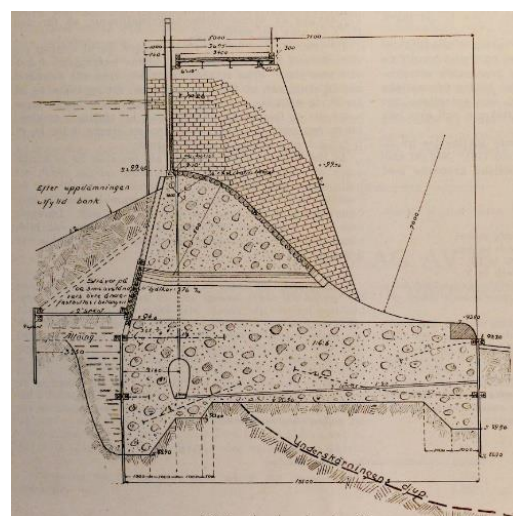




Technical Excursion 3: Håverud - Dals Långed

Welcome to the technical excursion visiting the historical Dalslands Canal. We will be traveling by boat from Håverud with its more than 150 year old and still operational aqueduct going upstream through the locks at Buterud and Mustadfors to Långed. Mustadfors is the birthplace of the Mustad Group, the world's biggest manufacturer of horseshoe nails. At Långed we are greeted by Vattenfall, Sweden's largest hydropower producer, that will guide us at the small but interesting hydropower dam Långed. The dams and evolving use of hydropower at this site has changed through history, resulting in the current dam, spillway, fish ladder and powerhouse. We will hear the interesting story of how the then almost new spillway was close to failing after being undermined from backwater erosion after its first year of operation in 1909, and the severe floods that affected river Upperudsälven in 2000.



Please make sure to be on time on the bus/boat before departure as the schedule is tight!

Time schedule for the day

- 08:00 Leaving Gothenburg with bus outside the venue
- 10.30 Arriving in Håverud, coffee on the go while Andrea tells us about Håverud and the aqueduct
- 11.30 Boat departing, lunch on the boat where we will also hear more about the canal and the industries that evolved around it.
- 14.30 Arriving in Långed, Vattenfall will guide us around the dams and provide us with some refreshments
- 16.00 Departure by bus from Långed
- 18.15 Arrival back at the conference venue in Gothenburg

- Coordinating from SwedCOLD and the conference will be Finn Midbøe, +46 (0)70 – 282 80 31

The bus will depart from Gothia Towers Hotel at this address: <https://goo.gl/maps/hpzYXPUXJS9PUHmt9>