



SEMINAR

# Creating value through closure:

Risk Informed Closure Design:  
Key to maintaining license to operate.

SveMin

LULEÅ  
UNIVERSITY  
OF TECHNOLOGY



**A collaboration between Luleå University of Technology, SveMin and the Swedish mining industry invites you to a seminar to gain knowledge from and open discussions with local and international experts on the issues and opportunities surrounding mine closure.**

**Seminar themes include culture mining history, the Sami perspective, landform design and case studies. The seminar is the 3rd instalment of the series ‘Creating Value Through Closure’, which follows the success of the 2019 instalment.**

### **The seminar.**

There has been progressive thinking, practice and research devoted to mine closure and exploring creative repurposing of mined land aiming to mitigate negative environmental and social legacies. Such landscapes have the potential to not only leave positive environmental legacies but create new business and social opportunities post-mining. If such possibilities / visions are targeted from the beginning and follow through operational and closing stages, correct planning and actions that mitigate risk can be taken from the beginning. If implemented progressively ongoing costs and reduction of environmental impacts can be achieved.

### **What should mine closure look like and how to determine the social and environmental opportunities? Crucial to these questions is risk-based thinking.**

The seminar focuses on the possibilities of creating socially and environmentally beneficial, landscape opportunities where mining operations have previously taken place and intends to shed light on the question of how a risk-based design can be implemented.

International and Swedish presenters are invited to present good examples of “creating value through closure”.

Presentations are complemented by discussions led by a moderator. Language is predominately English.

### **Invited presenters are:**

- Ward Wilson (P. Eng., P.Geol., FCAE, FEIC) - University of Alberta Dept. of Civil & Environmental Engineering, Canada
- Steven Pearce – Mine Environmental Management, UK
- Jussi Reinikainen - Finnish Environment Institute (SYKE), Finland
- Gord McKenna – Landform Design Institute, Canada
- Neeltje Slingerland (PhD, OALA, CSLA, G.I.T.) – Golder Associate, Canada
- Jenny Wik Karlsson – Svenska samers Riksförbund, Sweden
- Seth Muller – Boliden, Sweden
- Matt Baida – VAST, Sweden
- Hanna Lampinen – FinMin, Finland
- Dag Avango - Luleå University of Technology, Sweden

**FOR WHOM:** Dam owners, authorities, stakeholders, consultants, etc.

**WHEN:** October 27, 2021, 1:00 pm - 5:00 pm

**LOCATION:** Webinar hosted on SveMin’s YouTube Channel.

**COST:** SEK 500 Excl VAT. Free for students and authorities (all countries).

# PROGRAM

## SESSION 1

Start	Topic	Speaker
13:00	SEMINAR WELCOME AND SPEAKER INTRO, Emma Härdmark	
13:05	Finnish mining industry, overview on license to operate today and tomorrow	Hanna Lampinen, FinnMin (Finnish Mining Association)
13:15	Emma Härdmark	Questions to Hanna
13:20	SPEAKER INTRO, Emma Härdmark	
13:22	Managing AMD risk using FEMA: Kevitsa case studies.	Steven Pearce, MEM Seth Muller, Boliden
13:42	Emma Härdmark	Questions to Steve and Seth
13:47	BREAK	

## SESSION 2

14:00	SESSION WELCOME AND SPEAKER INTRO, Emma Härdmark	
14:03	Environmental Risk Assessment as a tool for decision making, experiences from other industries.	Jussi Reinikainen, Finnish Environment Institute (SYKE)
14:18	Emma Härdmark	Questions to Jussi
14:23	SPEAKER INTRO, Emma Härdmark	
14:25	Geomorphic Reclamation - the Swedish Story	Matt Baida, VAST
14:32	Emma Härdmark	Questions to Matt
14:37	SPEAKER INTRO, Emma Härdmark	
14:39	Kulturarvsprocesser som resurs för värdeskapande efterbehandling	Dag Avango, LTU
14:50	BREAK	

## SESSION 3

15:00	SESSION WELCOME AND SPEAKER INTRO, Emma Härdmark	
15:03	Geomorphic design as a form of risk management	Neeltje Slingerland, PhD, OALA, CSLA, G.I.T., Golder
15:18	Emma Härdmark	Questions to Neeltje
15:23	SPEAKER INTRO, Emma Härdmark	
15:25	Designing Mixtures of Tailings and Waste Rock for Co-disposal	Ward Wilson, P. Eng., P.Geol., FCAE, FEIC
15:40	Emma Härdmark	Questions to Ward
15:45	BREAK	

## SESSION 4

16:00	SESSION WELCOME AND SPEAKER INTRO, Emma Härdmark	
16:03	Landform design for tailings facilities	Gord Mckenna, PhD, PEng, Pgeol, Geotechnical Engineer, Landform Designer
16:18	Emma Härdmark	Questions to Gord
16:23	SPEAKER INTRO, Emma Härdmark	
16:25	To be decided	Jenny Wik Karlsson SSR (Sveriges Samers Riksförbund)
16:40	Emma Härdmark	Questions to Jenny
16:45	CLOSING REMARKS, Emma Härdmark	
16:50	Avslutning, Emma Härdmark	

# Registration, participation and contacts

## **PARTICIPATION FEE:**

Link to the webinar will be sent out separately to participants.

To participate in the seminars live chat you will need to have a registered YouTube account.

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## **REGISTER:**

Binding application no later than 26/10, 2021

Registration is sent to [sven.knutsson@ltu.se](mailto:sven.knutsson@ltu.se)

## **The registration states:**

Name, organization, billing address, possibly reference.

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## **FURTHER QUESTIONS PLEASE MAIL:**

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