



WORKSHOP



Technical Committee P Cemented Material Dams

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Saturday, May 28, 2022

13:45 – 16:15

(Room N° 2)

Introduction

The Cemented Material Dams (CMD) are defined as a series of new dam types using cementitious binders together with various natural or manufactured materials. Efforts have been made to design CMD to make the best use of local resources, leading to the utilization of a wide range of materials in different types of dams:

- **Cemented Soil Dams (CSD)** built with fine soils,
- **Rock-Filled Concrete Dams (RFCD)** built with rock elements larger than 300 mm,
- **Hardfill/CSG/CSGR Dams** built with granular materials (sand, gravel, coarse elements) with a maximum size up to 150 mm, and even 300 mm in some specific cases.

The workshop is devoted to the presentation of 2 new bulletins produced by Committee P:

- **The RFCD bulletin**
- **The CSD bulletin**

Program

13:45 – 13:50: General Introduction: M. Lino (Vice-President of Committee P), France

13:50 – 14:10: Presentation (video) of the RFCD Bulletin: F. Jing, China

14:10 – 14:50: Presentation of the CSD Bulletin

- Introduction: M. Lino, France
- From transport infrastructures to hydraulic works: D. Puiatti, France
- Properties of treated soils: P. Cochet, France
- Design: M. Lino, France
- Perspectives and conclusions: M. Lino, France

14 :50 – 16 :10: Invited presentations on Cemented Soil uses (about 10 min/presentation)

1. The French Seine North Europe Canal: B. Deleu, France
2. CSD: Engineering and design advances: P. Agresti, France
3. Example of application: China
4. Field tests on overtopping resistance of CS: P. Peeters, Belgium
5. Field tests on overtopping resistance of CS: T. Mallet, France
6. Protection CS dike with high stakes: P. Agresti, France
7. CS and small dams: M. Kaboré, Burkina Faso
8. Soil preparation before treatment: D. Puiatti, France

16:10 – 16:15: Conclusion: M. Lino