

27-29 May | Barcelona, Spain

# BIODIVERSITY MEETS DATA: HIGH-THROUGHPUT BIODIVERSITY MONITORING WORKSHOP – FROM CAMERA TRAP DATA AND EDNA SAMPLE TO DATA IN GBIF

The way we record and monitor biodiversity is rapidly changing. With tools such as **camera traps**, **passive acoustic devices** and **eDNA**, we can record biodiversity across previously data-poor taxonomic groups in unprecedented detail at large scales. However, this innovation comes with its own practical challenges, such as the placement and use of new technology and the analysis of large volumes of data with AI technology. The [Biodiversity Meets Data \(BMD\) project](#) will host a three-day hands-on workshop for Natura 2000 site managers and EU conservation practitioners who want to upskill to use these transformative new monitoring and AI analysis tools.

Running from 27 to 29 May 2026 in Barcelona (ES), the workshop will provide practical experience and training in biodiversity recording using tools focused on the detection of species listed under the Habitats and Birds Directives, the Water Framework Directive and the Marine Strategy Framework Directive, including:

- Camera traps with Artificial Intelligence (AI) species identification
- Environmental DNA (eDNA) sampling with Artificial Intelligence (AI) species identification
- Publishing your biodiversity data to the [Global Biodiversity Information Facility \(GBIF\)](#)

There are **30 places available** for participants. We expect to receive more applications than the workshop can accommodate. **You can express your interest in joining the workshop via this online form.** Expressions of interest are welcome until the **31st of March 2026**, the BMD team will then select 30 participants to join the workshop.

*While the workshop itself is free to attend, travel and accommodation costs won't be reimbursed, in principle.*

Express your interest



# What will the workshop involve?

Wednesday 27 May	
13:00 - 18:00	Travel to Natura 2000 site and demonstration on how and where to deploy 4G camera traps and taking eDNA samples
Thursday, 28 May	
9:00 - 10:30	Analysing camera trap images with the <a href="#">ARISE DSI portal</a>
10:30 - 11:00	Coffee/Tea break
11:00 - 12:30	Continued Analysing camera trap images with the ARISE DSI portal
12:30 - 13:30	Lunch
13:30 - 15:00	Analysing eDNA sequence data with the PlutoF portal
15:30 - 16:00	Coffee/Tea break
16:00 - 17:30	Continued Analysing eDNA sequence data with the PlutoF portal
Friday, 29 May	
9:00 - 10:30	Mobilising datasets to the <a href="#">Global Biodiversity Information Facility (GBIF)</a>
10:30 - 11:00	Coffee/Tea break
11:00 - 12:30	Continued Mobilising datasets to the <a href="#">Global Biodiversity Information Facility (GBIF)</a>
12:30 - 13:30	Lunch
13:30 - 14:30	Analysing camera trap images with <a href="#">AI4WildLive</a>
14:30 - 15:00	Coffee/Tea break
15:00 - 16:00	Analysing the biodiversity data with BMD's Biodiversity Analysis Tools (BATs)
16:00 - 17:30	Drinks

# Who should attend?

- Natura 2000 site managers;
- Conservation practitioners;
- Researchers monitoring biodiversity of Europe's protected areas;
- Representatives of authorities and organisations responsible for biodiversity monitoring and reporting;

**Please use the online form to tell us about yourself and your data needs, and to express your interest in attending. We hope to see you in Barcelona!**

## Additional information

The BMD workshop is free to attend and is intended for managers or organisations that are responsible for the monitoring of biodiversity in Natura 2000 sites and are interested in using high-throughput state-of-the-art methodologies. Organisations that are already working with camera traps can, if they wish, bring their own dataset to be analysed in the ARISE DSI portal.

Food, refreshments and transit to the field trip location during the workshop are covered by BMD. Should you need support to cover the other costs of accessing this workshop (i.e. accommodation, travel to Barcelona), please contact Teresa Calafat Pla at [teresa.calafatpla@naturalis.nl](mailto:teresa.calafatpla@naturalis.nl), who will discuss with you options to enable your participation. Limited funding within the BMD project to enable participation will be targeted towards priority groups.

**If you cannot attend this workshop, but would like to stay informed of future BMD activities, you can [subscribe to our newsletter](#) and [join our stakeholder network](#).**

## More about the [Biodiversity Meets Data \(BMD\) Project](#)

BMD provides access to high-throughput biodiversity monitoring solutions and makes these accessible to managers and managing organisations of Natura 2000 sites. In parallel, the BMD project is developing a suite of Biodiversity Analysis Tools (BATs) for the terrestrial, freshwater and marine realms that are co-designed with our stakeholders, including the managers of Natura 2000 sites, as well as governmental departments that are responsible for reporting on Natura 2000 to the European Environment Agency (EEA). BATs will be available for biodiversity status assessment, population trend analyses, predicted impacts of climate change on the distribution of species, and other key environmental drivers of biodiversity change, etc. Access to the monitoring tools and the BATs will be made available through a Single Access Portal.



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