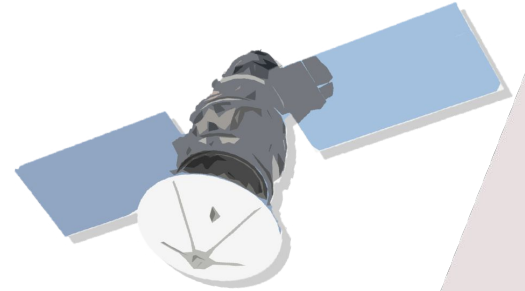




GIS & RS

Geographic Information Systems

Remote Sensing



Workshops

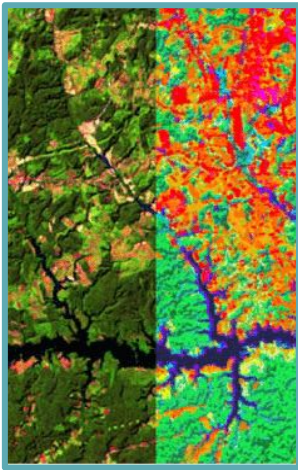
Sharing our expertise and teaching how to leverage novel geo-information to drive impact and innovation!

Space4Good is an avid promoter of GIS and remote sensing (RS) education. Not only for our clients but also for the general public which can benefit from this knowledge to understand recent advancements, assess the technology's potential for their own organisations and further create their custom solutions. As such, we provide online and offline courses such as:

- Basics in Geographic Information Systems
- Basics in Optical Remote Sensing
- Change Detection Analytics
- The active side: RADAR



Trainings 2021



The GIS and RS igniter duo

Basics in Geo-Information Systems & Remote Sensing

Duration: 2 hours

Cost: 500€

This session dives into the basics of geo-spatial data and accessible operations for data handling. We also explore the realm of satellites and how to monitor and analyze their data with optical remote sensing procedures. We base our work on open source software Quantum GIS for the delivery of this workshop which participants can access free of charge. This is a quick brush-up course that will get you at a baseline level of what *geo* and *satellites* are all about!

- Vector and raster data types
- Coordinate Reference systems
- Basic GIS processing tools & operations
- Earth Observation (EO) Satellites
- Parameters for finding EO-data
- Optical satellite data analytics
- Hands-on exercises





En route to a map specialist

Intermediate Geo-Information Systems

Duration: 1 day

Cost: 1200€

This course is for beginners that wish to reach intermediate levels of knowledge in the GIS mapping field by learning to handle, process, analyze and display cartographic data. All items will be demonstrated with hands-on exercises.

- Vector and raster data types
- Adding different external data types
- Coordinates, projections, scales
- Query and selection by location and attribute
- Attribute tables and joins
- Data manipulation and clean-up
- Spatial analytics
- Rules of data visualization
- Creating and exporting a map



Deep in space: Passive Satellites

Intermediate in Optical Remote Sensing

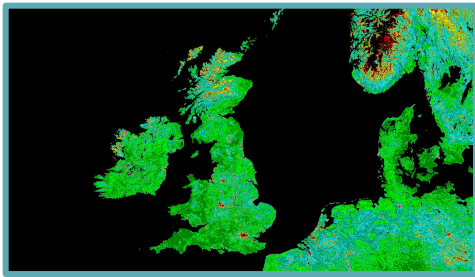
Duration: 1 day

Cost: 1200€

This course is for beginners wanting to expand their remote sensing capabilities by learning to access, download, pre-process, analyze and visualize the Earth Observation data. Hands-on exercises are provided throughout the training.

- Satellite and orbit types
- ElectroMagnetic Spectrum
- EO data resolutions
- Atmospheric Corrections
- Spectral Signatures
- Analytics: band composites, indexes,
- Supervised classification
- Tools and Software for extraction and processing





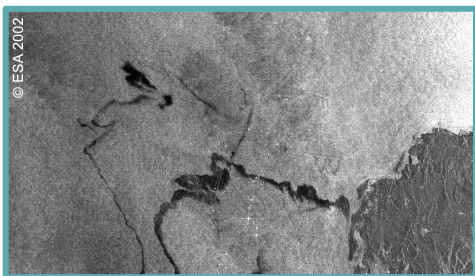
Change detection & Time Series

Advanced Remote Sensing

Duration: 1.5 hours

Cost: 300€

An exploration of change detection and time series analysis. Provides participants with a list of hands on methods to explore.



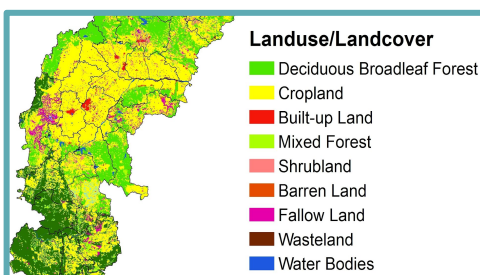
The Active Side: RADAR

Advanced Remote Sensing

Duration: 1.5 hours

Cost: 300€

This course provides participants with the fundamentals of active remote sensing. It delves into radar image processing using open source software SNAP.



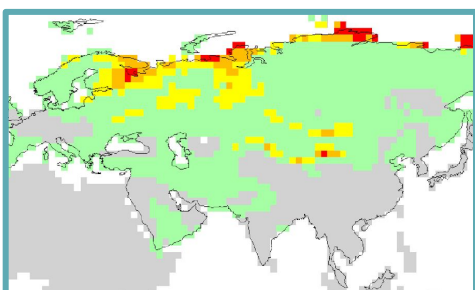
Land Use Classification

Advanced Remote Sensing

Duration: 1.5 hours

Cost: 300€

This course shares techniques for supervised and unsupervised classification of land cover. A mix of remote sensing and machine learning will be used.



Site Suitability Analysis

Advanced Geo-Information Systems

Duration: 1.5 hours

Cost: 300€

A powerful analytical training to evaluate which is the best place for something, i.e. to build an airport. It takes several input parameters and weights them following a GIS-based methodology that will point at the highest rated place for his/her goal.





Something not on the list?



Interested in learning more?
Contact us with your request
and we can compile a
bespoke package together.

Reach Us



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