

21-26 June 2026

Faro, Algarve, Portugal

2nd announcement!



**FONDA**

FOstering Nitrogen Deposition  
Assessment over Portugal

<https://fonda.web.ua.pt>

## Summer School

Ecosystems at risk:  
Modelling reactive nitrogen

This summer school offers an integrated and hands-on introduction to reactive nitrogen in the atmosphere and ecosystems, from fundamental processes to policy relevance. Participants will explore the **reactive nitrogen budget and the modelling systems used to study this budget**.

The programme covers **key atmospheric processes, including chemistry, transport, and deposition, alongside state-of-the-art atmospheric modelling and mapping approaches**.

The ecological consequences of nitrogen pollution and the role of European environmental policies are addressed to connect science with decision-making.

Through practical exercises, participants will gain **hands-on experience** with atmospheric stability analysis, chemistry-transport models, deposition and critical load calculations, and satellite data processing, equipping them with concrete tools for research and applied environmental assessment.

## Location

University of Algarve | Campus da Penha, Faro

## Preliminary agenda

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-10:00	Social event & Ice-breaker	Introduction	Atmospheric mixing and transport	Exercise II	Dry deposition modelling	Critical Loads modelling & mapping
10:00-11:00		Nitrogen cycle			Exercise I	
11:00-12:00			NOx emissions	Surface exchange/ Dry deposition processes		Land-use and vegetation
12:00-13:00		Lunch			Lunch	Remote sensing of NO2
13:00-14:30			Ammonia Emissions	Atmospheric chemistry		Dry deposition parameterization
14:30-15:30		Atmospheric chemistry	Chemistry Transport Modelling	Exercise III	Exercise IV	Recap
15:30-17:00						

**Included:** accommodation\*, classes, lunches, ice breaker, social event, social dinner

**Not included:** travel expenses

**\*Limited availability**



Register here:

