

Position: Environmental Data Analyst

Company: INSPIRE Environmental

Location: Newport, Rhode Island, USA

Position Type: Full-time; on-site in Newport office, with hybrid potential after 6–12 months, subject to performance and manager approval

Position Status: Exempt (Salaried)

At INSPIRE Environmental, we combine cutting-edge marine science, advanced technology, and practical environmental solutions to support offshore energy, fisheries, and marine infrastructure projects worldwide. As part of the Venterra Group, our multidisciplinary team delivers integrated environmental services across benthic ecology, fisheries science, marine acoustics, oceanographic instrumentation, and spatial data analytics.

We are seeking a full-time **Environmental Data Analyst** to support management, analysis, quality assurance, and visualization of marine environmental datasets, and contribute to the continued development of reproducible data pipelines.

Position Summary

As an Environmental Data Analyst at INSPIRE Environmental and part of INSPIRE’s Data Products & Analytics Team, you will support the management, analysis, quality assurance, and visualization of marine environmental datasets spanning benthic, fisheries, and underwater acoustic disciplines. You will be responsible for developing and maintaining efficient, reproducible workflows for processing, analyzing, and visualizing complex environmental datasets, while contributing to technical reports, data deliverables, and interactive spatial data products.

In this role, you will work with a wide variety of environmental data sources, including imagery, video, geospatial data, biological observations, and acoustic datasets. You will support our data pipeline from planning through reporting, including management, quality assurance and quality control (QA/QC), statistical analysis, visualization, and summarization across multiple projects. The position also offers opportunities to contribute to image-based analysis workflows and the development and application of computer vision and machine learning tools for environmental monitoring and habitat characterization.

While the primary focus of this role is data analysis and scientific interpretation, opportunities for field participation may be available based on project needs and individual interests. Training will be provided as needed. This role will also be expected to contribute to the continuous improvement of analytical workflows, data standards, automation, and technical capabilities across the organization. It is a position that offers variety, responsibility, and opportunities for professional growth within a well-established and expanding marine science company.

Essential Functions

- Develop and maintain efficient and reproducible workflows for environmental data analysis and summarization using R or other analytical tools (e.g., Python, SQL).
- Support data management workflows, including the ingestion, maintenance, and visualization of environmental data within INSPIRE's databases (SQL) and online spatial data viewer and other tools.
- Prepare figures, tables, maps, and other data visualizations for technical reports and client deliverables.
- Familiarity with querying and managing data held in relational database management systems.
- Follow established data review and quality control procedures to ensure data accuracy, completeness, and quality.
- Maintain working knowledge of INSPIRE's file system, databases, and standard operating procedures.
- Assist with assembling and reviewing data deliverables, including metadata and supporting documentation.
- Communicate with other staff on multidisciplinary projects and programs.

Required Qualifications

- Proficiency in R and/or Python for data processing, analysis, and visualization
- Experience analyzing environmental datasets
- Understanding of QA/QC principles and data management best practices
- Strong analytical and problem-solving skills
- High level of organization and attention to detail
- Excellent written and verbal communication skills
- Demonstrated ability to work effectively as part of a team
- Flexibility to adapt to changing schedules and priorities
- U.S. citizen or valid working permit

Required Education and Experience

- Ability to demonstrate above competencies either through educational experience, employment experience, or a combination of both.

Preferred Qualifications

- Experience with ArcGIS and/or QGIS for mapping GIS data
- Experience developing web-based mapping or data visualization applications (e.g., HTML, CSS, JavaScript, Leaflet)
- Experience in environmental consulting
- Familiarity with marine environmental datasets, including benthic, fisheries, acoustic, or oceanographic data

To Apply

Please consider your experience and capabilities in relation to the desired skills and experience presented above. If you think we are a match, please send your CV, a cover letter, and contact information for three professional references to INSPIRE-Careers@Venterra-Group.com and put **"Environmental Data Analyst"** in the subject line. Qualified candidates will be contacted by email and invited for a phone interview. Candidates will be informed before references are contacted.

**We are building a progressive, flexible team to respond to new and exciting work,
join us!**

At INSPIRE, we are committed to providing an environment of mutual respect where equal employment opportunities are available to all applicants without regard to race, color, religion, sex, pregnancy, national origin, age, physical and mental disability, marital status, sexual orientation, gender identity, gender expression, genetic information, military and veteran status, and any other characteristic protected by applicable law. INSPIRE believes that diversity and inclusion are critical to our success as a company, and we seek to recruit, develop, and retain the most talented people from a diverse candidate pool.

No recruiting agency calls or resumes please.