

General Information

Date

10–14 September, 2018

Location

Schweizer Jugend- und Bildungszentrum (SJBZ), Hotel Allegro
Lincolnweg 23, CH-8840 Einsiedeln
www.hotel-allegro.ch

Acomodation

Shared rooms (3 to 4 persons) with shared bathrooms. Rooms will be allocated by the organizers. Full board from Monday lunch to Friday with lunch and coffee breaks.

Credits

2 ECTS



The Sihlsee and the summer school venue in Einsiedeln.
Photo: Hotel Allegro

Eligibility

Priority will be given to students enrolled in one of the following PSC PhD programs: Plant Sciences and Science & Policy.

Other MSc students, PhD students and PostDocs at University of Zurich, ETH Zurich or University of Basel as well as students from other national or international universities are welcome if places are available.

Fee

PhD Students registered at the Life Science Zurich Graduate School (LSZGS, incl. PSC PhD Program «Plant Sciences» and «Science and Policy»): CHF 150. All other participants (incl. national and international Master students, PhD students and PostDocs): CHF 300. The fee covers board, lodging and activities during the summer school study week. Travel expenses are not included.

Students are expected to arrive at the venue on Monday morning, September 10, 2018. For cancellation less than four weeks before the summer school a late cancellation fee of CHF 150 applies.

Scientific Organiser

Zurich-Basel Plant Science Center, University of Zurich, University of Basel, and ETH Zurich, Dr. Melanie Paschke.

Funding

This summer school received funding from swissuniversities and the European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant agreement No 722338 - PlantHUB.

Photos title page:

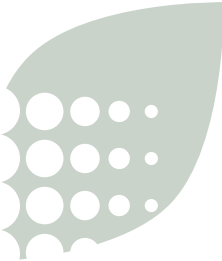
top left: Jialiang Gao, www.peace-on-earth.org

top right: pixabay

bottom left: African Knowledge for Development Networks

bottom right: senseFly SA

All available under CC licences.



University of
Zurich ^{UZH}

ETH zürich



University
of Basel

Zurich-Basel Plant Science Center

PSC Summer School
Responsible Research
and Innovation in
Plant Sciences

September 10–14, 2018, Einsiedeln, Switzerland



Responsible Research and Innovation in Plant Sciences

Social transformation through innovation and research are key elements in the discussion on how the global community could overcome its complex problems related to environmental and economic constraints in a resource-limited world. Innovation conflicts arise when transformation is mainly technological driven and not integrating ethical, legal and social issues. In response, scientists are asked to take a role in science-in-society dialogue.

What does science-in-society mean?

Knowledge that is adapted to societal needs is co-produced between different stakeholders including scientists. Spaces for social learning and transformation are created. Public engagement is key in this process – welcoming civil society actors as partners to express their values and interests in techno-scientific and innovation choices. We have to re-think the scientific research process, opening spaces for the public at the beginning of a research project to come together with the scientists and reflect on the question, which innovation and research should be fostered: By whom? Why? In which ways? Says who?

In this summer school, we will implement the responsible research and innovation framework (RRI) of the European Union in exemplary research fields of plant sciences, including plant breeding, smart farming, digitalization in agriculture or genome editing (CRISPR/Cas-method). You will have the opportunity to reflect on your own research project.

We guide you through the science-in-society research processes that includes the following dimensions: **Anticipating** a wide range of possible futures with the public and stakeholders. **Become reflective** about involved values and interests. **Opening the research process** to all actors, providing them with meaningful information, including different perspectives and expertise across a diversity of communities. And, be **responding and adapting research** to societal needs and views.

Invited speakers will give insight into their research field, conduct interactive workshops and take part in discussions. They will act as mentors in the case studies group work, which will be available as summer school proceedings.

Learning Objectives

By the end of the summer school, participants will:

- Understand the responsible research and innovation (RRI) framework.
- Gain tools for co-producing knowledge.
- Know how to carry out constructive ethical assessment, technology assessment and anticipation techniques.
- Be able to apply design thinking.
- Understand public engagement and deliberation in research.
- Understand transition management.
- Build a responsible research and innovation process for your own project through case studies and best practice examples.

Organization of Student Work

Before summer school

- Application includes description of motivation and background.
- Preparatory reading: Students will need to read the assigned literature before the summer school.

During summer school

- Sessions are composed as lectures, discussions and case study work.
- Group work will be done on case studies, individual working time on this assignment is expected to be 10 h.
- Presentation and integration: At the end of each afternoon, 1 group presents their experiences and insights - Open Format.
- Case study presentations on day 5.

After summer school

- Groups submit a finalized version of their case study for inclusion in the PSC summer school proceedings.

Speakers

- Christian Pohl (D-USYS td-Lab, ETH Zurich, CH)
- Daan Schuurbijs (De Proeffabriek, NL)
- Grégory Grin (Fri Up, CH)
- Monika Messmer and Bernadette Oehlen (Research Institute of Organic Agriculture FiBL, CH)
- Eduardo Perez (World Food System Center, ETH Zurich, CH)
- Jochen Markard (Sustainability and Technology within the Department of Management, Technology, and Economics of ETH Zurich, CH)
- Melanie Paschke (University of Zurich, CH)
- ... and others

See the final program on our website (available at the end of March 2018)

www.plantsciences.uzh.ch/teaching/summerschool.html

Application

Registration is possible via this link:

<https://spsw.registration.ethz.ch>

Please submit your CV and a letter of motivation (5-10 sentences) in a merged pdf. Applications will only be accepted via the official registration site and incomplete applications will be rejected.

Deadline for applications: April 15, 2018

Confirmation of participation will be made at latest by the end of April together with more detailed information.