



Challenges and Prospects of Hydropower and Deep Geothermal Electricity Production in Switzerland

10 - 11 September 2015

Université de Neuchâtel, Faculté des Sciences

The second SCCER-SoE Annual Conference will be held at the University of Neuchâtel on the occasion of the 50th anniversary of its Centre for Hydrogeology and Geothermics (CHYN). The first day will be devoted to Hydropower, the second to Geo-Energy.

In the morning, highlights of ongoing SCCER-SoE projects and prospects of future research will be presented. During both days, poster sessions will offer detailed project insights. In the afternoon, key representatives from politics, industry, and federal offices will illustrate their views on the future of Hydropower and Geo-Energy in Switzerland.

The SCCER-SoE in brief

The Swiss Competence Center for Energy Research – Supply of Electricity (SCCER-SoE) is one of eight research centers established by the Federal Council to support the Swiss Energy Strategy 2050.

The SCCER-SoE focuses on sustainable and effective research in the fields of Geo-Energy and Hydropower. It establishes new professorships and research positions, builds new technology platforms and laboratories, and implements pilot programs for future technologies.

The center is organized as a national network of 23 industrial and academic institutions distributed across Switzerland.

In cooperation with the CTI



Energy funding programme
Swiss Competence Centers for Energy Research



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

Thursday, September 10, 2015

Hydropower

08:50	Registration and coffee
09:20	Welcome address <i>B. Colbois (UniNE)</i>
09:30	Introduction of the SCCER-SoE <i>D. Giardini (ETHZ)</i>
09:50	Swiss Hydropower agenda <i>F. Avellan (EPFL)</i>
10:10	Drivers for change: socio-economics, climate change, and environment <i>M. Stähli (WSL), H. Weigt (UNIBAS), M. Schmid (Eawag)</i>
10:40	Group picture, poster session, and coffee break
11:30	Hydropower infrastructure - How to make Swiss hydropower more competitive? <i>A. Schleiss (EPFL)</i>
11:50	Hydrological systems <i>P. Burlando (ETHZ), D. Anghileri (ETHZ)</i>
12:10	Future of Swiss large Hydropower plants <i>F. Avellan (EPFL)</i>
12:30	Future of Swiss small Hydropower plants <i>C. Münch (HES-SO)</i>
12:50	Lunch and poster session
14:30	Individualized support for your business <i>CTI innovation mentor</i>
14:40	View from the federal office <i>K. Riva (BFE)</i>
14:55	Message from the industry association <i>M. Bölli (ISKB)</i>
15:10	Challenges for the industry <i>N. Zepf (Axpö)</i>
15:25	Politische Entwicklung und ökologische Auswirkungen der Wasserkraft <i>B. Jans (National Council, SP)</i>
15:40	Round table on the Swiss Hydropower agenda Lead: <i>F. Avellan (EPFL)</i>
16:30	Poster award and session, coffee, and aperitif
17:30	Closure

Friday, September 11, 2015

Geo-Energy

08:40	Registration and coffee
09:10	Welcome address and Swiss Geo-Energy agenda <i>D. Giardini (ETHZ)</i>
09:30	Rocks, water, and heat: 50 years of research at the center for hydrogeology and geothermics at UniNE <i>S. Miller (UniNE)</i>
09:50	Reservoir exploration, characterisation, modeling, and validation <i>L. Diamond (UniBE), T. Driesner (ETHZ)</i>
10:10	Deep underground lab, pilot & demonstration projects <i>D. Giardini (ETHZ), F. Amann (ETHZ)</i>
10:30	Challenges for CO ₂ storage <i>M. Saar (ETHZ)</i>
10:50	Mapping the Swiss underground <i>O. Lateltin (swisstopo)</i>
11:10	Group picture, poster session, and coffee break
11:40	Geothermal exploration in Western Switzerland <i>A. Moscariello (UNIGE)</i>
12:00	Risk assessment and mitigation for the energy sector <i>S. Wiemer (ETHZ)</i>
12:20	Global observatory of electricity resources <i>P. Burgherr (PSI)</i>
12:40	High-end modeling requirements for the energy sector <i>R. Krause (USI)</i>
13:00	Lunch and poster session
14:30	View from the federal office <i>G. Siddiqi (BFE)</i>
14:45	The FORGE initiative of the US department of energy <i>M. Häring (geo explorers)</i>
15:00	Challenges for the industry <i>P. Meier (Geo-Energie Suisse AG)</i>
15:15	Political developments <i>S. Müller-Altermatt (National Council, CVP)</i>
15:30	Round table on the Swiss Geo-Energy agenda Lead: <i>D. Giardini (ETHZ)</i>
16:30	Poster award and session, coffee, and aperitif
17:30	Closure

Registration

Personal registration is requested on the [conference website](#) until August 15, 2015.

Entrance is free.

Call for Posters

Research partners are invited to present their projects on a poster. On both days, the top three posters will be awarded by a committee.

Requirements:

- A0 size, vertical / portrait format only
- If the project is funded by the SCCER-SoE, the logos of the SCCER-SoE and CTI have to be shown at the head of the poster.

Authors have to register their poster on the [conference website](#) until August 15, 2015.

Contact

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Location & Getting There

Université de Neuchâtel
 Faculté des Sciences
 Building „UniMail“
 Room F-100
 Rue Emile-Argand 11
 2000 Neuchâtel

Walking: 15 minutes from Neuchâtel mainstation

Bus: Number 107 from „Neuchâtel, Gare Bl.-Cendrars“ to „Neuchâtel, Portes-Rouges“, from there 5 minutes walking

Car: Parking available on Avenue de Bellevaux

Find detailed directions on the [conference website](#).



Academic Research Partners



Cooperation Partners

