

10th European Club Symposium Antalya - Turkey

Reportage by Michel LINO – Vice-President of ICOLD

The 10th European Clubs Symposium was held in the historic city of Antalya from 25 to 30 October 2016. The Symposium, organized by the TRCOLD with the support of the ICOLD European Club, was attended by about 650 participants representing 25 countries. In connection with the tense security situation in the Turkey and in the surrounding countries, the ranks of participants from Western Europe were relatively sparse. This was compensated by a strong Turkish participation and by the very warm welcome we received.

The Symposium has been held under the sponsorship of The Ministry of Forestry and Water Affairs, and in cooperation with the The State and Water Affairs General Directorate (DSI), and The Turkish National Committee (TRCOLD).

Opening ceremony (October 26th)



The opening ceremony opened by a speech of H.E. Prof. Dr. Veysel EROĞLU, Minister of Forestry and Water Affairs and Honorary President of TRCOLD. He underlined his country's long history of dam engineering and noted that Turkey was one of the top ranking countries in the world as regards the number of dams and hydropower plants under construction or in operation. Prof. Dr. EROĞLU commented that the hydraulics works which has been implemented in Turkey during almost 4000 years, mostly in Anatolia, cradle of many civilizations, had made the country one of the richest and most interesting open air museum in the world, in term of historical water infrastructures.

Opening speeches were given by Michel Lino, Vice President of ICOLD for Europe, Murat Acu, President of TRCOLD and Director of DSI and Guido Mazzà, President of the European Club.

Michel Lino recalled the eminent position of Turkey in the world of dams: the second country after China for construction of dams on its territory and abroad and a major country for dams design and construction in Europe. He stated that ICOLD and EURCOLD have a lot to learn from the Turkish achievements and this symposium was the place to share this outstanding experience. Turkey has a paramount position for dam safety issues. Indeed Turkey is one of the most seismic areas in Europe and in the world and has had the privilege to build dams on very large rivers among them the mythic Tigre and Euphrates, like the huge Ataturk dam.





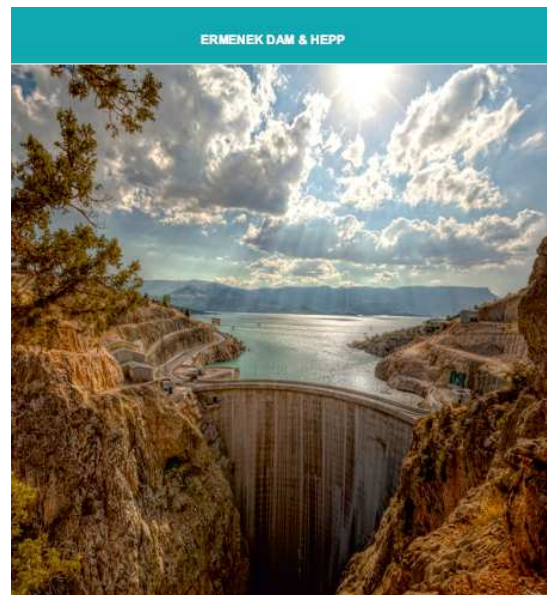
In the afternoon, Prof Luis Berga of Spain, Honorary President of ICOLD gave a special lecture on “Storage and sustainable development”. He underlined the importance of dams to meet a wide range of human needs.

A Panel on “Financing of dams and hydro projects” was chaired by Prof Dogan Altinbilek. The importance of project financing and the successes with BOT/PPP models was discussed in details, with specific examples of challenges faced and successes achieved.

Symposium

The symposium has been held on 27th and 28th of October. The following themes have been selected by TRCOLD :

- Mega projects in Europe (Ermenedek HEPP, Deriner Dam, Limmern pumpstorage, Yusufeli dam)
- Dam safety, Rehabilitation and Surveillance
- Managing risk in dams and HEPP projects
- Type of dams : RCC, CFRD, ECRD, ACRD, Tailing, Hardfill, Concrete Arch
- Auxiliary Structures : Spillways, Diversion and energy tunnel, Bottom outlets, Hydro mechanical and Electrical Equipment.



Symposium attendance

The sessions were chaired by Mumtaz Turfan, Prof.Dr. Louis Berga, Akif OZkaldi, Quentin Henry Shaw, Enrique Cifres, Ali Riza Diniz, Prof.Dr. Ilter Turan and Mine Orhon. The audience was numerous and the discussions lively and exciting.

43 papers were presented and a large number of posters were displayed around the International Exhibition hall.

The full papers are available on the following link: http://trcold.com/page/en/80/FULL_PAPER

Meeting of the board of the European club (26th October 2016)

The meeting of the ICOLD European Club Executive Board took place on 26th October 2016 in the afternoon and was chaired by President Mazzà. President Mazza recalled his actions during his three years mandate:

- Cooperation with other organizations and associations to increase the possibility of being effective at the European level,
- Proposals for training and dissemination of information at European level to fill the generation gap,
- Promotion of the activities of task forces and working groups,
- Preparation of a “manifesto” setting out the position of the European ICOLD Club on the present and future role of dams and hydropower in Europe.



He commented on the state-of-the-art of the European ICOLD Club and presents the final version of the Manifesto and the action plan to disseminate it. He introduced his successor Jean-Jacques Fry, from France that has been elected in Johannesburg in June 2016.

Working groups

Michel Lino underlined the importance of the Regional Clubs activities in promoting science and research as strongly confirmed by the ICOLD President Anton Schleiss. President Mazzà presented the document sent by Rémy Tourment about the activities in progress of the WG “Levees and Flood Defenses”.

Then, a brief synthesis of the Saint-Malo Symposium relevant to the WG “Dams and earthquakes” was presented. The event was the occasion to outline the fruitful collaboration with the JCOLD. Michel Lino added that the WG made various studies and research works on the seismic signals provided by JCOLD that will allow calibration seismic numerical methods. President Mazzà informed that the next Symposium of the WG will be held in Rome on 6th and 7th of February 2017.



Meeting of the ICOLD European Club Executive Board

Candidacy of GreekCOLD to host the 11th European ICOLD Symposium in October 2019

George Dounias, President of the GreekCOLD, made a presentation relevant to the proposal to host the 11th European CLUB Symposium in Crete, showing a video about dams and hydro works in the famous Greek island.

Technical tour

A very interesting technical tour was proposed to the participants on 28th October.



Two dams were visited.

Naras dam was constructed in the 20 km North of the Manavgat District of Antalya Province on the Naras River for flood protection purpose and irrigation storage. Naras dam is 78 m high gravity RCC dam and has been commissioned in 2010.

Visit of Naras dam on the Naras river

Oymapinar dam is an arch dam built in 1984 on the Naras river to generate hydroelectric power. It is located upstream the Naras dam. It is a wonderful arch structure, 185 m high, built in a very complex karstic context. The dam has four underground turbines with a total capacity of 540 megawatts.



Visit of Oymapinar high arch dam in the Manavgat basin

A touristic part was included with the visit of the Manavgat waterfall, a very scenic natural landscape and the antic city of Side.



Manavgat falls and Side antic city



An attractive performance of Whirling Dervishes completed the cultural program.