

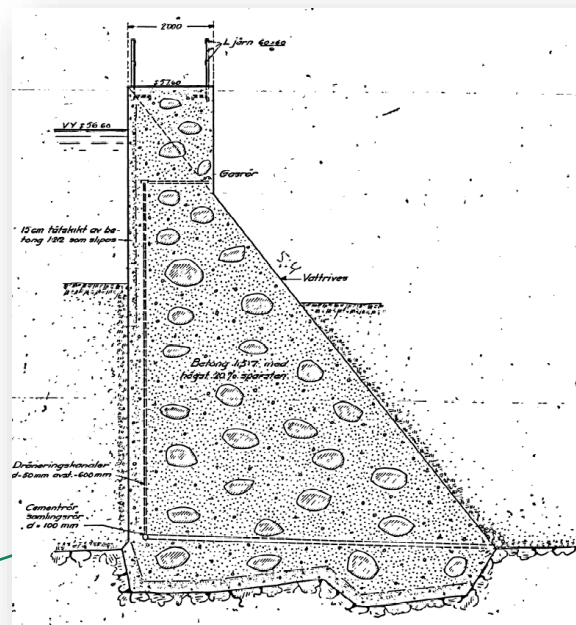
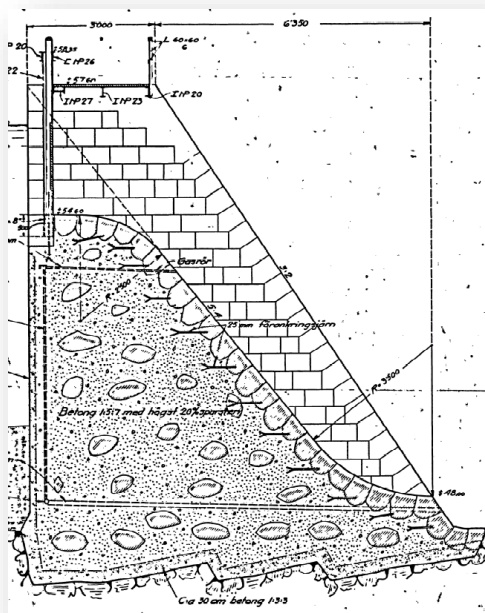
Dags för RFC i Sverige?



Presentation SwedCOLD temadag om dammar för nya förutsättningar

Dammar för nya förutsättningar?

- Äldre dammar och dammdelar kommer behöva ersättas
- Klimatavtrycket och energiåtgång behöver reduceras

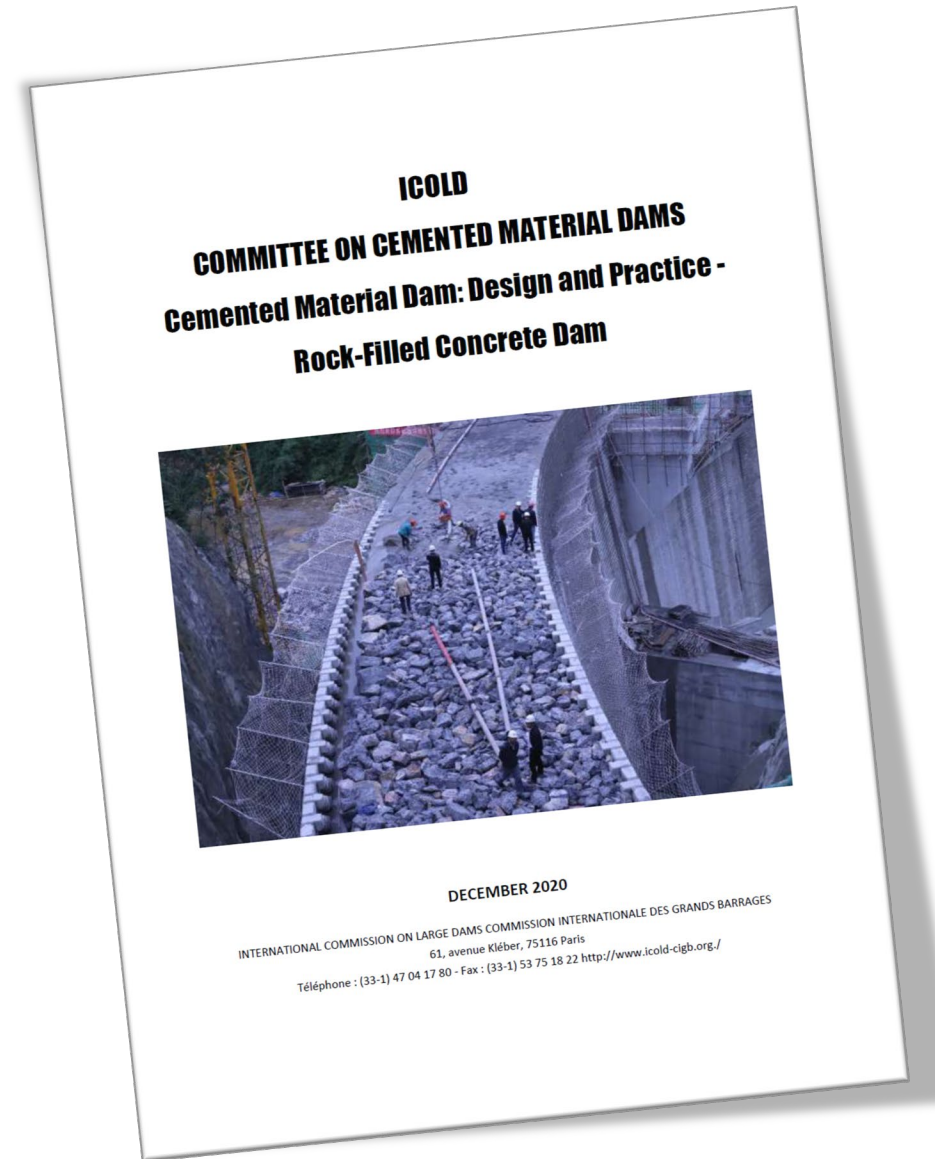


Dammar för nya förutsättningar

=

Nya typer av dammar?

RCC, CFRD/AFRD, ACRD, men vadmera??



Dammar för nya förutsättningar = Nya typer av dammar?



Short Course No.4 Rock-Filled Concrete Dam

The rock-filled concrete is a new mass concrete technology, which uses high performance self-compacting concrete to fully fill the voids among pre-placed large rocks. This technology significantly:

- reduces the amount of cement consumption,
- lowers the hydration heat and shrinkage of the concrete,
- eliminates the need for cooling pipes and vibrating or roller compacting, thus simplifies the construction process.

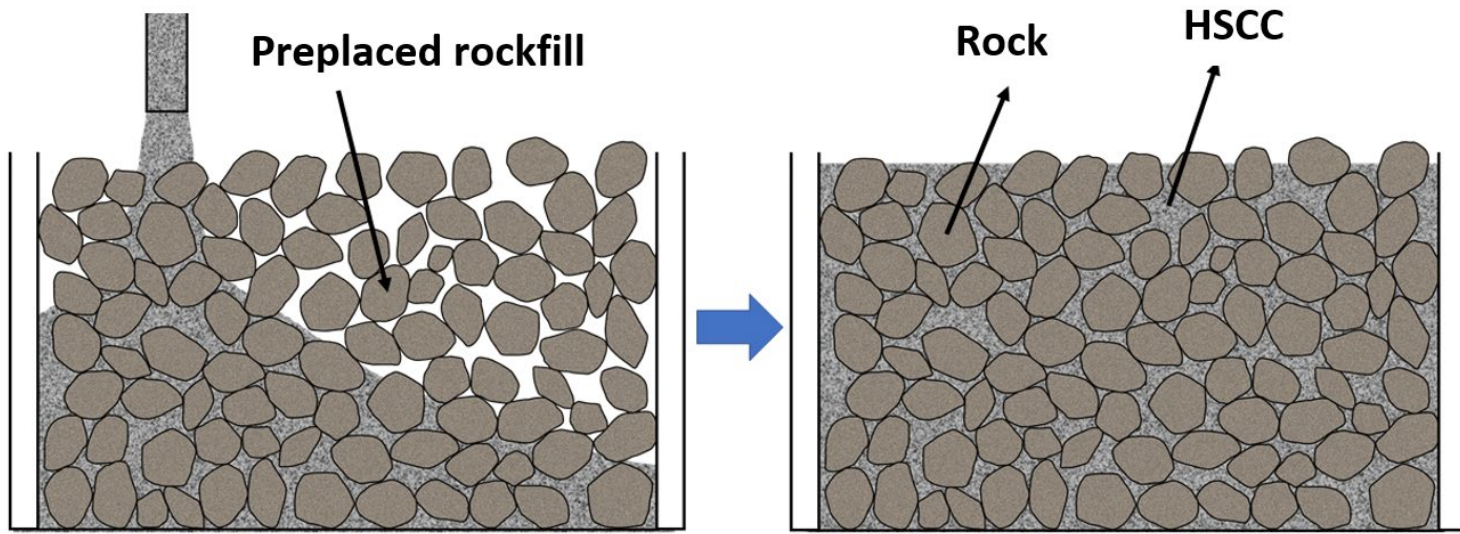
To date, China has constructed more than **160 rock-filled concrete dams**. The comprehensive unit cost is more than **10%-30% lower** than that of traditional concrete dams.

Course Highlights:

1. An exhilarating one-hour professional lecture on rock-filled concrete dams, explained in simple terms to quickly grasp the core technology;
2. The course is personally taught by **Professor Jin Feng** from **Tsinghua University**, one of the **inventors of the technology**;
3. A field trip to the construction site of the **Yanjia River Reservoir in Guang'an City**, where you can get up close and personal to observe the pouring process of a rock-filled concrete dam under construction, experiencing the allure of innovative technology.

Don't Miss Out! Limited attendees available!

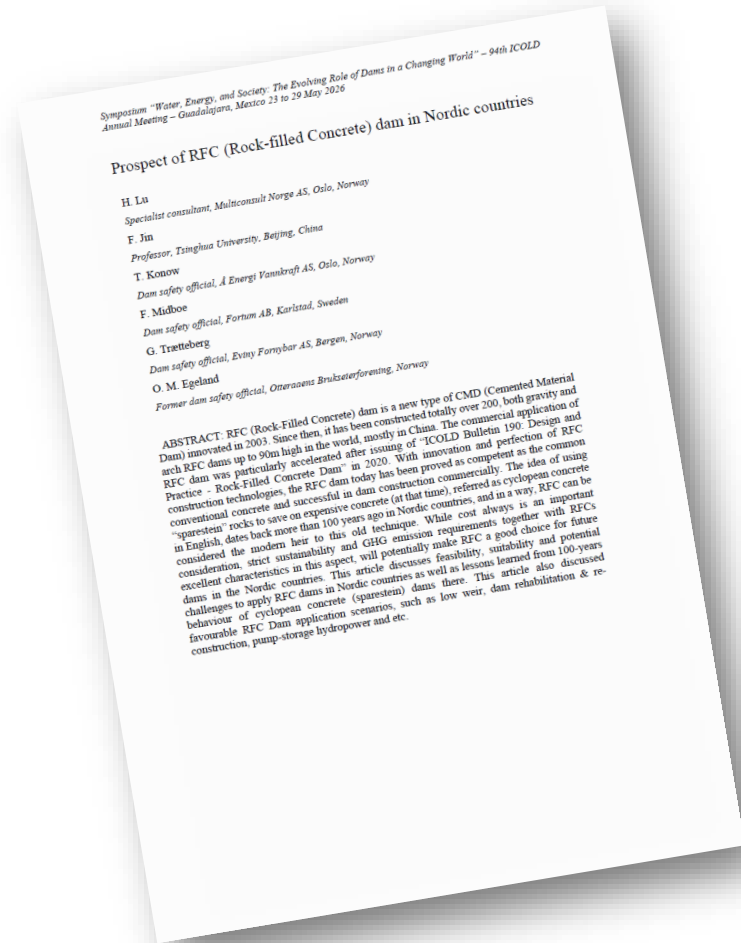
More information about the 28th ICOLD CONGRESS & 93rd ANNUAL MEETING on:
<https://www.icold-cigb2025.com/>

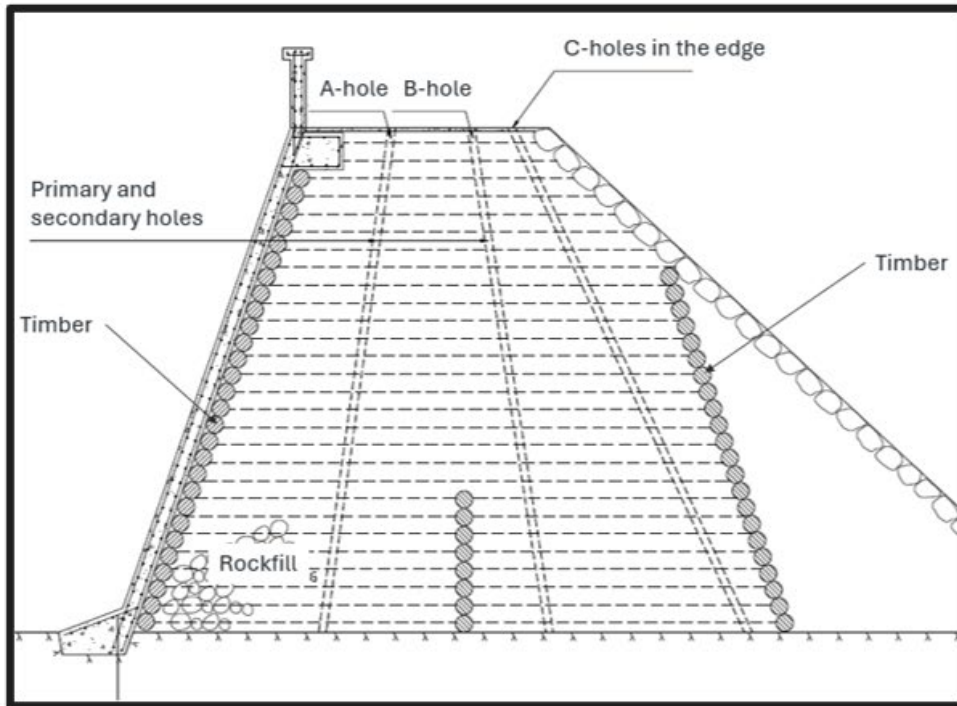


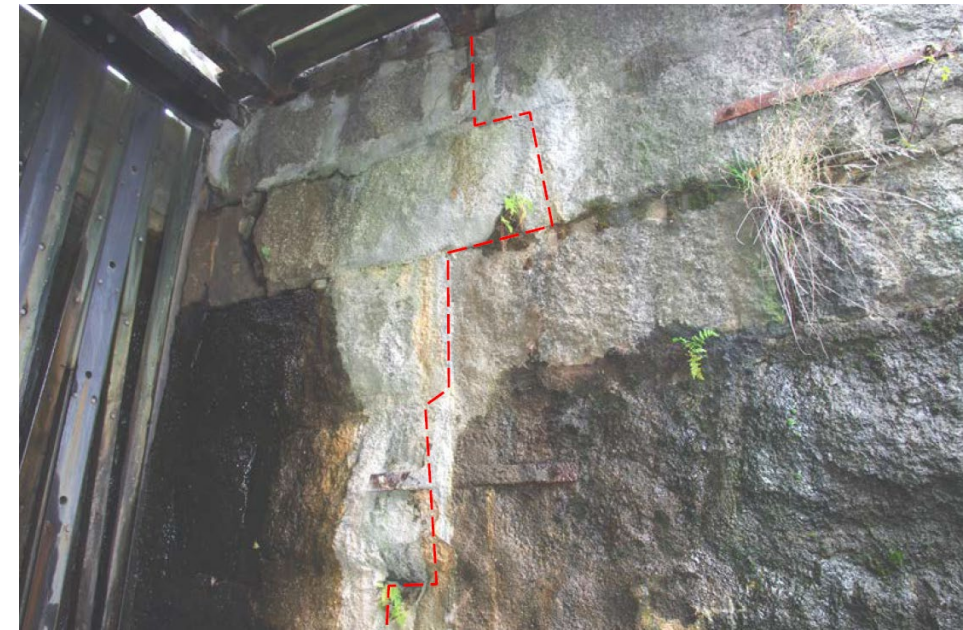




Paper: “Prospect of RFC (Rock-filled Concrete) dam in Nordic countries”







Examensarbete av Dan Lundell 2009

Mycket har hänt sedan dess – ca 200 RFC-dammar över 15 m har byggts – de flesta i Kina

bla. frostbeständighet är mycket mera utrett

är det dags för RFC i Sverige?

Torde vara lämpligt att starta med mindre gravitationsdammar, igengjutningar? (Sektorgravar?)

Hinder? Eurocodes? RIDAS?

CHALMERS



Rock-Filled Concrete in Hydraulic Structures

Master's Thesis in the Geo and Water Engineering Program

DAN LUNDELL

Department of Civil and Environmental Engineering
Division of Water Environment Technology
Engineering Hydraulics
CHALMERS UNIVERSITY OF TECHNOLOGY
Göteborg, Sweden 2009
Master's Thesis 2009:63

Vem blir först med RFC i Norden?

Tack tack...

