



" Earth Observation for Social & Environmental Impact "

INTERNSHIP

REMOTE SENSING SPECIALIST (BIODIVERSITY)

COMPANY

Space4Good is an innovative social enterprise utilising earth observation technology for social and environmental impact. Combining remote sensing, GIS and artificial intelligence, we map, analyse and model complex ecosystems and support leading organisations and institutions on topics such as nature-based solutions (NBS) and climate change. By doing so we help impact makers on the ground to make more informed decisions, improve operational efficiency, create data-driven transparency and unlock new revenue sources at scale.

INTERNSHIP GOAL

Apply remote sensing techniques and AI to map and analyze biodiversity parameters in agricultural landscapes within a Horizon Europe Consortium project.

INTERNSHIP TIMELINE

Start: September/October 2024

Duration: 6 months

RESPONSIBILITIES

You will be helping a technical expert perform a specialized task whose outputs will fit into the wider geo-data pipeline. This starts with a proactive approach to collecting relevant requirements, as well as the actual development of the agreed deliverables. Specifically you will review recent papers referencing the different earth-observation layers that can be generated to monitor biodiversity. You will then recreate the state-of-the-art layers in the agricultural context of Europe and relate them with in-situ measurements (eDNA, bioacoustic data, etc.) Finally you will maintain detailed documentation of methodologies, workflows, and results for internal reference. You will have great personal freedom in fulfilling these responsibilities and the opportunity to grow into your preferred expert area.

PROFILE

We are looking for somebody who has:

- Strong understanding of remote sensing methods and products (kernels, ML algorithms)
- Proficiency in remote sensing software (e.g., ENVI, QGIS, ArcGIS)
- Strong programming skills in Python, and Google Earth Engine
- Affinity with vegetation indices related to agriculture and/or high interest in them
- Excellent analytical and problem-solving skills with a keen interest in environmental issues.
- Effective communication skills and fluent in English
- Current enrollment in a university program (remote sensing, environmental science, geography, or a related field)
- Available for at least 6 months
- Ability to work collaboratively among diverse team members in a remote and in-office environment.
- Genuine passion for Space4Good's mission and topics we work on!

JOIN US!

Space4Good is a certified B. Corp that achieves its mission through a service leadership approach and impact-first principle. At Space4Good we believe **diversity** brings the creativity and flexibility that is needed in a rapidly changing world—we highly encourage applications from women and minority groups.

Sounds like your dream job? Tell us why and apply [here](#).

www.space4good.com

The Humanity Hub Fluwelen Burgwal
58, 2511 CJ
Den Haag, The Netherlands



" Earth Observation for Social & Environmental Impact "

INTERNSHIP

REMOTE SENSING SPECIALIST (AGROFORESTRY)

COMPANY

Space4Good is an innovative social enterprise utilising earth observation technology for social and environmental impact. Combining remote sensing, GIS and artificial intelligence, we map, analyse and model complex ecosystems and support leading organisations and institutions on topics such as nature-based solutions (NBS) and climate change. By doing so we help impact makers on the ground to make more informed decisions, improve operational efficiency, create data-driven transparency and unlock new revenue sources at scale.

INTERNSHIP GOAL

Use high-resolution and open source remote sensing data and techniques to monitor agroforestry systems.

INTERNSHIP TIMELINE

Start: October/November 2024

Duration: 6 months

RESPONSIBILITIES

You will be helping a technical expert perform a specialized task whose outputs will fit into the wider geo-data pipeline. This starts with a proactive approach to collecting relevant requirements, as well as the actual development of the agreed deliverables. Specifically you will work on AI-based models for raster classification, conduct literature research on tech availability, quality assessment, reporting on activities and tasks. Finally you will maintain detailed documentation of methodologies, workflows, and results for internal reference. You will have great personal freedom in fulfilling these responsibilities and the opportunity to grow into your preferred expert area.

PROFILE

We are looking for somebody who has:

- Strong understanding of remote sensing methods and geospatial data handling and retrieving processes
- Proficiency in remote sensing software (e.g., ENVI, QGIS, ArcGIS)
- Preferred programming skills in Python, and (Google Earth Engine (JavaScript))
- Experience with AI-based modelling
- Excellent analytical and problem-solving skills with a keen interest in environmental issues.
- Effective communication skills and fluent in English
- Current enrollment in a university program (remote sensing, environmental science, geography, or a related field)
- Available for at least 6 months
- Ability to work collaboratively among diverse team members in a remote and in-office environment.
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