Data Processing Engineer – Copernicus Missions (CIMR/CRISTAL- MicroCarb)

Description

WGS is seeking experienced **Data Processing Engineers** to join our team delivering engineering services to our customer **EUMETSAT** in support of the **Copernicus missions CIMR, CRISTAL, and MicroCarb**.

The service focuses on the **Payload Data Processing (PDP)** sub-systems, contributing to system development, integration, validation, and maintenance activities. The service will be provided hybrid and travel is occasionally required.

Responsibilities

1. CIMR / CRISTAL – Development Phase

Darmstadt (hybrid, at least 20 % on-site)

You will support the definition, development, and validation of the Payload Data Processing systems for CIMR and CRISTAL.

Main tasks include:

- Supporting requirements baseline definition and documentation.
- Participating in system and software integration, verification and validation activities.
- Preparing and executing test specifications and procedures.
- Supporting anomaly investigations, risk assessment, and technical reviews.
- Contributing to CI/CD setup for processor software delivery and testing.

2. MicroCarb – Operations Phase

Darmstadt (hybrid, at least 50 % on-site)

You will contribute to the maintenance and operational support of the MicroCarb Payload Data Processing (PDP) chain.

Main tasks include:

- Investigation and resolution of anomalies and software issues.
- Supporting installation, testing, and performance verification of software updates.
- Contributing to the configuration and validation of the PDP and associated tools.
- Supporting engineering and data-processing improvements and documentation activities.

Qualifications

- **Master's degree** (or equivalent) in Computer Science, Software Engineering, Physics, Remote Sensing or a related technical field.
- Fluent in **English** (spoken & written).
- Excellent communication, presentation, and teamwork skills.
- Ability to work autonomously in a dynamic, multidisciplinary environment.
- **Minimum 3 years** of professional experience in data-processing system engineering, preferably within operational Earth Observation or scientific

Hiring organization
WGS Workgroup Solutions GmbH

Job Location
Darmstadt/Hybrid

Date posted
October 30, 2025

environments.
- Willingness to travel within Europe when required.

Technical Expertise

- Proven experience in **data-processing systems engineering** and operational EO data handling.
- Strong background in **software integration, testing, validation and verification** (VCDs, IV&V plans, test procedures).
- Practical experience with **Linux environments** and **C/C++** software development.
- Scripting and high-level languages: **bash, shell, Python, Perl, Java**.
- Knowledge of **software packaging**/**building** (make, CMake, RPM) and **version control** (git, GitLab, SVN).
- Familiarity with **database systems** and application programming.
- Competence in **automated testing**, **unit test suites**, and **CI/CD workflows**.
- Experience in **data analytics for satellite EO products**.

Process & Quality

- Experience with **requirements management (DOORS)** and **change**/**configuration management** processes.
- Excellent **technical documentation** and writing skills.
- Familiarity with **formal reviews** (Requirement, Design, and Test Readiness Reviews).

Contacts

Interested applicants should submit their CV in **Word** (*.docx) or in **PDF** (*.pdf) format from the website or by emailing the WGS recruitment team at *vacancies@workgroup-solutions.com* before **25.12.2025.**