



Science Research Specialist I

Salary Grade: 13

Item Number: PHILSAB-SRAS1-6-2020

Division: Space Data Mobilization and Applications Division

Minimum Qualification Standards:

Education: Bachelor's degree relevant to the job

Experience: None required

Training: None required

Eligibility: Career Service (Professional) / Second Level Eligibility

Duties and Responsibilities:

- 1) Assist in the implementation and operationalization of research, development, and innovation activities using Earth Observation (EO) data;
- 2) Prepare datasets for the development of algorithms using EO data;
- 3) Assist in gathering ground-truth information to improve and validate the algorithms developed through remote sensing, data analytics, and/or artificial intelligence processing;
- 4) Assist in coordination activities with stakeholders and partners;
- 5) Assist in the development of geospatial automation techniques to operationalize the production of derived products from EO data;
- 6) Assist in implementing preprocessing techniques for EO data;
- 7) Contribute to the production of research papers on using artificial intelligence with remote sensing for submission to journals and conferences; and,
- 8) 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:

- Bachelor's Degree in Geodetic Engineering, Geography, Astronomy, Geology, Computer Science, Statistics, and related fields.

Training:

- Remote Sensing, GIS, Data Science

Competencies:

- Familiarity with Remote Sensing, GIS, Data Science, Python, Javascript, Google Earth Engine



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