



# Bolidens planned implementation process for Global Tailings Standard

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Tailings dam safety

Svemin's Environmental Conference 2020

**BOLIDEN**

# Content

- Short introduction – Bolidens tailings management
- Implementation process plan – 4 Phases
- Done so far – started with the initial assessment
- Planned further work – the GTS-project
- Question

# Short introduction

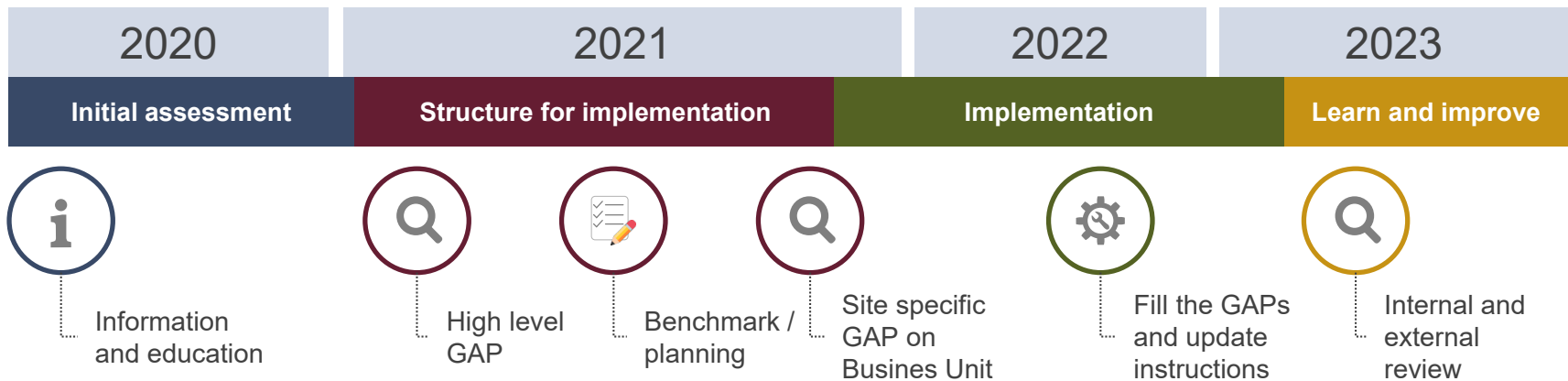
- Who I am?
- Tailings management at Boliden Mines
  - Environmental policy
  - Tailings management system (TSM) a integrated part of Boliden management system (BMS)
  - Internal Dam safety guideline
- Total amount of extractive waste produced last three year

| Waste from extractive industries (metric tons) | 2017       | 2018       | 2019       |
|--|------------|------------|------------|
| Reuse (backfilling)                            |            |            |            |
| Waste rock                                     | 5,417,000  | 8,892,000  | 8,887,000  |
| Tailings                                       | 2,729,000  | 3,182,000  | 3,174,000  |
| Waste rock (dumps)                             | 35,485,000 | 49,619,000 | 50,180,000 |
| Sold waste rock                                | 404,000    | 5,400      | 5,900      |
| Tailings management facility                   | 44,191,000 | 48,844,000 | 51,677,000 |

- Tailings storage facilities (TSF)
  - Kevitsa
  - Aitik
  - Boliden Area
  - Garpenberg
  - Kylylahti
  - Tara



# Implementation process plan – 4 Phases



# Done so far – started with the initial assessment

## Initial assessment



### Information and education

- ✓ Specific internal meetings
- ✓ Meeting with Dam Safety Responsible DSR
- ✓ Internal annual Tailings management conference
- ✓ A workshop

## Structure for implementation



### High level GAP

- ✓ Performed by the mine staff and informed the Business Units
- ✓ Presented to all the Dam Safety Responsible

### Results from the high level GAP-analysis on principles level

- ✓ In line or minor GAP
- ✓ GAP that are considered to demand a large workload

# Planned further work – the GTS-project

## Structure for implementation



- Set up a project team
- Parallel tracks/topics
- Use the results from the GAP-analysis
- Benchmark and learning

## Implementation



- The actual implementation to fill the GAP:s to be inline with GTS
- Update the Tailings Management System in Bolidens Management System
- Update the OMS-manual

## Learn and improve



- Continuous improvements
- Internal and external review

# Questions?

- Thanks!