

## SUPPORTERS OF MACOLD EVENTS IN 2019

- 1 AD ESM, Skopje
- 2 FCE, SCMU, Skopje
- 3 AD Water Economy of RN Macedonia, Skopje
- 4 Mine Sasa, Makedonska Kamenica
- 5 AD Granit, Skopje
- 6 Mine Buchim, Radovish
- 7 Civil Engineering Institute "Macedonia", Skopje
- 8 IZIS, SCMU, Skopje
- 9 AD Ading, Skopje
- 10 PE HS Strezhevo, Bitola
- 11 PE HS Zletovica, Probishtip
- 12 Geo Hydro Consulting, Skopje
- 13 Hydro Energy Engineering, Skopje
- 14 Chakar & Partners, Skopje
- 15 Ministry of agriculture, forestry and water economy, Skopje
- 16 PE Studenchica, Kichevo
- 17 AD ESM, HS Crn Drim, Struga
- 18 MGM Engineering, Skopje
- 19 AD ESM, HS Mavrovo, Gostivar
- 20 PE Lisiche, Veles
- 21 AS ESM, HS Treska, Skopje
- 22 Sintek Specific, Skopje
- 23 Hydro Konsult, Skopje
- 24 Geing KuK, Skopje
- 25 AD ESM, REK Bitola, Novaci
- 26 Chamber of certified architects and certified engineers, Skopje
- 27 Institute for testing of material and new technologies, Skopje

## SUPPORTERS OF SLOCOLD EVENTS IN 2020

- 1 Slovenian Chamber of Engineers, Ljubljana, Slovenia
- 2 Association of Civil Engineers and Technicians, Ljubljana, Slovenia
- 3 University of Ljubljana, Faculty of Civil and Geodetic Engineering, Ljubljana

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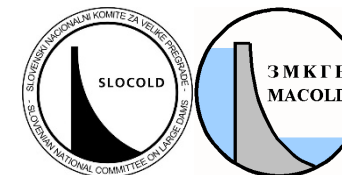
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Slovenian Committee on Large Dams (SLOCOLD)  
Macedonian Committee on Large Dams (MACOLD)

Members of International  
Commission of Large Dams  
(ICOLD)



Members of European Club of  
ICOLD



## SECOND SLOCOLD - MACOLD SYMPOSIUM ON TOPIC

## WATER RESERVOIRS – AN ACTIVE MEASURE IN ADAPTING TO CLIMATE CHANGE

Second Announcement, 16.11.2020

Skopje - Ljubljana, 4<sup>th</sup> of December, 2020

## ABOUT MACOLD

The Macedonian Committee on Large Dams (MACOLD) is expert, non-government and non-profitable engineering organization and it is a member of the International Commission on Large Dams (ICOLD) since 1950, as part of the former YUCOLD. As an independent organization, MACOLD is member of ICOLD since 1994 and member of the European Club of ICOLD (EUCOLD) since 2006. MACOLD has important role in design, construction and maintenance of large dams in RN Macedonia, throughout direct participation of its members in realization of the projects as well as organization of several congresses, symposiums, workshops, study tours and expert presentations.

Previously MACOLD has organized following scientific events:

- (1) Symposium on topic: Designing and construction of dam Kozjak (1999),
- (2) First Congress on dams (2004),
- (3) Symposium on topic: Dam Kozjak – experience from construction, first filling and initial service (2005),
- (4) Second Congress on dams (2009),
- (5) International Workshop "Advanced methods and materials for dam construction", with lecturers from Greece, Switzerland and R. Macedonia (2010),
- (6) International Symposium "Dams - recent experiences on research, design, construction and service", organized by MACOLD and SLOCOLD (2011),
- (7) Symposium on topic: Tailings dams in R.Macedonia (2012),
- (8) Third Congress on dams (2013),
- (9) 10<sup>th</sup> Symposium on Water Economy and Hydrotechnics (2014),
- (10) Symposium on topic: State of the Water Economy Infrastructure (2015),
- (11) 11<sup>th</sup> Symposium on Water Economy and Hydrotechnics (2016),
- (12) Fourth Congress on dams (2017),
- (13) Tribune on topic: 80 years of Dam Engineering in Republic of Macedonia (2018),
- (14) 12<sup>th</sup> Symposium on Water Economy and Hydrotechnics (2019).

## ABOUT SLOCOLD

Slovenian Committee on Large Dams (SLOCOLD) was formed in 1993 and is a member of ICOLD since the same year and member of ICOLD EU Club since 2005. SLOCOLD at present has approximately 80 individual and 18 corporate members which come from (hydro) power production companies, consultants, institutes, civil contractors and state agencies. It is a voluntary organization engaged in all disciplines of dam engineering: design, analysis, construction, monitoring, maintenance and legislation. SLOCOLD members are active nationally as experts within their working fields as well as internationally in ICOLD Committees and in ICOLD EU Club working groups and other activities. In the first years of activities, translation of the ICOLD dictionary on dams and establishment of the Slovenian Registry of Dams represented a strong motive for common action of SLOCOLD members. Symposia, partly with international attendance and with printed proceedings are also a relatively constant activity of SLOCOLD which was realized 13 times in the 27 years of SLOCOLD existence. The present SLOCOLD activities are directed towards better cooperation with other ICOLD European committees which is also a perfect base and reason for the proposal of the joined MACOLD – SLOCOLD symposium.

## PURPOSE OF THE SYMPOSIUM

Water reservoirs are fundamental structures for the environment and water economy, especially in term of climate change and the necessity of providing demand of water for human needs, as well as maintaining proper conditions for habitats connected to water and/or even water dependent in XXI century. From water economy aspects, the only structures providing temporal and spatial management of water resources are reservoirs, made by constructions of dams. Accumulation of water is proving to be an absolute necessity for managing the spatial and temporal hydrologic uncertainty, for overcoming the asynchronous of available water and water demands and for effective reduction of harm caused by extreme hydrologic events (droughts and floods). From environmental aspects, the proper planning and operation with water reservoirs provide favorable life conditions, allows for protection of endangered species and enhancement of biodiversity in future. There is a concern and opposition of certain individuals and environmental groups, based on their belief that nature is unprecedented, that building large dams with reservoirs in river valleys are harmful for animal and plant species. Nonetheless, the effect of climate changes proves just the opposite – water reservoirs are prerequisites and an active measure for survival of these species.

## SYMPOSIUM INFO

The Symposium will take place on 4th of December, 2020. In regard to the current situation with COVID-19 outbreak, the Symposium will be held **online**. Additional information will be announced in the final announcement. The registration fee for the Symposium is €25 (equivalent to 1500MKD) and it includes online participation to the Symposium and PDF version of the Proceedings.

Beside the MACOLD's and SLOCOLD's members and National Committees on Dams from the region, all involved in the water economy branches in Slovenia and RN Macedonia, apropos employees in state and scientific institutions, water economy and communal enterprises, as well and employees in civil engineering companies, are invited for participation on the Symposium.

The participants will receive Certificate for continuous professional development from the Chamber of certified architects and certified engineers, Skopje, by 3 CPD points that can be used at obtaining certifications.

Official language of the Symposium is English.

The registration fee can be paid on the following bank account of MACOLD for payment in MKD: 300000001888141 TAX NUM: 4030002505887, Komercijalna banka AD Skopje.

The registration fee can be paid on the following bank account of SLOCOLD: SI56-0201-0001-9573-887, BIC LJBAS12X for payment in euro for SLOCOLD.

## SYMPOSIUM TOPICS

The Symposium papers, unpublished previously, should consider the following topics:

### Topic no. 1

**Water reservoirs – an active measure in adapting to climate change**

### Topic no. 2

**Rehabilitation, upgrade and technical monitoring of constructed dams**

### Topic no. 3

**Research, design and construction of dams and appurtenant structures and realization of future multi-purpose hydro systems**

### Topic no. 4

**Improvement of the legislative for construction of hydraulic structures**

## PAPERS SUBMISSION

The interested authors should submit title and abstract (as soon as possible) of the paper on English language in electronic copy (MS Word template) on the following email address: [smitovski@gf.ukim.edu.mk](mailto:smitovski@gf.ukim.edu.mk)

Abstract should not contain more than 200 words and should contain concise paper information, names of the authors, organization, address, telephone and email of the contact person.

The Editorial Boards will review the submitted abstracts and the authors will be informed electronically for paper acceptance, when they will receive detail instruction on the full paper preparation. The paper is planned to be limited at maximum 12 pages. One author as first author may participate in maximum two papers.

The prepared papers according to the detail instruction should be submitted in electronic copy (MS Word) on the specified email address. The papers will be printed in Symposium Proceedings.

## SYMPOSIUM AGENDA

Friday, 4<sup>th</sup> of December, 2020

|                      |                       |
|----------------------|-----------------------|
| <b>10:00 – 10:15</b> | Opening ceremony      |
| <b>10:30 – 12:15</b> | Working session no. 1 |
| <b>13:00 – 14:45</b> | Working session no. 2 |
| <b>15:00 – 15:15</b> | Closing ceremony      |

## IMPORTANT DATES

|                   |   |
|-------------------|---|
| <b>22.11.2020</b> | Full paper submission                             |
| <b>01.12.2020</b> | Symposium final announcement and Symposium agenda |
| <b>04.12.2020</b> | Working day of the Symposium                      |