



Ecological Controversies: Humans and Nature Fall School
Fall Graduate School of the PhD Program in Ecology,
ETH & University of Zurich
Kastanienbaum, Switzerland
When: 24 - 28 October 2022
Time: 9:00 -17:00



"When a thing ceases to be a subject of controversy, it ceases to be a subject of interest."
W. Hazlitt, The Spirit of Controversy

The theme of the summer school will be "Controversies in Ecology Humans and Nature". Now and again, ecologists shake off any reputation as tree-hugging, always-getting-along-well, aligned-in-cause. Instead, they get involved in a good 'ole' disagreement, flinging barbs back and forth in the journals, and elsewhere.

Instructors are experts in a range of controversies:

Stephan Munch (UCSC, USA)
María Alejandra Parreño (TUM, DE)
Katja Räsänen (Univ. of Jyväskylä, FI)
Blake Matthews (Eawag, CH)
Owen Petchey (UZH, CH)
Maria J. Santos (UZH, CH)
Anna Deplazes Zemp (UZH, CH)

Location: [Eawag Kastanienbaum](#).

Students will:

- Develop and present their deep understanding of a controversy.
- Increase their synthetic and critical thinking competencies.
- Think creatively about resolving controversies.
- Probe the role of controversies for diverse impacts of research.
- Increase skills across diverse dissemination pathways

What to bring:

Laptops.

Good walking shoes as if the weather is nice we will go for a walk.

Towel.

Sleeping bag (beds are covered with a sheet and you are provided with a pillow with a pillow case).

Whatever else you need.

1:1 discussion with Instructors

Students: please organize with individual instructors if you wish to have some 1:1 time with them to discuss anything you like.



Monday 24 October 2022

- 8:30 All arrive, welcome coffee
- 9:00 Welcome introduction to controversies in ecology - humans and nature (Owen) and brief introductions by all participants.
- 9.30 Session Owen Petchey
- 10.00 Morning tea.
- 10.30 Session Owen Petchey
- 12.30 Lunch
- 14:00 Session: Stephan Munch - Are the world's fisheries sustainably harvested
- 15.00 Afternoon Tea
- 15.30 Session: Stephan Munch - Are the world's fisheries sustainably harvested
- 17.00 Close for the day
- 18.00 Dinner

Lecturers available for one on ones

Tuesday 25 October 2022

- 9.00 Session: Katja Räsänen - When do we need to care about evolution in the anthropocene?
- 10.30 Morning tea
- 11:00 Session: Katja Räsänen - When do we need to care about evolution in the anthropocene?
- 12:00 Lunch
- 13.30 Session: Anna Deplazes Zemp - Controversy - Biotechnology in Conservation projects.
- 14.30 Afternoon Tea
- 15.00 Session: Anna Deplazes Zemp - Controversy - Biotechnology in Conservation projects.
- 16.30 Session ends
- 17.30 Dinner

Lecturers available for one on ones

Wednesday 26 October 2022

- 9.00 Session: Blake Matthews - How useful simplifications can impair our understanding of human impacts on ecosystems?
- 10.00 Morning tea
- 10.30 Session: Blake Matthews - How useful simplifications can impair our understanding of human impacts on ecosystems?
- 12.00 Lunch
- 13.30 Session: Maria J. Santos: One earth - many goals: how to meet concurrent goals for land use and sustainability, concepts of nexus, locked-in, and inequality.
- 15.00 Afternoon Tea
- 15.30 Session: Maria J. Santos: One earth - many goals: how to meet concurrent goals for land use and sustainability, concepts of nexus, locked-in, and inequality.
- 17.00 Close for the day
- 17.30 Dinner

Lecturers available for one on ones



Thursday 27 October 2022

09.00 Presentation: Alejandra Parreño: Land sharing/Land sparing controversy.
Introduction to workshop and group building.

10.00 Morning tea.

10.30 Workshop: Alejandra Parreño: Human-wildlife interactions.

12.30 Lunch

14.00 Instructor led theory in ecology workshop: Katja Räsänen, Blake Matthews - How is evolutionary ecology research relevant for **managing human impacts** on global ecosystems? From theory to practice

Background reading:

<https://www.swissre.com/institute/research/topics-and-risk-dialogues/climate-and-natural-catastrophe-risk/expertise-publication-biodiversity-and-ecosystems-services.html>

Download this

PDF: https://drive.google.com/file/d/1PV55vmmoZjt_uRp48WwBWGFNIAe0K5Yw/view?usp=sharing

IPBES report:

https://ipbes.net/sites/default/files/2021-06/20210609_workshop_report_embargo_3pm_CEST_10_june_0.pdf

Background paper:

<https://www.annualreviews.org/doi/abs/10.1146/annurev-ecolsys-110218-024621?journalCode=ecolsys>

15.30 Afternoon Tea

17.30 Close for the day

18.00 Dinner

Lecturers available for one on ones

Friday 28 October 2022

9.00 Session: Stephan Munch - Statistics and probability workshop.

10.00 Morning tea

10.30 Session: Stephan Munch - Statistics and probability workshop.

12.00 Lunch and end of course.

