Spring School in the Pyrenees
18-24 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 main insights that dynamical & probabilistic models can bring to it.

- 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 15 December 2024

Total fees: 600-750 €

Location: INTP campus French Pyrenees

Team:
Guim AGUADE (CNRS, France)
Daniel AMOR (ENS, France)
Matthieu BARBIER (CIRAD, France)
Guy BUNIN (Technion, Israel)
Juan GIRAL (ENS, France)
Giulia LORENZANA (ENS, France)
Emil MALLMIN (MPI, Germany)
Onofrio MAZZARISI (ICTP, Italy)
Víctor PERIS (ENS, France)
Nadav SHNERB (Bar-Ilan U., Israel)
Matteo SIRECI (ENS, France)

More info at https://intp.science/content/2025-intp-spring-school-community-ecology

intp
institut natura e teoria en pirenèus

173 route de la Courbière
Surba 09400 France
http://intp.science