

Zurich University
of Applied Sciences



Life Sciences and
Facility Management

Institute of
Natural Resources Sciences



IEES / ZHAW Symposium 2012

Eco-Cities & Ecological Engineering

new solutions through transforming
traditional ways of thinking

January 26–28, 2012

**Campus Grüental, Waedenswil
Switzerland**

Scope of the symposium

Our world is approaching a phase where several resources will become scarce at the same time: energy, nutrients, water availability, space... The wealth and well-being of coming generations will depend on us being able to adapt our economies to the finite world that our planet actually is.

Transforming today's cities into sustainable eco-cities is one of the main adaptations that will be necessary. Ecological engineering offers a holistic approach, a wide spectrum of possible solutions and a wealth of business opportunities. It might well become one of the key factors in this transformation process.

There is a major obstacle against this transition: conventions and paradigms in the minds of planners, engineers, architects and politicians. In the past 200 years, they have been the drivers of an unprecedented success story in our societies. However, today these inherited ways of thinking increasingly represent barriers to new and more sustainable approaches!

This symposium actively addresses these barriers and searches for ways – based on existing positive examples – to proceed beyond them. It will deal with relevant issues from water management to urban development, industrial ecology, and source-separation.

Six keynote speakers, each at the cutting edge in their specific fields are offering insights and inspiration into how ecological engineering approaches can become reality. During the world-café rounds and the workshops you will get into intensive exchanges with professionals from a variety of fields who share a deep interest in promoting ecologically engineered solutions.

We live in a world where cities, regulations and minds seem to be built in concrete. We are looking for ways to seed and nurture ecological engineering.

Sponsors



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Thursday, 26 January 2012

11:00 – 13:00	Shuttle bus from parking area “Gerenu”
11:30 – 12:55	Registration and coffee
13:00 – 13:10	Welcome address
13:10 – 14:20	K1: Paradigm change – when does it happen? Experiences from historical research Dr. Daniele Ganser, Historian and Peace Researcher, Basel University, Switzerland
14:20 – 15:00	K2: Biomimicry – from organisms to the built environment. New ideas for the future Anna Maria Orru, Eco-Architect, Sweden
15:00 – 15:25	Break
15:30 – 16:30	World Café Step 1: Discovery Discovering positiv examples and frameworks Facilitator: Gunther Geller (IÖV, www.ioev.de)
16:30 – 17:10	K3: Shaping the future of urban water management Dr. Tove Larsen, Engineer, EAWAG, Switzerland
17:10 – 17:50	K4: The shift from Eco-Efficiency to Eco-Effectiveness Andreas Schläpfer, Dipl. Ing. FH, Representative EPEA Switzerland
17:50 – 18:20	“Cases” Workshop: Introduction to the thematic tracks of Friday afternoon
starting at 18:20	Apéro (a Swiss cocktail reception)
starting at 19:30	Dinner at ZHAW Grüental

Cases Workshop – Call for contributions

The aim of the “Cases” Workshop is to learn about factors that lead to success or failure of a project and how they can be overcome.

Currently (Nov. 3, 2011), three workshop tracks are confirmed:

- 1 Urban Farming & Urban Aquaculture**
(Chair: Prof. R. Junge, ZHAW, Switzerland)
- 2 Sustainable Sanitation/Ecological Sanitation** (Chair: N.N.)
- 3 Sustainable Water Management/Watershed Management**
(Chair: N.N.)

If you are interested to contribute a case study or organize an additional workshop track, please send an abstract to:
andreas.schoenborn@zhaw.ch until November 30, 2011.

Friday, 27 January 2012

7:30 – 8:00	Shuttle bus from parking area “Gerenu”
7:45 – 8:00	Warm-up and coffee
8:00 – 8:45	K5: Art as an icebreaker for sustainable technology Herbert Dreiseitl, Atelier Dreiseitl, Landscape architect, Germany
8:45 – 9:00	Break
9:00 – 11:45	“Cases” Workshop (call open until November 30, 2012)
11:45 – 13:00	Lunch
13:00 – 15:15	World Café steps 2 and 3: The dream/vision and The design Facilitator: Gunther Geller (IÖV, www.ioev.de)
15:15 – 15:30	Break
15:30 – 16:15	Plenary, reports from “Cases” Workshop tracks
16:30 – 17:15	K6: Transition & ecological engineering <small>(working title)</small> N.N. (ecological engineer, pending request)
17:15 – 17:30	Good-bye address , end of symposium
starting at 18:30	IEES general assembly 2011/12

World Café

In small groups gathered around tables we will get to know each other, exchange experiences and work on ideas and approaches for future EcoCities. Using the combined methods of “world café” and “Appreciative Enquiry” we will first look at the cities of today and existing positive examples within them. In the second and third step we will develop visions and designs and agree upon first steps towards future EcoCities. Gunther Geller (president of IÖV, the German sister of IEES) as an experienced facilitator in this method will guide us through this process.

Saturday, 28 January 2012 – Field trip

The field trip will lead to ecological engineering projects in Switzerland, such as, e.g., a recycling system, an ecological development or a zero energy housing estate. Several possible destinations are currently evaluated. The final decision will be made by the end of November 2011.

Information

Target Audience

- engineers, entrepreneurs, architects and researchers who are developing ecological engineering concepts and are willing to share their insights and experiences about the obstacles they encounter
- people from businesses or from local, regional or national administrations interested in solutions that are outside the trodden paths they are familiar with
- professionals from all kinds of fields or politicians searching for innovative and holistic solutions in an open-minded way

Organizers

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Fees

Symposium fee (January 26 and 27, 2012)	CHF 250.–
Symposium fee (IEES and IÖV members)	CHF 180.–
Students (with valid student ID)	CHF 120.–
Dinner, Thursday January 26, 2012	CHF 60.–
Field trip, Saturday January 28, 2012	to be determined

The symposium fee includes documentation, coffee and snacks during breaks, and lunch on Friday January 27, 2012.

You will receive a bill according to your registration.

Accommodation is not included in the symposium fee.

A list of hotels and hostels in and around Waedenswil is available at **www.iunr.zhaw.ch/iees2012**

Registration

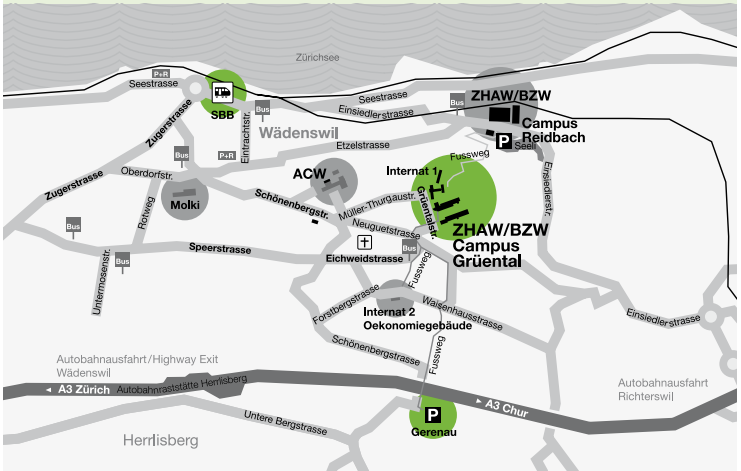
Online registration: **www.iunr.zhaw.ch/iees2012**

Surface mail registration (Swiss participants only): Please fill out and send the form in this brochure.

Your registration is only valid after confirmation by the conference secretariat.

Venue

The Symposium is to be held at the Institute of Natural Resources Science in Wädenswil, which belongs to the Zurich University of Applied Sciences ZHAW. Wädenswil is a picturesque town of about 20.000 inhabitants on the south shore of the Lake of Zurich. The Grüental Campus, where the symposium takes place, can be easily reached by public transport.



How to find us – from Zurich to Wädenswil

- **By train** (for details, see www.sbb.ch):
 - From the Zurich main railway station (Hauptbahnhof) to Wädenswil: trains five times an hour (S2, S8, Interregio), travel time 20–30 minutes
 - From Zurich airport to Wädenswil: direct trains every 30 minutes (S2), travel time 35 minutes
- **By car**
 - Leave the A3 motorway (Zurich-Chur) at the exit 'Wädenswil' and follow the sign 'ZHAW Tagung' until Gerenu

From Wädenswil railway station to ZHAW Campus Grüental

- **By public transport**
 - buses number 123 and 126 to the bus stop 'Hochschule'
- **By taxi**
 - Wädi Taxi +41 44 780 52 52 or City Taxi +44 780 77 77 (approximately CHF 15.– one way)