

# CCES Winter School “Science Meets Practice”

Building competence and confidence for  
better inter- and transdisciplinary interactions



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Digital poster prepared for the First Global Conference on Research Integration and Implementation,  
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Relevant conference theme: **Educating the next generation**

# The problem

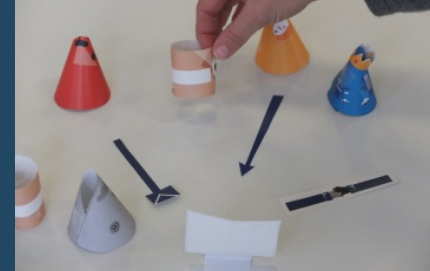
The fragmentation of disciplines and societal domains creates...

- separated knowledge systems and sometimes incompatible rationales;
- ignorance and misunderstandings; and
- untapped innovation spaces of solution finding for complex environmental and societal problems.

# What can individual scientists do to enhance science-practice exchange and interdisciplinary collaboration?

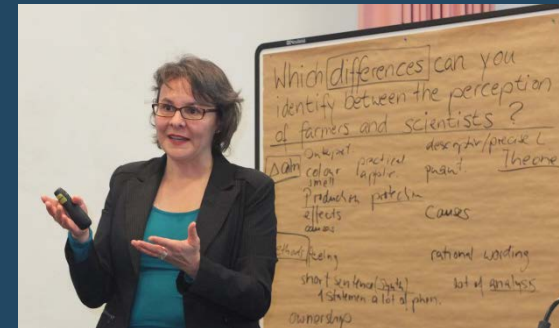
The CCES Winter School “Science Meets Practice” provides guidance in form of an intensive transferrable skills course for PhD candidates and Postdocs

What does that guidance involve?



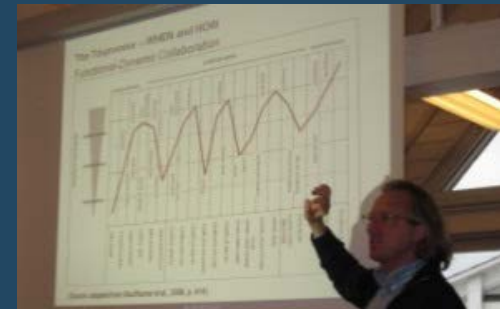
# The CCES Winter School “Science Meets Practice” ...

1. enhances the awareness for different knowledge systems and forms of knowledge;
2. creates room for reflection on the role of science in society;
3. helps identifying positions and relations of scientists and their research questions within systems of relevant disciplines and stakeholders;



## The CCES Winter School “Science Meets Practice”...

4. conveys concepts, methods and tools to create and manage enabling science-practice interfaces;
5. offers media training and writing exercises;
6. provides test fields for real stakeholder interactions.



# How participants and stakeholders perceive it...

- “The whole flow of the program was just an incredible experience not only intellectually but most of all because of the fun we had throughout.”
- “It was wonderful to experience the high level of motivation among students and lecturers. Their willingness to work together in order to improve how we relate to society was outstanding.”
- “The stakeholder workshop was beyond my expectations. We will try to use the gained insights in our municipality.”



# Products: Video and newsflash 2013



Take a look into the working context and learning process of the Winter School participants 2013. Video: <http://www.cces.ethz.ch/winterschool/video>

**NEWS  
FLASH**  
CCES WINTER  
SCHOOL

**CUT IN YOUR  
STAKEHOLDERS**

Today, scientists need to tackle complex social and environmental issues. Sometimes this goes beyond the traditional boundaries of academia. Therefore it is important that science considers methodologies that help manage this interaction with society.

**Rehearsal time**

Scientist should be clear on how their research relates to society and what methods aid the collaboration process. Learning these new techniques fits very well with the intentions of the Winter School. Such training helps an individual researcher manage interactions with stakeholders.

About Christian Pohl  
Christian Pohl (\*1966) is senior environmental scientist at ETH Zurich. His main interest is using transdisciplinarity as an intellectual tool to address socially relevant issues in environmental research and sustainable development. He focuses on knowledge co-production process that integrates research and societal change towards sustainable development.



A coach at the Winter School is Dr. Christian Erik Pohl. He is a lecturer of Participatory Research at the ETH in Zurich. A useful method taught by Dr. Pohl at the Winter School is "Stakeholder Constellation" (continued on next page).

Christian Pohl demonstrating how the "Stakeholder Constellation" methodology works with participants of the Winter School 2013 who were acting out the various roles of stakeholders.

Newsflash on "stakeholder constellation" technique  
[http://www.cces.ethz.ch/winterschool/pws/2013/Newsflash\\_2013](http://www.cces.ethz.ch/winterschool/pws/2013/Newsflash_2013)

# Apply for the CCES Winter School “Science Meets Practice” 2014

- Call for applications now open
- Online application at [http://www.cces.ethz.ch/winter\\_school/coming\\_winter\\_school](http://www.cces.ethz.ch/winter_school/coming_winter_school)
- Application deadline:  
September 30, 2013



**Science Meets Practice 2014**

Join the CCES Winter School and learn how to better interact with practitioners

Wislikofen, January 6 to 9 and February 3 to 6, 2014

Strengthening the dialogue between science and practice

There is an increasing need for scientists to interact with people and institutions outside the scientific community. This requires the capability to critically reflect on scientific activities and their consequences for society and environment, and to communicate with self-confidence. The CCES Winter School builds capacity to create and manage forms of dialogue between science and practice.

«There was the right balance between theory and practice and it was wonderful how the interaction between people from different backgrounds and in particular people coming from the natural sciences and social sciences interacted; there was a lot of room for that which I think is something very new.»



# CCES partners, goals, and activities

- The CCES Winter School is an initiative of CCES ([www.cces.ethz.ch/](http://www.cces.ethz.ch/))
- CCES is an inter-institutional center of excellence for multi-, inter- und transdisciplinary research for environment and sustainability between the Swiss federal technical universities (ETHs) and the four national research institutes Eawag, WSL, PSI, Empa, all part of the ETH Domain
- CCES fosters long-term institutional cooperation and increases the visibility of environmental research
- CCES promotes dialogue and networking between stakeholders outside the scientific community and the implementation of research results in practice
- CCES develops and distributes educational programs about environmental and sustainability issues in cooperation with partners

# Contact details and links

## Contact:

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## Links:

- CCES Winter School [www.cces.ethz.ch/winterschool](http://www.cces.ethz.ch/winterschool)
- Competence Center Environment & Sustainability of the ETH Domain [www.cces.ethz.ch](http://www.cces.ethz.ch)
- The Transdisciplinarity Laboratory, USYS TdLab, ETH Zurich [www.tdlab.usys.ethz.ch](http://www.tdlab.usys.ethz.ch)

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