



SisAl Pilot

Innovative pilot for Silicon production with low environmental impact using secondary Aluminium and silicon raw materials

CIRCULAR VALUE CHAINS: DEMANDING, BUT NECESSARY!

Background:

- **EU dependency on Russia/China/etc** for meeting green deal shift.
- SisAl process has been successfully demonstrated: **Aluminium side streams are used instead of carbon to produce silicon from quartz (silicon oxide), with no direct process emissions of CO₂.**
- Need for reduction of harmful emissions: NO_x, SO_x, PAH and dust.

The necessary changes:

- Maximize the value of our raw materials by closing the material loops.
- Changing the relationship between different industries on a deeper level = trust/openness/share of data = **legislation changes.**
- Radical changes in societal values, norms and behaviour **legislation changes.**
- Openness towards consumers to allow/**promote informed choices.**

What can be your role in this restructuring?

PROJECT LEADER

 Gabriella Tranell
 gabriella.tranell@ntnu.no

PROJECT COORDINATOR

 Maria Wallin
 maria.wallin@ntnu.no



 #sisal-pilot-project

 @SisalPilot



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 869268



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 869268



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 869268