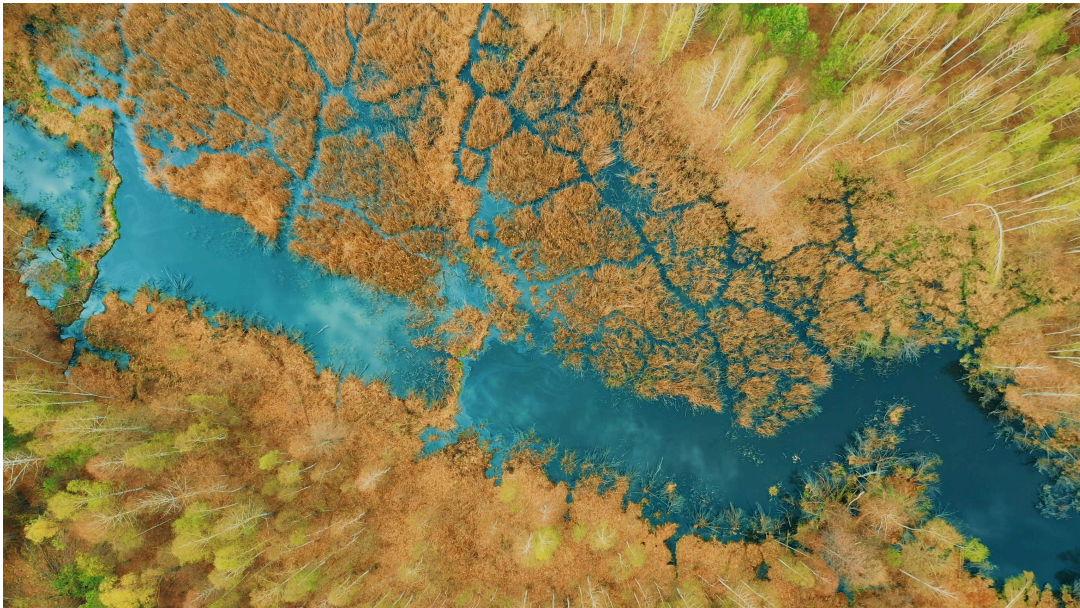




OBSGESSION Newsletter #2

A year has passed of OBSGESSION and we are proud to share our progress with you. From conferences, to field work and collaborations, it has been an amazing first year.



Our 2024 field campaign in the Swiss National Park and Lägern ridge combined ecological fieldwork with advanced airborne imaging. In alpine grasslands, researchers established 80 plots, collecting biomass samples to

analyze plant traits while spectral reflectance data and leaf samples from 97 species provided insights into plant communities.

In forests, traits of beech trees were studied using optical data. This was complemented by airborne imaging, which captured high-resolution spectral data (380–2490 nm) across both sites. The airborne campaign was synchronized with ground-based data collection.

The goal is to link AVIRIS-4 spectral data with biodiversity metrics, enabling scalable methods for ecosystem monitoring and conservation. By integrating fieldwork with cutting-edge technology, this provides tools for efficient, large-scale ecological assessment.

[Read More](#)



Our partners from the Flemish Institute for Technological Research (VITO) are organising a workshop (M2) for OBSGESSION partners who are interested in EBV-enabling data (earth observation, in-situ and citizen science datasets) and data infrastructure.

Topics that we will cover include:

- Meta-data and the database catalogue for earth observation and in-situ data
- Algorithm benchmarking and the openEO platform for remote sensing biodiversity products
- Introduction to the OBSGESSION data platform for data generation and storage

The sessions will take place on the 17th, 18th and 31st of March 2025.

Stay tuned for more information.



OBSGESSION was presented at the biennial meeting of the French Society of Ecology and Evolution in Lyon through a presentation titled "Applying causal inference in Ecology: Motivation, assumptions and methods".

We completed our series of OBSGESSION Seminars on the main project topics. The recordings can be found below:



Essential Biodiversity
Variables

[Watch here](#)



Detection and
Attribution Modelling
Framework

[Watch here](#)



Basics of Uncertainty
of Measurement

[Watch here](#)



We are happy to announce that we started our #PreviousResearch campaign on the project's social media channels. Its aim is to promote relevant scientific literature from the fields of biodiversity monitoring, earth observation and essential biodiversity variables that serve as a backbone to OBSGESSION. You can find the weekly posts on our social media channels.

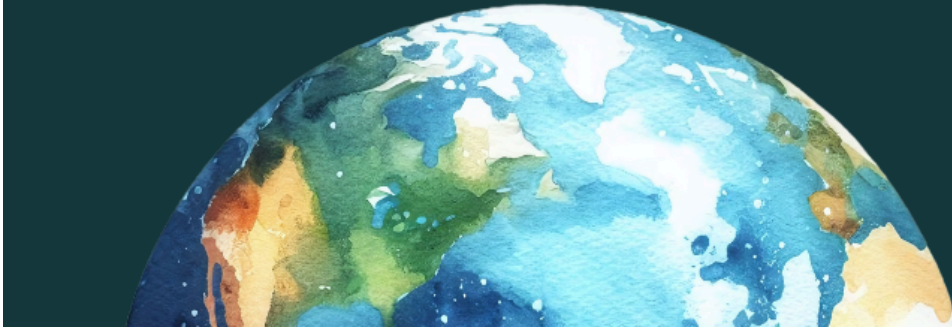
[X \(Twitter\)](#)

[LinkedIn](#)

FROM OBSGESSION

Happy Holidays!

WE WISH YOU A HAPPY HOLIDAY SEASON,
FILLED WITH JOY AND POSITIVE MOMENTS!



The OBSGESSION team extends warm wishes for a restful and joyous holiday season. Here's to a prosperous new year!

OBSGESSION Project

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