

4th International Conference “Water in the Alps”

Sustainable Hydropower - Strategies for the Alpine Region -

Munich, Germany, 22-23 October 2012



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Organized by:

- the Federal Ministry of the Environment, Nature Conservation and Nuclear Safety;
- the Bavarian State Ministry of the Environment and Public Health;
- the Permanent Secretariat of the Alpine Convention.

**Conference location: Bavarian Academy of Sciences and Humanities
Alfons-Goppel-Str. 11
80539 München**

Conference languages: German - French - Italian - Slovenian

Draft Agenda

Monday, 22 October 2012

Session 1: Setting the scene:

Chairman: Fritz Holzwarth, Germany, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

- 10:00 Welcome Address** Marcel Huber
Minister,
Bavarian State Ministry of the Environment and Public Health
- 10:15 Introductory remarks** Ursula Heinen-Esser
Parliamentary State Secretary,
Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
- 10:30 Introductory remarks** N.N.,
Swiss Presidency of the Alpine Convention
- 10:45 Introductory remarks** Marco Onida,
Secretary General,
Alpine Convention
- 11:00 Panel Discussion** Moderator:
Thomas Schustereder, Bavarian Broadcasting
- Participants:
- Karl Schwaiger, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria
 - Fritz Holzwarth, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany
 - Bruno Stephan Walder, CIPRA International
 - Martin Grambow, Bavarian State Ministry of the Environment and Public Health

12:15 Lunch

Session 2:

Framework conditions for sustainable hydropower in the Alpine Region

Chairman: Klaus Arzet (StMUG), Bavarian State Ministry of the Environment and Public Health

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| 13:45 | WWF's approach to strategic planning of hydropower development' | Georg Rast,
WWF |
| 14:05 | Energy autonomy Vorarlberg: an example of Best Practice – a contribution to achieve the EU target 20/20/20 | Peter Matt,
Vorarlberger Illwerke |
| 14:25 | Implementation of the WFD: example of Tyrol | Fridolin Zanon,
Forum for Alpine water-management in Europe |
| 14:45 | Discussion and conclusions | |

15:30 Coffee break

Session 3:

Further potential for the use of sustainable hydropower

Chairman: Regula Imhof, Vice-Secretary General, Alpine Convention

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| 16:00 | Further potential for the use of sustainable hydropower in the Alpine Region | Oyvind Vessia (tbc),
European Commission |
| 16:20 | Further potential for hydropower, the conflict areas with ecological objectives and the policy for the ecological rehabilitation of existing hydropower facilities in Switzerland | Stephan Müller,
Federal Office for the Environment,
Switzerland |
| 16:40 | Guidelines for sustainable hydropower use in Danube River Basin | Mitja Bricelj,
Institute for Water of the Republic of Slovenia |
| 17:00 – 17.45 | Discussion and conclusions | |

19:00 Dinner

Tuesday, 23 October 2012

Session 4:

Activities of the Platform “Water Management in the Alps”: Sediment Transport

Chairman: Martin Pfaundler, Federal Office for the Environment, Switzerland

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| 09:00 | Results of the Alpine Convention Workshop on Sediment Transport, Vienna, December 2011 | Karl Schwaiger, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria |
| 09:20 | Licca Liber – the free Lech | Markus Grünzner
Institute of Hydraulic and Water Resources
Technical University Munich |
| 09:40 | Sediment management plans in French mountainous catchment | Benoît Terrier (tbc)
Water Agency Rhône-Méditerranée and Corse |
| 10:00 | Discussion and conclusions | |
| 10:30 | Coffee break | |

Session 5:

Activities of the Platform “Water Management in the Alps”: Hydropeaking

Chairman: Karl Schwaiger, Federal Ministry of Agriculture, Forestry, Environment and Water Management, Austria

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| 11:00 | Results of the Alpine Convention Workshop on Hydro-peaking, Zurich, June 2012 | Martin Pfaundler, Federal Office for the Environment, Switzerland |
| 11:20 | Title | N.N. |
| 11:40 | Title | N.N. |
| 12:00 | Discussion and conclusions | |
| 12:30 | Lunch | |

Session 6:

Good practice examples

Chairman: Stephan Müller, Federal Office for the Environment, Switzerland (t.b.c.)

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| 13:30 | Developing a decision support system for Sustainable Hydropower in Alpine Rivers Ecosystems (SHARE) | Andrea Mammoliti - Mochet
SHARE project |
| 13:50 | SEE Hydropower – strategic planning for Slovenia | Sašo Šantl
University of Ljubljana,
Faculty of Civil Engineering
and Geodesy |
| 14:10 | Hydropower and nature conservation: Salzach | Michael Spannring, SKI
GmbH + Co.KG |
| 14:30 | “Grimselwelt” project | Steffen Schweizer,
KWO Grimselstrom |
| 14:50 | Discussion and conclusions | |

Final Session:

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| 15:00 | Summary, Final Conclusions and Way Forward | Fritz Holzwarth |
| 15:30 | End of second day | |

Wednesday, 24 October 2012

Excursion

“Sylvenstein Dam”

Time: 8:00 until 16:00



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The Sylvenstein reservoir - named after a natural bottleneck in the upper Isar valley approximately 70 km South of Munich – is fed by the river Isar and its tributaries Dürrach and Walchen. The dam produces a fjord-like lake which fits naturally into the mountainous region and appears to be a relic from the ice age.

Since it started to become operational in 1959, the reservoir has served flood control purposes. In periods of draught it helps to maintain a minimum water level of the Isar which is subject to downstream water extractions. The discharge from the reservoir is being used to generate environmentally sound electricity for the public power grid.

Currently extensive repair and modernisation work is being carried out. After 50 years in operation the dam of the Sylvenstein reservoir will receive an additional sealing wall and a new leakage recording and monitoring system will be installed making the reservoir system one which corresponds to the present state of technology.

The excursion will also include a visit to one of the bed load retention dams which control the sediment influx to the reservoir