

G-POD CAT-1 Outline

The G-POD CAT-1 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>].

G-POD CAT-1 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 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.

Within this framework, ESA offers on-line access to data, together with an attached computing infrastructure to host and run the partner’s applications.

At present, the G-POD CAT-1 provides access to data already available for Category-1 use, i.e.:

- The global Envisat and ERS-2 atmospheric instruments (MIPAS, GOMOS, SCIAMACHY, GOME) archived data,
- The global Envisat MERIS Reduced Resolution archived data, as well as MERIS Full Resolution level-1 data acquired over Europe,
- The global AATSR level-1 archived data,
- A substantial dataset of ERS-2 and Envisat SAR Medium Resolution products and Envisat ASAR Global Monitoring mode products, daily populated with new acquisitions.

According to the standard ESA Terms and Conditions for Category-1 use:

- The data provided to the selected G-POD projects can be used only for the purpose defined in the accepted proposal
- The Principal Investigator will provide regular progress reports and widely publish his results

G-POD CAT-1 proposals shall be submitted directly onto the following Web site: <http://eopi.esa.int/G-POD>. Proposals can be submitted at any time.

Your submitted 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 conducted per year.

For any further information, please consult the G-POD CAT-1 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