is a partnership opportunity for conducting Earth Science research activities through the use of the ESA Earth Observation (EO) Grid Processing-on-Demand (G-POD) environment [http://gpod.eo.esa.int], part of the ESA Research and Service Support service.

Within this framework, ESA opens the G-POD SMOS permanent call for proposals.

ESA's Soil Moisture and Ocean Salinity (SMOS) mission has been designed to observe soil moisture over the Earth's landmasses and salinity over the oceans. Both soil moisture and ocean salinity data are important variables in the Earth's water cycle and the provision of SMOS data will further our understanding in a number of areas: hydrological , meteorological and oceanographic forecasting, water resources management, climate change, etc.
More information about SMOS are available from the SMOS Website .

G-POD proposals shall address the exploitation of global EO data archives available at ESA for:

- The prototyping, development, validation, and operational deployments of new algorithms and "scientific added value products", requiring high volumes of data and processing resources,
- The development of new Earth science applications exploiting the synergetic use of EO data, including synergy with other spaceborne and ground data, models and multidisciplinary applications.

ESA offers on-line access to the complete collection of SMOS L0 and L1 data from January 2010 onwards, together with an attached computing infrastructure to host and run the partner's applications. L2 data may be made available as well. Besides SMOS data, other EO data from ESA and non-ESA missions could be used as well by G-POD users. Available EO data collections are listed in the Research and Service Support wiki page http://wiki.services.eoportal.org/rss-storage-data.php .

"ESA Terms and Conditions for the Utilisation of Earth Observation Data" document is applicable.

G-POD SMOS proposals shall be submitted directly onto the following Web site: http://eopi.esa.int/G-POD. This is an open call, i.e. proposals can be submitted at any time.

Please, refer as well to the Application Compatibility Document for information about the compatibility of your algorithm with the G-POD environment.

Your proposal will be internally evaluated and assessed for feasibility within the G-POD system resources and defined support framework. ESA reserves the right to propose alternative planning for the approved activities to better match with the available resources.
Typically about 10 to 15 projects can be supported per year.

For any further information, please consult the G-POD full description document, and do not hesitate to contact us, either by e-mail or fax at: eohelp@esa.int or Fax: +39 06 94 180 272 / 292