

EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Science and Robotic Exploration

The European Space Agency is an equal opportunity employer and encourages applications from women

POST

Science Data Processing and Archiving Coordinator in the Operations Development Division, Operations Department, [Directorate of Science and Robotic Exploration](#).

This post is classified in the A2–A4 grade band on the Coordinated Organisations' salary scale.

LOCATION

ESAC, Villanueva de la Cañada, Madrid (Spain).

DUTIES

BepiColombo is a joint ESA-JAXA mission to Mercury. After approximately 7.5 years of cruise, BepiColombo will arrive at Mercury in 2024 and will gather data during a 1-year nominal mission, with a possible 1-year extension.

The postholder will report to the BepiColombo Science Ground Segment (SGS) Development Manager and will be responsible for all science data processing and archiving activities. Specific tasks will include:

- planning, coordinating and supervising all activities related to the development and operation of the science data processing and quick-look analysis systems within the SGS;
- monitoring the implementation of ESA's Planetary Science Archive and coordinating the relevant interface with the ESAC Science Data Centre;
- developing and implementing strategies (in liaison with the Project Scientist) to promote the use of the BepiColombo science data and maximise the mission scientific return;
- providing expert support and consultancy to the BepiColombo Instrument Teams for the implementation and use of archiving standards (e.g. PDS4), geometry handling and production of science data products;
- coordinating with other planetary missions for all activities related to processing of ancillary data (e.g. orbit, attitude, timing). Support the Instrument teams in the development and validation of the required SPICE routines;
- acting as technical officer for the formal agreements between ESA and the Instrument Teams to support the SGS.

QUALIFICATIONS

Applicants for this post should have at least a Master's degree in an engineering and/or physical discipline and a solid working background in the disciplines related to the tasks described.

Specifically candidates should have:

- extensive experience in space activity/operations with proven end-to-end participation in the definition, implementation, integration and operation of scientific data processing pipelines for ESA planetary missions;
- significant experience in managing and leading interactions with PI Teams within ESA's planetary community, mainly in the area of science data processing and archiving;
- extensive knowledge of NASA's Planetary Data System standards and associated processes and tools, and good knowledge of other data formats used by the planetary community;
- previous involvement in planetary data archiving and the development and evolution of interoperability standards;
- extensive experience and knowledge of ESA's Planetary Science Archive and its services;
- good knowledge of planetary instrumentation and testing.

Applicants are expected to demonstrate excellent planning and organisational skills, good analytical skills, and a proactive attitude towards solving problems. They should have excellent interpersonal and communication skills along with an ability to work effectively in a team environment.

A demonstrated system-minded view, with respect to both mission and instruments, is a prerequisite.

For behavioural competencies expected from ESA staff, please refer to the [ESA Competency Framework](#).

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

CLOSING DATE The closing date for applications is **7 January 2016**.

Applications from external candidates for this post should preferably be made [online](#) from the ESA website (www.esa.int/careers). Those unable to apply online should submit their CV to Human Resources, ESAC, P.O. Box 78, 28691 Villanueva de la Cañada (Madrid), Spain.

ESA staff members wishing to apply should fill in the [Internal Application Form](#) and email it to [Apply2ESAC](#).

The Agency may require applicants to undergo selection tests.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada.

Priority will first be given to internal candidates and secondly to external candidates from under-represented Member States.

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.