



Senior Science Research Specialist

Salary Grade: 19

Item Number: PHILSAB-SRSRS-17-2020

Division: Space Mission Control and Operations Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: 2 years of relevant experience

Training: 8 hours of relevant training

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Co-lead in data processing of satellite image data from Sovereign satellites (Diwata-2 and NovaSAR-1) and other satellites PhilSA and its external partners intend to use;
- 2) Co-lead in providing open-source satellite data (i.e. Sentinel, Landsat) from Google Earth Engine and commercial satellites for distribution to partner agencies and institutions;
- 3) Co-lead in mission planning of Diwata-2 and NovaSAR-1 and future satellites. Co-Lead in processing satellite data requests and analysis of satellite health data for satellites that PhilSA controls; Track and evaluate images acquired and downloaded;
- 4) Co-lead in the daily operation of the Space Mission Control and Operations Division (SMCOD) such as communication with data end-users, maintenance of data records, implementation of the satellite data workflow and pre-processing, assessment, and calibration of satellite images.
- 5) Report to the assigned supervisor and management all the accomplishments and progress on the assigned tasks;
- 6) Contribute to the implementation of scientific research and development using optical and radar earth observation data;
- 7) Contribute to the development of geospatial automation techniques to operationalize the production of derived products using earth observation data;
- 8) Contribute in coordination activities for soliciting stakeholder, optical, and radar data product requirements;
- 9) Implement quality assessment and pre-processing techniques for optical and radar earth observation data;
- 10) Participate in project and PhilSA-related events and activities;
- 11) Assist with administrative functions of the division such as, but not limited to, providing inputs to financial requirements, planning of activities, coordination with stakeholders among others;
- 12) Assist in the preparation of reports, presentation materials, and associated data and information;
- 13) Perform other duties of a regular or special nature as may be assigned from time to time.

Applicants who have all or any of the following background are encouraged to apply:

Educational Background:

- Graduate of Geodetic Engineering, Physics/Applied Physics or related courses

Experience Background:

- Minimum of two (2) years of experience in satellite data processing;
- Minimum of one (1) year experience in using commercial satellite data platform
- Experience in satellite mission planning

Competencies:

- Teamwork/collaboration
- Effective communication skills
- Demonstrated intermediate level of integrity, problem solving and decision making, planning and delivery, and managing information



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