

Dear Colleagues,

ESA is pleased to release an Announcement of Opportunity (AO) for the Sentinel-5 Precursor Calibration and Validation Team (S5PVT).

In the framework of its Copernicus missions, ESA is developing the Sentinel-5 Precursor (S5P), a satellite mission dedicated to monitoring the composition of the atmosphere for the Copernicus Atmospheric and Climate Services. S5P is further expected to provide information on atmospheric variables in support of European policies. Services will include the monitoring of air quality, stratospheric ozone and solar radiation, and climate. It is planned to be launched in early 2016 and will provide over 7 years data to the user community.

The main payload of S5p is TROPOMI (TROPOspheric Monitoring Instrument), a push broom imaging spectrometer that will measure key atmospheric constituents including ozone, nitrogen dioxide, sulphur dioxide, carbon monoxide, methane, formaldehyde, aerosol and cloud properties.

This AO Call aims at the Calibration and Validation activities of the S5p mission. The activities under this Call shall provide independent experimental data, analysis and recommendations to assess the end-to-end performance of the instrument and its products. This shall include:

- validation of S5P products using other satellite, airborne or ground-based experiments as well as measurement networks providing independent measurements of atmospheric species' profiles, clouds and aerosols;
- experiments to assess accuracy, resolution, and stability of the Sentinel-5P instrument TROPOMI
- assessment and validation of the S5P retrieval and processing

Should you be interested in participating to this opportunity, then please submit your proposal to ESA directly onto the following Web site:

<https://earth.esa.int/aos/S5PVT>

Further details on the particular nature of this opportunity, the S5P mission data description and the Cal/Val Concept, are available on-line at the address above. In case you are unable to access the site for any reason, please contact us and we will send you the full information as well as the proposal template. Only those proposals adhering to the pre-defined format will be considered.

The call is open to all interested parties.

We would like to welcome you to this Call and wish you all success with your project.

On behalf of ESA:

K. McMullen, *S5P Project Manager*

T. Fehr, *Acting S5P Mission Manager*

P. Ingmann, *S5P Mission Scientist*