

### P21 Circular Economy

Prosinkonferansen, 11.aug 2020

#### Circular Economy – more than a buzz word?



The Doughnut of social and planetary boundaries (2017)







#### Did you know...?





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N@AH

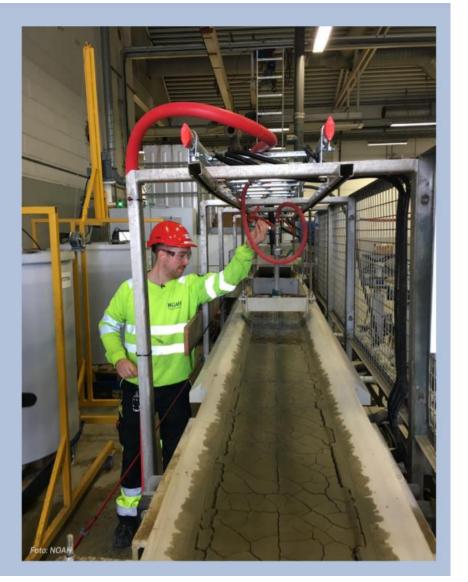
HVEM

#### Saltgjenvinning fra uorganisk avfall

SLUTTRAPPORT

BEDRIFTER

Saltgjenvinning kan utgjøre så mye som 80.000 tonn råvarer til industrien årlig. NOAH har innledet god dialog med industriaktører på Herøya som i dag bruker salter som industrielt råstoff. NOAH har siden 2016 arbeidet med å utvikle en prosessløsning for gjenvinning av salter fra uorganisk farlig avfall. Prosjektet er støttet av Innovasjon Norge med opptil 10 MNOK. Planen er å etablere et pilotanlegg i 2020 og gjennomføre tester i 2021. Målet er å verifisere at rene kloridsalter kan produseres og benyttes som råvarer i norsk industri.

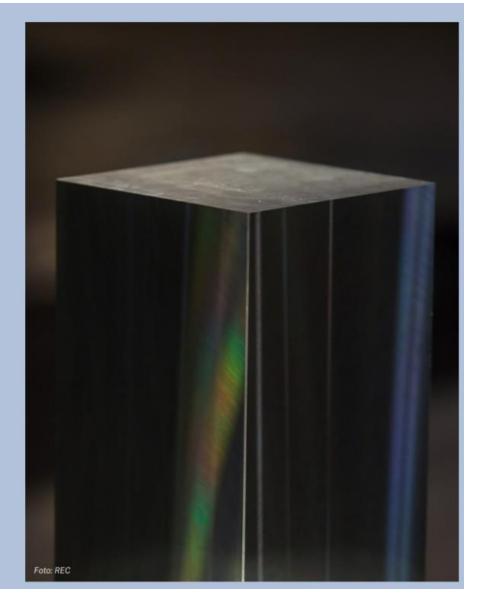


NOAH

#### Did you know...?







### Strongly supporting selected actions already proposed by the Federation of Norwegian Industries



# Standardized Product Environmental Footprint methodology

- Development of common methods to measure lifecycle environmental footprints of products and organizations
- Enables consumers to chose environmentallyfriendly and resources-efficient products

# Harmonization and simplification of EU regulations

- Norwegian legislation adapted to EU legislation
- Harmonized practical application with other EEA countries
- Ensure sufficient flexibility to strengthen natural competitive advantages

#### **Green Public Procurement**

- Minimum mandatory criteria emphasizing environmental indicators and circularity
- Creating incentives for producers to 'go green'

# CE focus in Norwegian governmental funding agencies

- Investment support to industry-oriented R&D&I
- Financial support for cluster collaboration and industrial symbiosis



## Higher depreciation rates for circular projects

- Good instrument to stimulate activity in the economy
- Accelerating the 'green shift' and the transition to a low-emission society

## Support from governmental funding agencies to reduce hazardous waste

- Amounts of hazardous waste exceed amounts of ordinary waste, and is challenging and costly to recycle
- Long-term R&D and large investments might be needed

# Increased knowledge and mapping of material systems

- Information about chemical composition of material flows needed to utilize the resources effectively
- Infrastructure and network programs to promote circular solutions

#### **Radical innovations**

- System innovations (disruptions) to create more value with less resources in the entire value-chain: New principles, new knowledge, new practise
- Collaboration across industries and sectors
- Employee-driven innovation and just transitions

### Norwegian process industry as an integrated part of a circular value chain



