

Locations

Summer school study week, Sept. 7 – 12, 2014:

Schweizer Jugend- und Bildungszentrum (SJBZ), Hotel Allegro

Lincolnweg 23, CH-8840 Einsiedeln

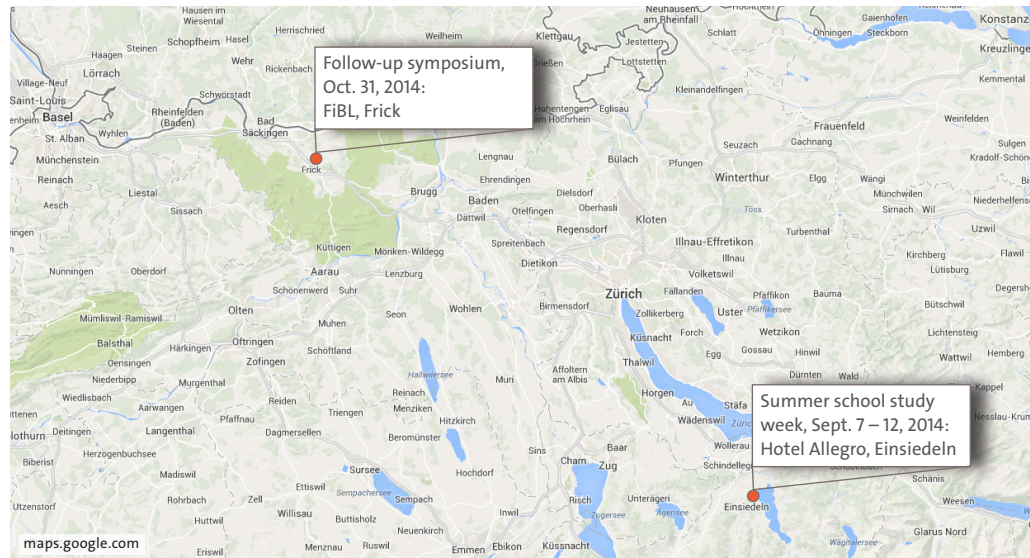
www.hotel-allegro.ch

Follow-up symposium, Oct. 31, 2014:

Research Institute of Organic Agriculture (FiBL)

Ackerstrasse 113, CH-5070 Frick

www.fibl.org/en/switzerland/



The study week venue in Einsiedeln. Photo: Hotel Allegro



The venue for the follow-up symposium in Frick. Photo: FiBL

Organizers

The summer school is organized by the Zurich-Basel Plant Science Center.

Hosting PhD Programs are:

- Plant Sciences (Zurich-Basel Plant Science Center)
- Science & Policy (Zurich-Basel Plant Science Center)
- Ecology (Institute of Evolutionary Biology and Environmental Studies, UZH)

About the Zurich-Basel Plant Science Center

The Zurich-Basel Plant Science Center is a competence center linking and supporting the plant science research community of the University of Zurich, ETH Zurich and the University of Basel. The center promotes fundamental and applied research in the plant sciences. We seek creative approaches to research mentoring and coursework for students and postdocs, and we provide platforms for interactions with peers, policymakers, industry, stakeholders and the general public.

Zurich-Basel Plant Science Center, Universitätstrasse 2, 8092 Zürich

www.plantsciences.ch

Funding

This summer school is part of the “Sustainable Development at Universities Programme” of the Swiss Academies of Arts and Sciences with funding by the Swiss University Conference (SUC) and the Mercator Foundation Switzerland. The summer school receives further financial contribution by the Graduate Campus, University of Zurich.

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SUC · CUN

Stiftung
Mercator
Schweiz

Questions about this summer school? Please contact:

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Summer school website:

www.plantsciences.ch/teaching/summerschool.html

Photos title page: Gabriele Buchmann, Manuela Dahinden, Anett Hofmann



University of
Zurich^{UZH}

ETH zürich

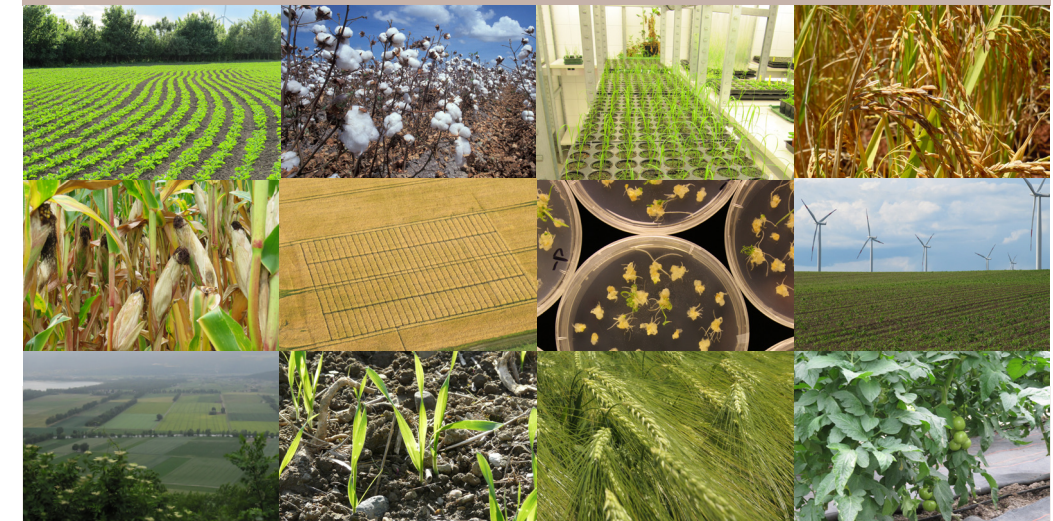


Zurich-Basel Plant Science Center

Summer School

Sept. 7 – 12 and Oct. 31, 2014

Einsiedeln and Frick



Green Revolution Reloaded: Emerging Technologies for Sustainable Crop Production

Green Revolution *Reloaded*:
Emerging Technologies for Sustainable Crop Production

The aim of this summer school is to facilitate discussion about the latest innovations for sustainable crop production. Together with representatives of different stakeholder groups, participants will explore promising solutions and emerging technologies for their potential in sustainable crop production.

We will focus on examples from environmental technology, plant biotechnology, nanotechnology as well as new strategies for plant breeding. Participating MSc students, PhD students and PostDocs will benefit by (1) building skills in analyzing research and technology for sustainable crop production and by (2) developing network contacts with stakeholders from science, policy and industry.

Learning objectives

- 1. Learn about the role of emerging technologies for sustainable crop production
- 2. Interact with representatives from different stakeholder groups (basic and applied research, federal agencies, NGOs, industry)
- 3. Build skills in analyzing research and technology for sustainable crop production
- 4. Work in small groups on case studies to produce and present a position statement in the follow-up symposium
- 5. Establish network contacts for short-term internships

“Agricultural development demands and depends on innovation and innovation systems. Innovation is widely recognized as a major source of improved productivity, competitiveness, and economic growth throughout advanced and emerging economies. Innovation also plays an important role in creating jobs, generating income, alleviating poverty, and driving social development.”

R. Rajalahti (2012) Agricultural Innovation Systems, World Bank.

Program

During the summer school study week (Sept. 7 – 12, 2014) invited speakers will give input presentations, take part in plenary discussions, workshops and act as mentors. A list of confirmed speakers can be found on the summer school website.

The program of the summer school study week will include sessions on:

- Sustainability concepts and indicators
- Challenges for agricultural research and development
- Acceptance of emerging technologies
- Economics of emerging technologies in crop production
- Developing an agenda for transfer of emerging technologies from research to implementation

Participants of the summer school will work in small groups on case studies and be guided by mentors. The results of the group work will be presented in the form of position statements at the follow-up symposium (Oct. 31, 2014).

In addition to the summer school, MSc students, PhD Students and PostDocs will have the opportunity to complete a short-term internship (1 – 4 weeks) at the institutions that take part in the summer school. This optional opportunity is a chance for knowledge transfer and networking for young scientists.



Outcome

Summer school participants will be guided to produce a position statement on a case study in small groups with a mentor. A position statement is a scientifically based argumentation about an applied problem, i.e. a question of practical, societal concern. The position statement provides an expert opinion on the current debate, indicates points to consider in the decision process, compiles the existing knowledge relevant for the problem. It is prepared for a clearly defined audience, e.g., administrative officers at, e.g., a federal agency.

Duration

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|--|-----------------------|
| Six day summer school study week | Sept. 7 – 12, 2014 |
| One day follow-up symposium | Oct. 31, 2014 |
| <i>Optional: Short-term internship (1 – 4 weeks)</i> | <i>Fall term 2014</i> |

Eligibility

MSc students, PhD students and PostDocs at University of Zurich, ETH Zurich or University of Basel. Preference will be given to students enrolled in, or planning to enroll in, one of the following PhD programs: Plant Sciences, Science & Policy, Ecology. Some space is available for students from other Swiss universities and for international students.

Recognition

3 ECTS for participation in the summer school study week (Sep. 7 -12, 2014) and preparation of a position statement as group work, including presentation at the follow-up symposium (Oct. 31, 2014).

Poster award

Participants will present posters about their current research projects. A poster award (CHF 300) will be given to the best poster, based on scientific content and clarity of presentation during the poster session.

Fee

Fees cover board, lodging and activities during the summer school study week and the follow-up symposium. Fees for PhD students and PostDocs: CHF 150, for MSc students: CHF 60. Travel expenses are not covered.

Registration

Registration will be open Apr. 10, 2014 – May 20, 2014. Applicants will submit the following items as a merged PDF (i.e., one PDF file that includes all documents): (1) CV, (2) reference letter (from the supervisor of the current or last research project) and a (3) short motivation statement (5 – 10 sentences). Evaluation of the incoming registrations will be based on the participant’s education, link of personal research work to topics in the summer school and motivation statement.

For registration please visit the summer school website:

www.plantsciences.ch/teaching/summerschool.html