Seminar directed to stakeholders in Italy
Belluno, 04-05.11.2010

ARPAV (Regional Land Safety Department) and BELL (Province of Belluno) have organized a two days event directed to stakeholders in Italy (for the detailed programme see the attached leaflet).

On 4th November 2010 an excursion to hydropower plants in the Province of Belluno was carried out with the precious help of two producers: ENEL Produzione S.p.A. and Consorzio BIM Piave.

On 5th November 2010 a seminar about MIF was held at Sedico (Belluno).

During both days a huge amount of stakeholders (as SEE HYDROPOWER partners, producers, decision makers, politicians, fishers, designers and technicians) actively participated to the discussion about hydropower production, renewable energy sources development, environmental quality preservation and flood risk prevention.

Excursion to hydropower plants in the Province of Belluno

Valle and Pieve di Cadore (Belluno) – 04.11.2010
Total participants: 70

During the afternoon of Thursday 04th November 2010 a technical visit to 3 hydropower plants was carried out at Valle and Pieve di Cadore following this programme:

- 13:30 Departure from Belluno train station
- 14:30 Visit to the Valle di Cadore reservoir: ENEL Produzione S.p.A. explained the ongoing flushing operations; all the participants had the possibility to see live the dredge operations (Fig. 1) and to make a lot of questions to the ENEL staff (Fig. 2)

![Fig.1: Flushing operations by the means of a dredge – Valle di Cadore reservoir, 04.11.2010](image-url)
15:30 Visit to the small hydropower plant of Valle di Cadore: Consorzio BIM Piave explains the functioning and the scheme related to the SHP installed along a pipe of the Valle di Cadore aqueduct; all the participants had the possibility to visit the room where is installed the turbine and to make a lot of questions to the Consorzio BIM staff.

16:30 Visit to the Pieve di Cadore reservoir: ENEL presented some data and characteristics about the reservoir and the scheme of the other related reservoir along the Piave river basin (Fig. 3); then the participants was divided into 4 groups in order to visit the internal part of the Pieve di Cadore dam. Inside the dam ENEL explained the functioning of all the sensors and monitoring system installed with the aim to control the stability and the safety of the dam (Fig. 4).

19:00 End of the excursion
Seminar “Minimum Instream Flow: addresses, rules, and experiences”

Villa Patt - Sedico (Belluno) – 05.11.2010

Total participants: 158

A seminar on MIF and related problems took place on 5th November 2010 at Villa Patt (Sedico, Belluno) (Fig. 5). The moderator was Dr. Alberto Luchetta, Director of the Regional Land Safety Department (ARPAV). The first part of the meeting was dedicated to welcome address in which many politicians had expressed the interest on the seminar topics and on the problems related to the MIF assessment along the rivers:

- Giovanni Piccoli (Major of Sedico)
- Gianpaolo Bottacin (President of the Province of Belluno)
- Bruno Zanolla (Assessor for Water Resources – Province of Belluno)
- Dario Bond (Regional Councillor – Veneto Region)
- Sergio Reolon (Regional Councillor – Veneto Region)

Then the speakers presented the addresses and experiences about MIF in 4 Italian Regions (Piemonte, Lombardia, Friuli Venezia Giulia and Veneto), in 2 Italian Autonomous Provinces (Trento and Bolzano) and in 2 European Countries (Slovenia and Austria). The 158 stakeholders involved was composed by SEE HYDROPOWER partners, producers, decision makers, politicians, fishers, designers and technicians. At the end of the seminar an interesting and participated discussion, coordinated by Bruno Zanolla (Assessor for Water Resources – Province of Belluno) took place and involved many participants (Fig. 6). The discussion was focused on several aspect (hydropower production, renewable energy sources development, environmental quality preservation and flood risk prevention) related to MIF.

Fig.5: The participants during the seminar – Sedico (Belluno), 05.11.2010

Fig.6: A phase of the final discussion – Sedico (Belluno), 05.11.2010
SEE HYDROPOWER is based on the European Directive on the promotion of Electricity from Renewable Energy Sources (RES-e) respect to the Kyoto protocol targets, that aims to establish an overall binding target of 20% share of renewable energy sources in energy consumption and a 10% binding minimum target for biofuels in transport to be achieved by each Member State, as well as binding national targets by 2020 in line with the overall EU target of 20%. Objectives of the SEE HYDROPOWER deals with the promotion of hydro energy production in SEE countries, by the optimization of water resource exploitation, in a compatible way with other water users, and following environmental friendly approaches. Main activities of the project concerns the definition of policies, methodologies and tools for a better water & hydropower planning and management; the establishment of common criteria for preserving water bodies; to assess strategies to improve hydropower implementation (such as SHP); testing studies in pilot catchments of partner countries; promotion and dissemination of project outcomes among target groups all over the SEE Region countries. The partnership significantly represents not only the SEE countries but also includes a well balanced mixing of public administrations (5 partners) & agencies (2 partners) ruling hydropower development and related water bodies conservation; and scientific & research institutions (5 partners) having the most advanced technology and standard background applied to water management and hydropower generation. Target groups representatives from SEE countries are reinforced by the presence of 8 Observer partners.

Organisation:

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Programme

4th November 2010

Excursion to hydropower plants in the Province of Belluno (Italy)

13.30 Departure from Belluno (train station)
14.30 Flushing operation of Valle di Cadore reservoir (ENEL Produzione S.p.A.)
Visit to the Valle di Cadore SHP (Consorzio BIM Piave)
16.30 Visit to the Pieve di Cadore HPP (ENEL Produzione S.p.A.)
18.30 Arrival to Belluno (train station)

The organisation will provide a bus for all the participants to the excursion and a social dinner in Belluno (20:30).

5th November 2010

Seminar directed to stakeholders in Italy
Villa Patt, Sedico (Belluno)

8.30-9.00 Registration
9.00 Opening of the seminar
Moderator:
Dr. Alberto Luchetta
(Director of the Regional Land Safety Department – ARPAV)

Welcome address
Mayor of Sedico
President of the Province of Belluno
Councilor for Water Resources
Regional Authorities

9.20 SEE HYDROPOWER Project
(Prof. Ing. Maximo A. Peviani, Coordinator of the Project, RSE)
Presentation of the SEE HYDROPOWER project: partnership, main objectives, activities, pilot cases, outcomes, etc.

9.50 Eastern Alps Management Plans
(Ing. Roberto Casarini and Ing.Cristiana Gotti, River Basin Authority of Isonzo, Tagliamento, Livenza, Piave, Brenta-Bacchiglione)

10.10 Legal procedures concerned HPP concessions in Veneto: the MIF
(Ing. Tiziano Pinato, Direzione Difesa del Regione Veneto)

10.30 Coffee break

11.00 Municipalities’ experience in the Province of Belluno
(Ing. Giovanni Piccoli, Consortium “BIM Piave”)
11.20 MIF in Austria - overall achievements and best practice examples
(Dr. Albert Rechberger, Land Steiermark)
11.40 MIF: biological issues and fish fauna
(Dr. Gianmaria Sommavilla, Office for Protection and Management of Fauna and Water Resources - Province of Belluno)
12.00 Methods for determination of MIF (ecologically acceptable flow) in Slovenia
(Dr. Natasa Zvanut Smolar – Institute for water, Mag. Saso Santl – University of Ljubljana)
12.20 MIF in Piemonte Region: rules and experiences
(Dr. Gianfranco Bertolotto, Water Resource Management Office – Piemonte Region)
12.40 MIF in Lombardia Region: rules and experiences
(Ing. Guido Mariani - Lombardia Region)
13.00 Lunch Break

14.30 Guidelines and experiences in the Friuli Venezia Giulia Region
(Alberto Deana, Hydraulic Service – Friuli Venezia Giulia Region)
14.50 Guidelines and experiences in the Province of Bolzano
(Ernesto Scarperi, Office for Water Protections – Province of Bolzano)
15.10 Guidelines and experiences in the Province of Trento
(Ing. Stefano Cappelletti, Public Water Utilities Service – Province of Trento)
15.30 Discussion
Coordinator: Councilor Bruno Zanolla
16.30 Closure of the seminar