

Waste2Place

Project leader

Frida Holst, VAST

Partners

Umeå University, VAST, RISE, Ecogain, GlobalTrust/SSC, LKAB, Boliden, Talga, Viscaria, MEM, University of Madrid

Project duration

2023-03-01 – 2026-07-14









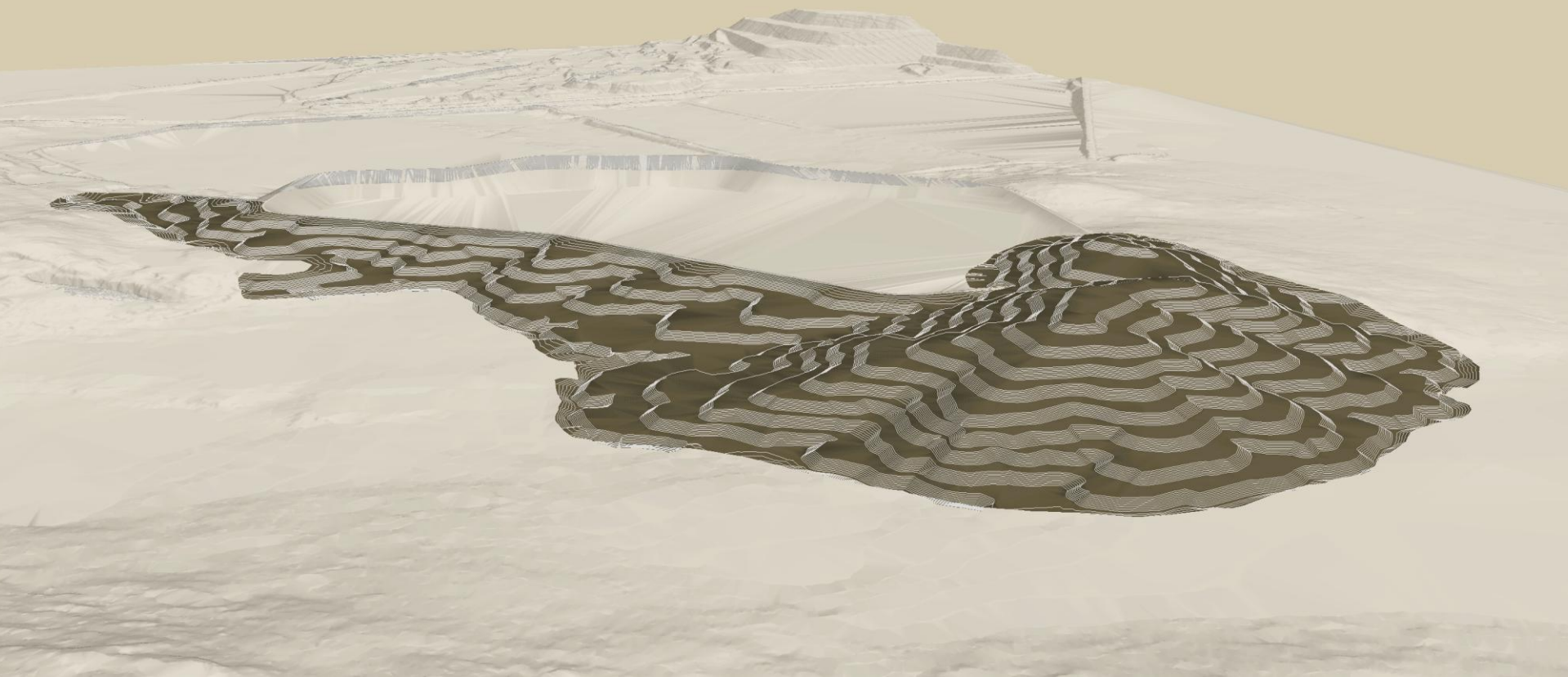
**Create long-term stable landforms
to help deliver mining disturbed
land back to nature and people.**

WP2
Landscape assessment



WP3

Geomorphic Waste Management



WP4
Ecological Restoration



WP5
Landform Monitoring



34

Reference
sites located

4

Prototypes
developed

30

Hectares of new
design made

1

Conventional
comparison site built

8

Hectares of
revegetation testing

2

Monitoring
stations installed

30

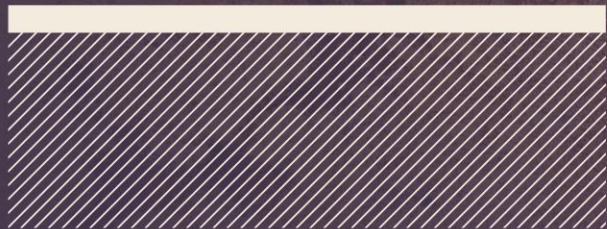
% Cost savings in
cover material





The standard approach in Sweden

UNIFORM LAYER OF SOIL





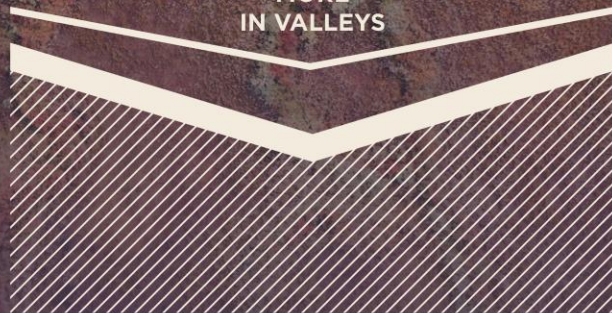
The standard approach in Sweden



The Waste2Place approach

LESS
ON RIDGES

MORE
IN VALLEYS



The background image shows a vast mining landscape. In the distance, a large, dark, conical pile of material, likely coal or ore, rises against a cloudy sky. In the middle ground, a winding road or conveyor system cuts through the landscape, with a small yellow vehicle visible on it. The foreground is filled with a dense forest of tall, thin trees, some with green needles and others bare, suggesting a transition zone between the forest and the mining site.

30%

**Resource efficiency
and cost savings
for cover material**

“

The northern
Swedish landscape
is completely unique -
shaped by ice and time.”





GEOMORPHIC RECLAMATION | Hydraulic Pit Alaska | 8 years since construction

IMAGE SOURCE: VAST



**The impacts of mines
does not have to last forever.**

THANKS



Mining innovation for a sustainable future