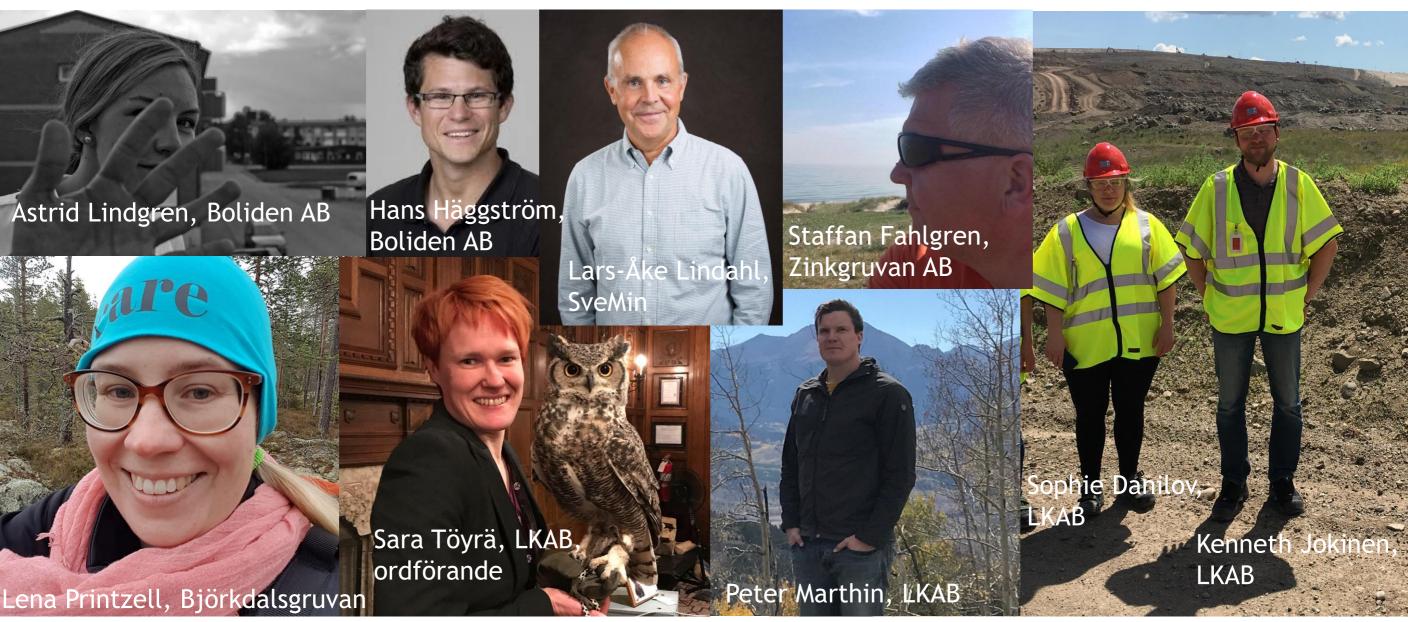


Hur ser det ut med våra svenska gruvdammar?

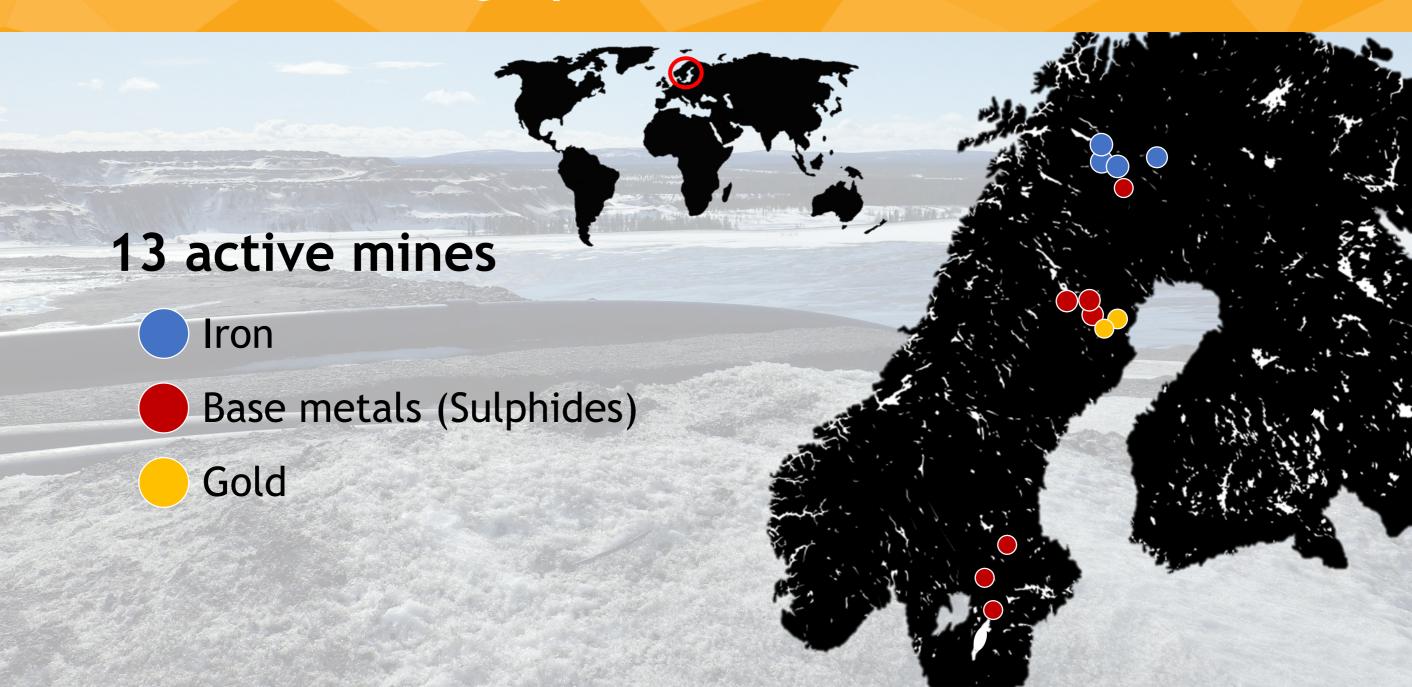
Sara Töyrä, Arbetsgrupp Dammsäkerhet



AGDA - ArbetsGrupp DAmmsäkerhet



Current Mining Operations in Sweden





SveMin

Development of Management Practice in Sweden

1960-1970

Peak of hydropower Several tailings dams 2000

Shift to drained upstream construction



11 TMFs in operation

single/end pipe discharge point from natural ground



Drained Upstream Construction

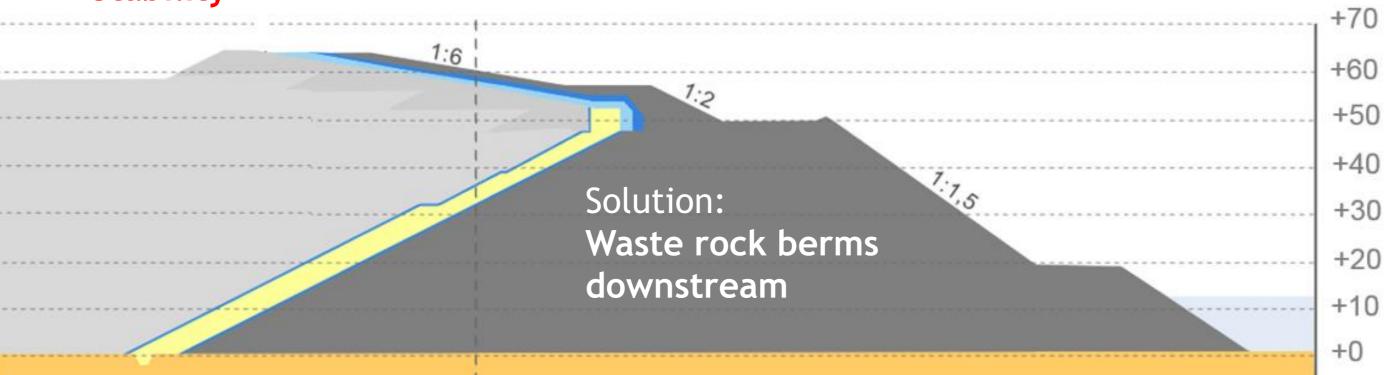
Contributing factors to the new design

- Increase in the rate of rise
- Footprint constraints
- Volumes/costs
- Limitations in using natural borrow material

Drained Upstream Construction

Challenge:

Stability



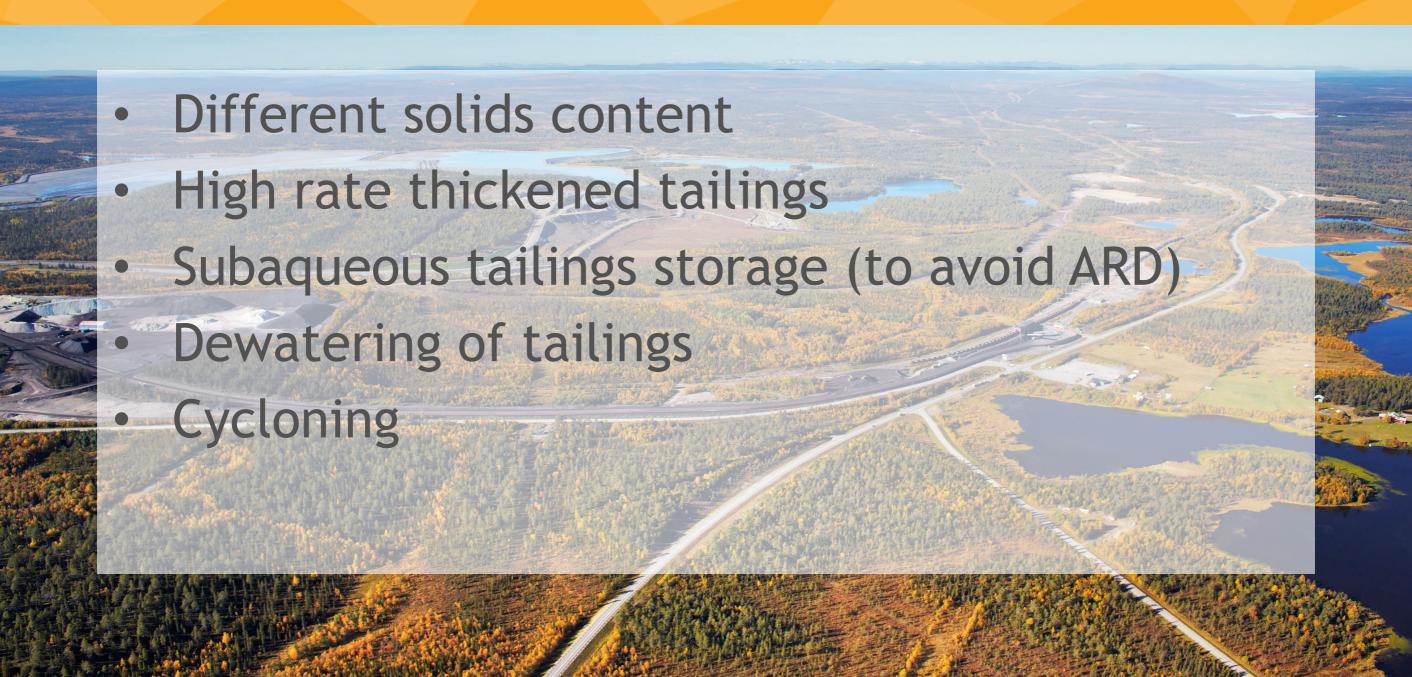
Drained Upstream Construction



Water



Many things have been tried over the years



Deposition Methods in Sweden used today

Spigotting5 sites

Cycloning1 site

High rate thickeners 2 sites

Subaqueously 1 site

Six out of nine TMFs in Sweden uses tailings as a structural part of the dams.





Save the date!

