

Spring School in the Pyrenees
18-25 May 2025



Mathematical Theory in Community Ecology

This school is an overview of **theoretical community ecology** for students and researchers from **physics and adjacent fields**.

Community ecology is the study of biological systems at **levels of organization higher than the individual and species**. We will synthesize the role of mathematics in this field:

- 20 hours of lectures covering

Population dynamics
Biodiversity & coexistence
Ecological functions & networks
Randomness & stochasticity
Spatial processes

- discussions & practical sessions

Real-world ecology in the Pyrenees
Testing theory in microcosms
Links to evolution

+ optional mountaineering activities (extra fee)

Apply to:

contact@intp.science
by **1 December 2024**

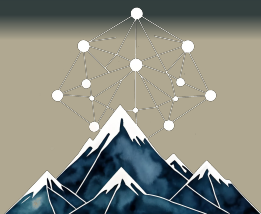
Total fees: 750 euros

Location: INTP campus
French Pyrenees

Team:

Guim AGUADE (CNRS, France)
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Matthieu BARBIER (CIRAD, France)
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More info at <https://intp.science/content/2025-intp-spring-school-community-ecology>



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