Report from ROCOLD-GCOLD 1st meeting

Held in Romania from 25/11/2015 to 27/11/2015

The ROCOLD delegates to participate in the event were:

1. Altan Abdulamit, President of ROCOLD, Assoc.Prof. of Civil Engineering, Technical University of Civil Engineering Bucharest
2. Iulian Dan Asman, Secretary of ROCOLD, Head of Dam Monitoring & Safety Office, Romanian Water National Administration
3. Adrian Popovici, ROCOLD board of Directors, Prof. of Hydraulic Engineering, Technical University of Civil Engineering Bucharest (Former President of ROCOLD)
4. Radu Sarghiuta, ROCOLD board of Directors, Prof. Eng. and Vice Rector, Technical University of Civil Engineering Bucharest (Former President of ROCOLD)
5. Catalin Popescu, ROCOLD board of Directors, Representative of the Young Engineers forum, Lecturer, Technical University of Civil Engineering Bucharest
6. Aurel Cocioran, ROCOLD member, RAYCAP

The GCOLD delegates to participate in the event were:

1. Dr. Georgios Dounias, Chairman of GCOLD
2. Ioannis Argyrakis, GCOLD Member, Director of Hydroelectric Generation Department, PPC SA
3. Serafeina Lazaridou, GCOLD board of Directors, Civil Engineer MSc
4. Avraam Bensasson, GCOLD board of Directors - Former Vice-President GCOLD, Civil Engineer NTUA
5. Evangelos (Angelos) Rabias, GCOLD board of Directors, RAYCAP

The event schedule was the following:

Wednesday November 25, 2015	**8.40**	**Arrival at the Otopeni Intl. Airport in Bucharest (OTP)**
	11.30	**Visit to Paltinu Dam**
	14.00	**Lunch at a Prahova Valley Restaurant**
	15.30	**Check – in at a Brasov Hotel**
	16:00	**Short sightseeing of Brasov**
	20.30	**Dinner**
Thursday November 26, 2015	**8.30**	**Check-out and departure from the Brasov Hotel**
	9.30	**Visit to Sacele Dam**
	11.30	**Visit to Maneciu Dam**
	14.00	**Lunch at a Prahova Valley restaurant**
	15.30	**Check-in at a Bucharest hotel**
	20.30	**Dinner**
Friday November 27, 2015	**8.30**	**Check-out and departure from the Bucharest hotel**
	9.30	**Short sightseeing of Bucharest**
	13.00	**Meeting with members of ROCOLD at the Technical University of Civil Engineering Bucharest**
	14.30	**Lunch at a restaurant in Bucharest with members of ROCOLD Executive Bureau**
	16.30	**Departure to Otopeni**
	19.00	**Departure from the Otopeni Intl. Airport (OTP)**

In every dam we visited, we had a small meeting where an introduction of the dam operation and important facts was made by the Project Manager (of each dam). After the meeting we had a visit on the dam site.

Paltinu Dam

Paltinu Dam is the first dam we visited, owned by the Romanian Water Authority. It was constructed from 1966 to 1971. It is located in the Doftana River, near the town of Campina in the Prahova county. Its purposes are:

a) Drinking and industrial water supply

b) Hydroelectricity (installed power 10.2 MW, average energy output 30.2 GWh/year)

c) Irrigations

d) Fish farming

e) Recreation

It is an arch dam of about 108 m height. The reservoir volume of the dam is about 54 hm^3 and the reservoir area is about 1,975,000 m^2.

The spillway type is morning glory with a total discharge capacity of about 760 m^3/s.

Sacele Dam

Sacele Dam is the second dam we visited, owned by the Romanian Water Authority. It was constructed from 1972 to 1975. It is located in the Tarlung River, near the city of Brasov in the Brasov county. Its purposes are:

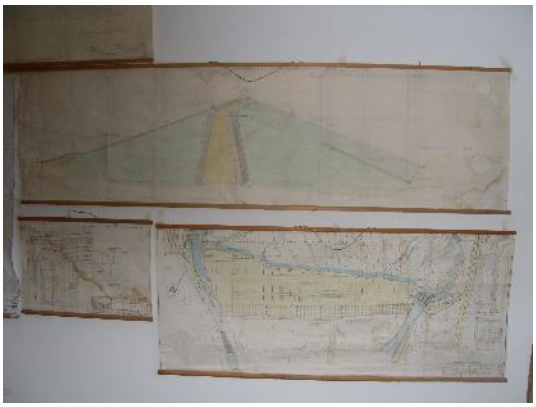
a) Drinking and industrial water supply

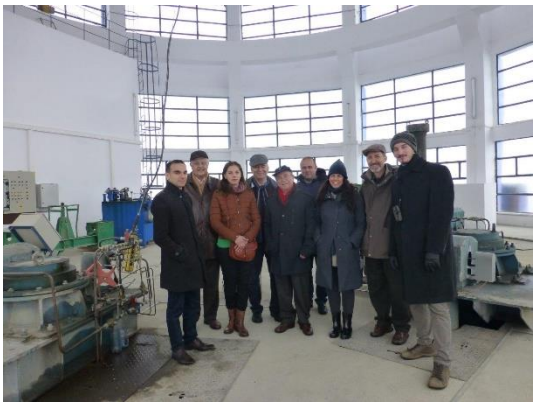
b) Hydroelectricity

It is an earthfill dam with a clay core of about 45 m height. The reservoir volume of the dam is about 15 hm^3 and the reservoir area is about 1,480,000 m^2.

The spillway type is gated spillway with a total discharge capacity of about 800 m^3/s.

The dam was heightened in 1994-1998 and as a result the reservoir capacity was increased by 10 hm^3.





Maneciou Dam

Maneciou Dam was the third dam on our schedule, owned also by the Romanian Water Authority. Unfortunately due to the very bad weather conditions it was not possible to approach it so the visit on site was cancelled. The dam was constructed from 1978 to 1994. It is located in the Taleajen River, near the town of Maneciou in the Prahova county. Its purposes are:

a) Drinking and industrial water supply

b) Hydroelectricity (installed power 10 MW, average energy output 17.4 GWh/year)

c) Irrigation

d) Flood control

e) Recreation

It is an earthfill dam with a clay core of about 78 m height. The reservoir volume of the dam is about 60 hm^3 and the reservoir area is about 1,920,000 m^2.

The spillway type is morning glory with a total discharge capacity of about 1350 m^3/s.

On the third day we had a meeting in the morning with the ROCOLD delegates. The meeting was held in the ROCOLD offices which are located in the Technical University of Civil Engineering Bucharest. During the meeting we discussed about each committee history and more important about each committee's future targets. From the meeting it was clear that both committees have much experience in different areas so a future cooperation would benefit both.

The ROCOLD gave us the Dam Safety guidelines that they have prepared recently so that we can have a look since we are in the process of creating the same guidelines in Greece.
In the end we renewed our appointment for the 2nd meeting between the two committees that will be held in Greece probably in April 2016.