

Metso:Outotec

Mining tailings – To the most ecological and economical new product material

For Kiertokulku Seminar materials made by:

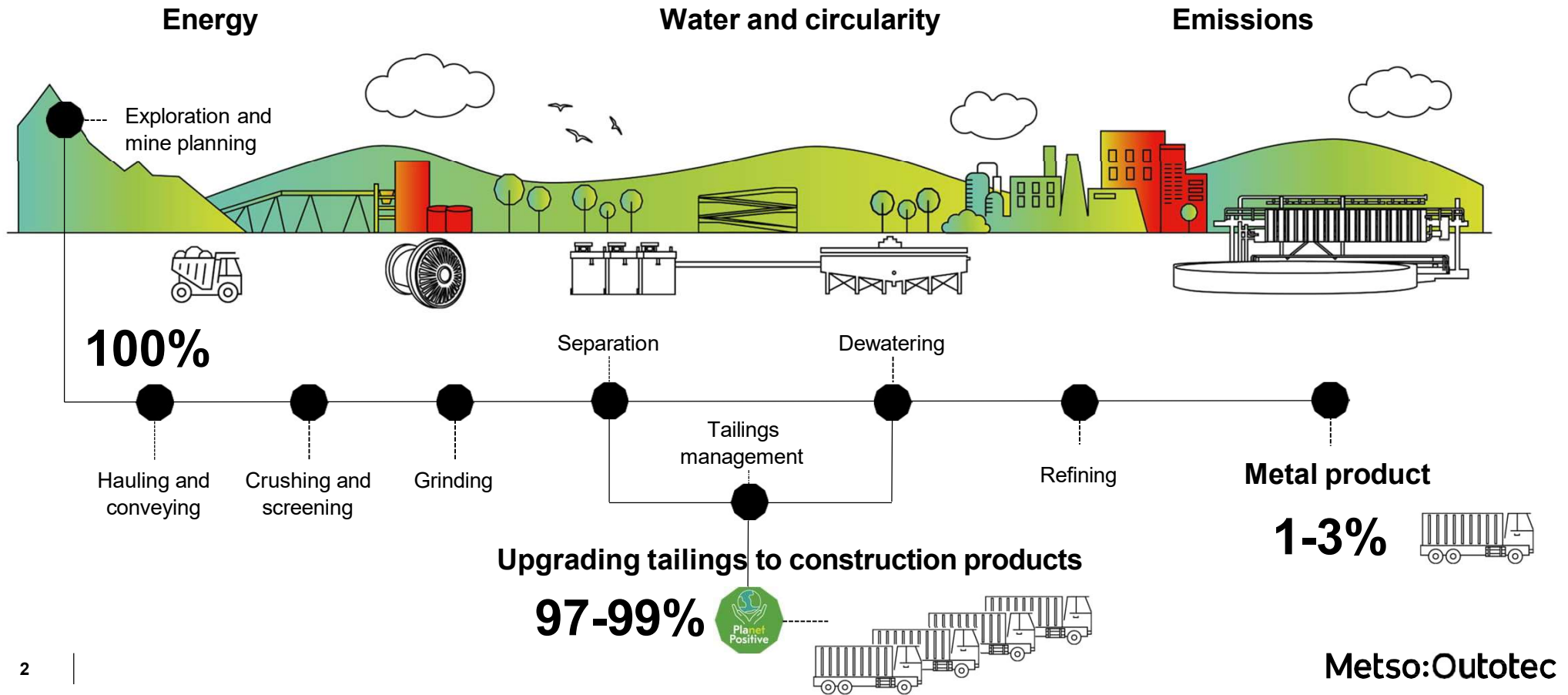
Tomi Ravattinen

Janne Kauppi

Matti Luukkonen



From “Ore to metals” to “All minerals value chain”



As resource

Re-cycle

Re-purpose

Joint R&D
needed

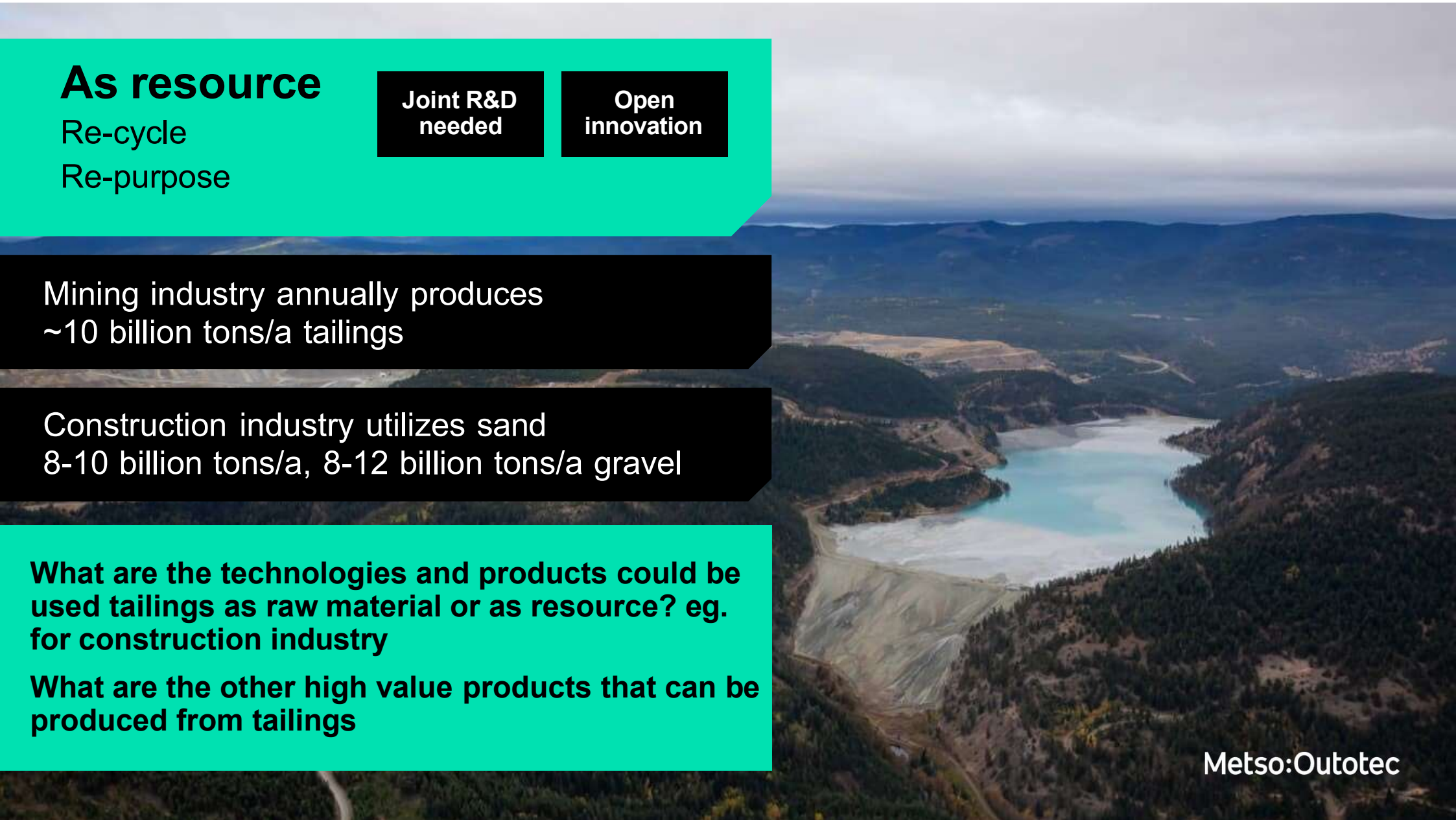
Open
innovation

Mining industry annually produces
~10 billion tons/a tailings

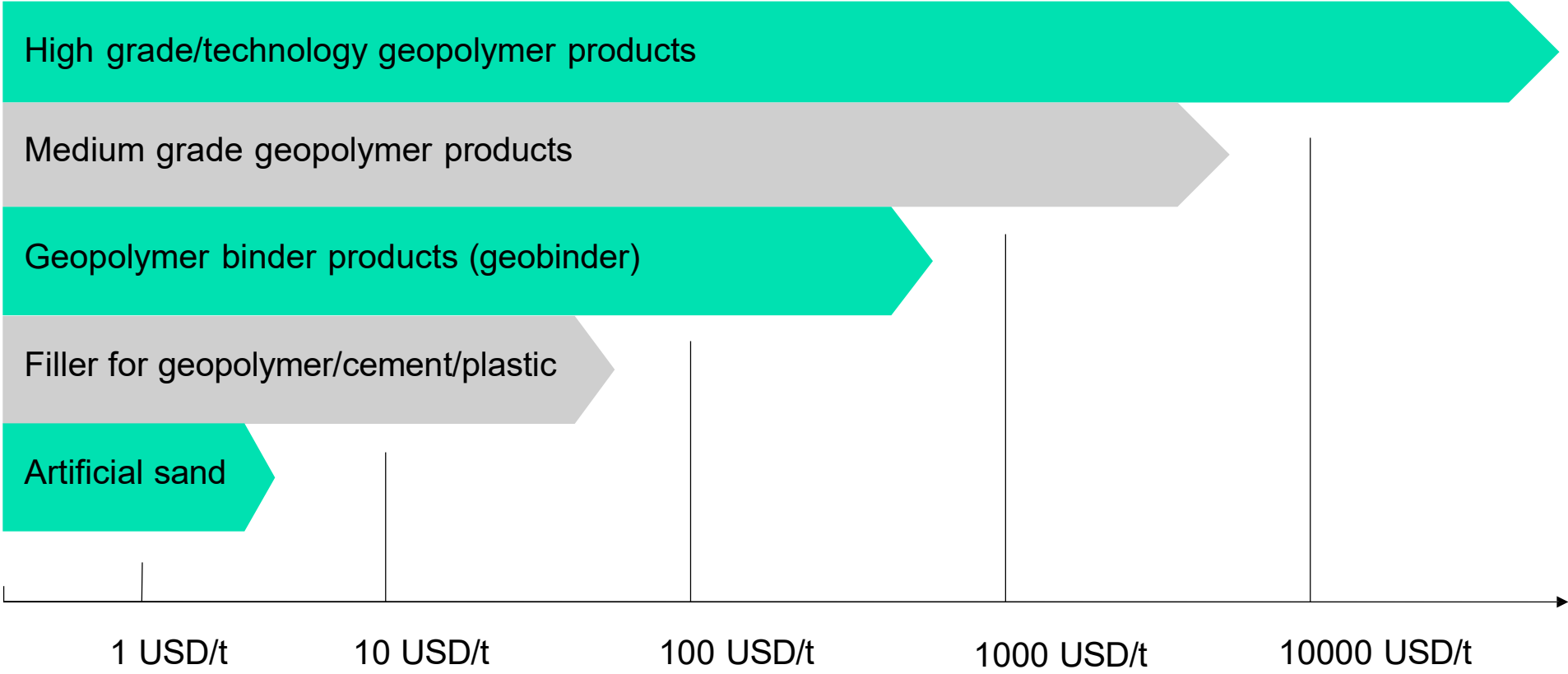
Construction industry utilizes sand
8-10 billion tons/a, 8-12 billion tons/a gravel

What are the technologies and products could be
used tailings as raw material or as resource? eg.
for construction industry

What are the other high value products that can be
produced from tailings



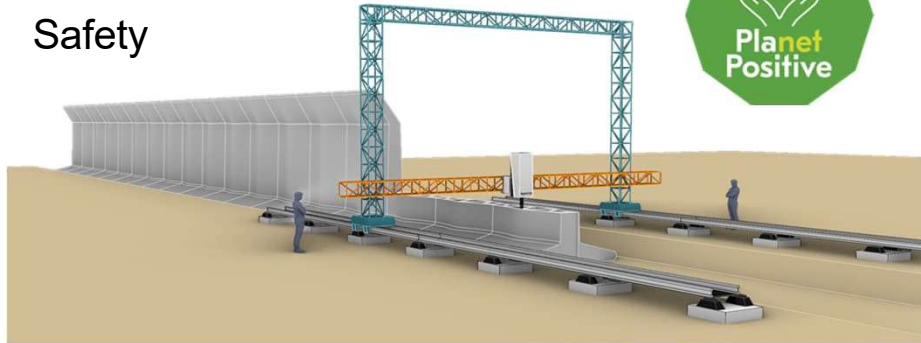
Value assessment of possible products



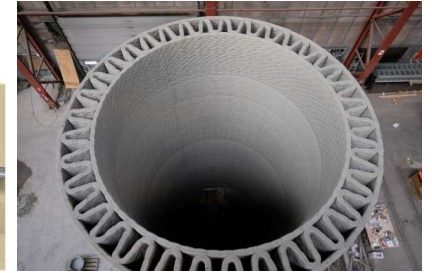
Examples



Safety



Windmill foundation



Tanks



Metso:Outotec

Partner for positive change



mogroup.com

RESTRICTED

