

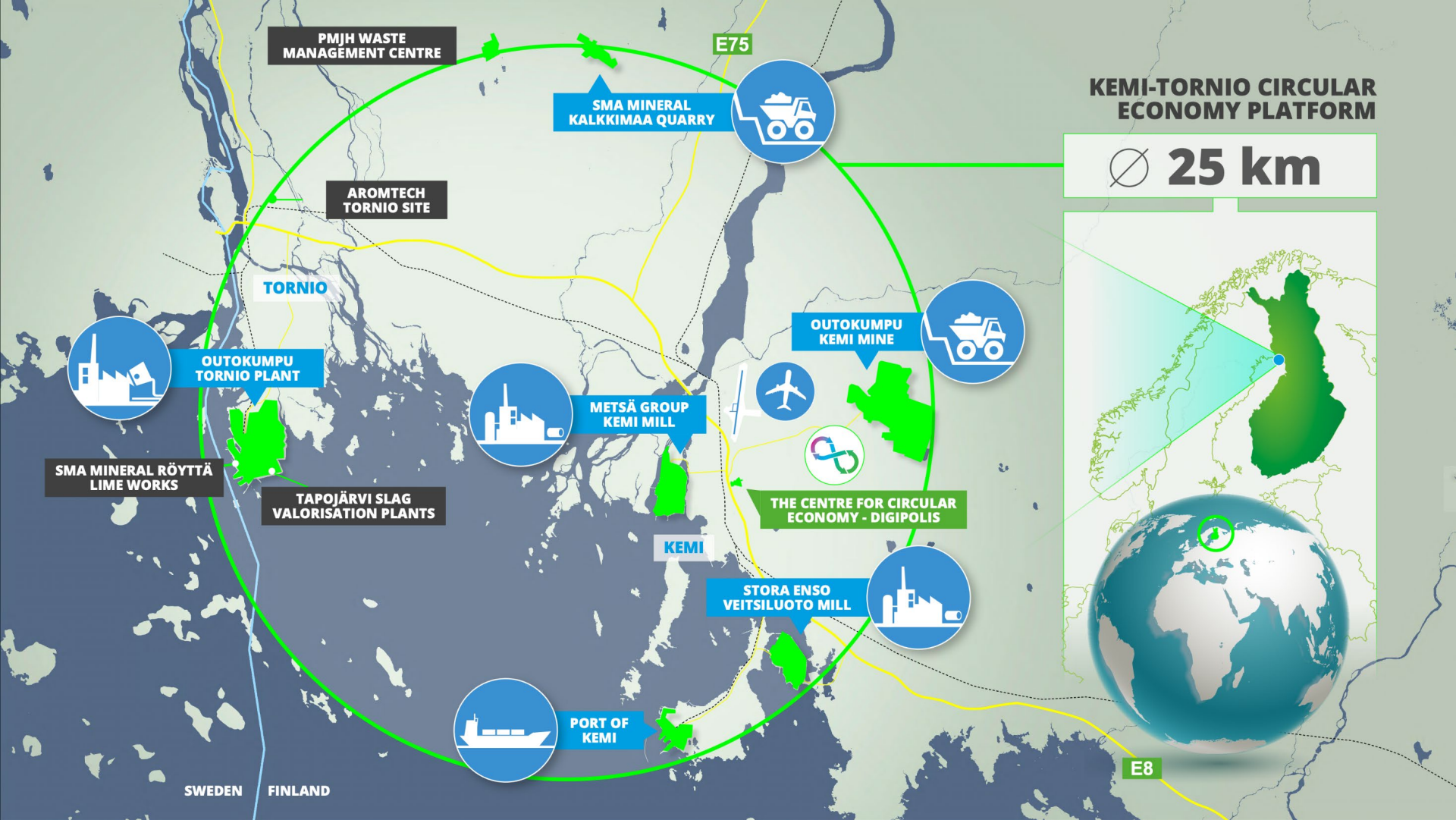
MODERN CLUSTER OF ARCTIC INDUSTRY

Sustainable utilisation of
Arctic natural resources



Arctic Industry and Circular Economy, Digipolis – Clusters creating innovation platform

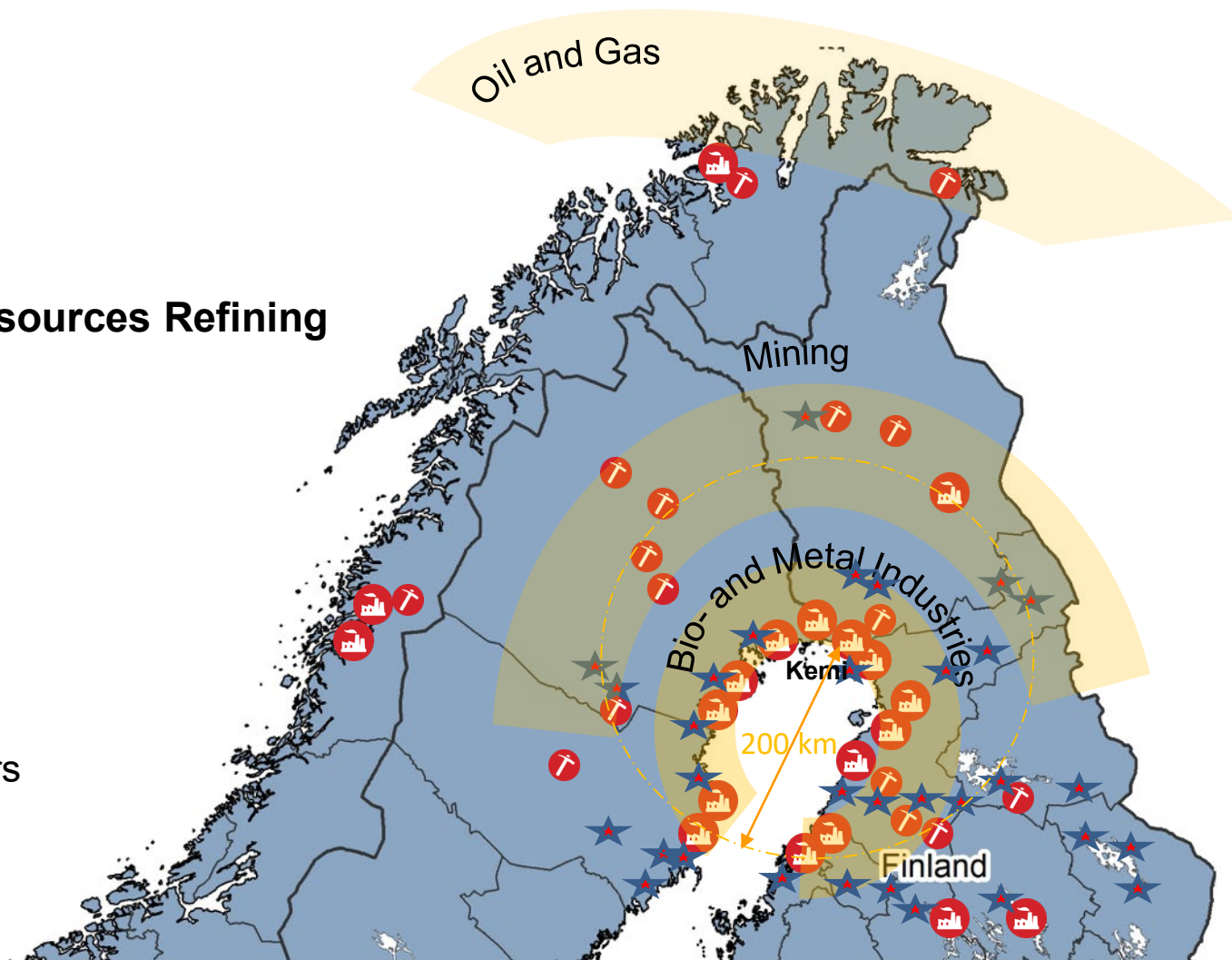
Kari Poikela, Cluster Manager
Circular Economy Centre & Digipolis
CE Conference, Kemi 11.2.2020

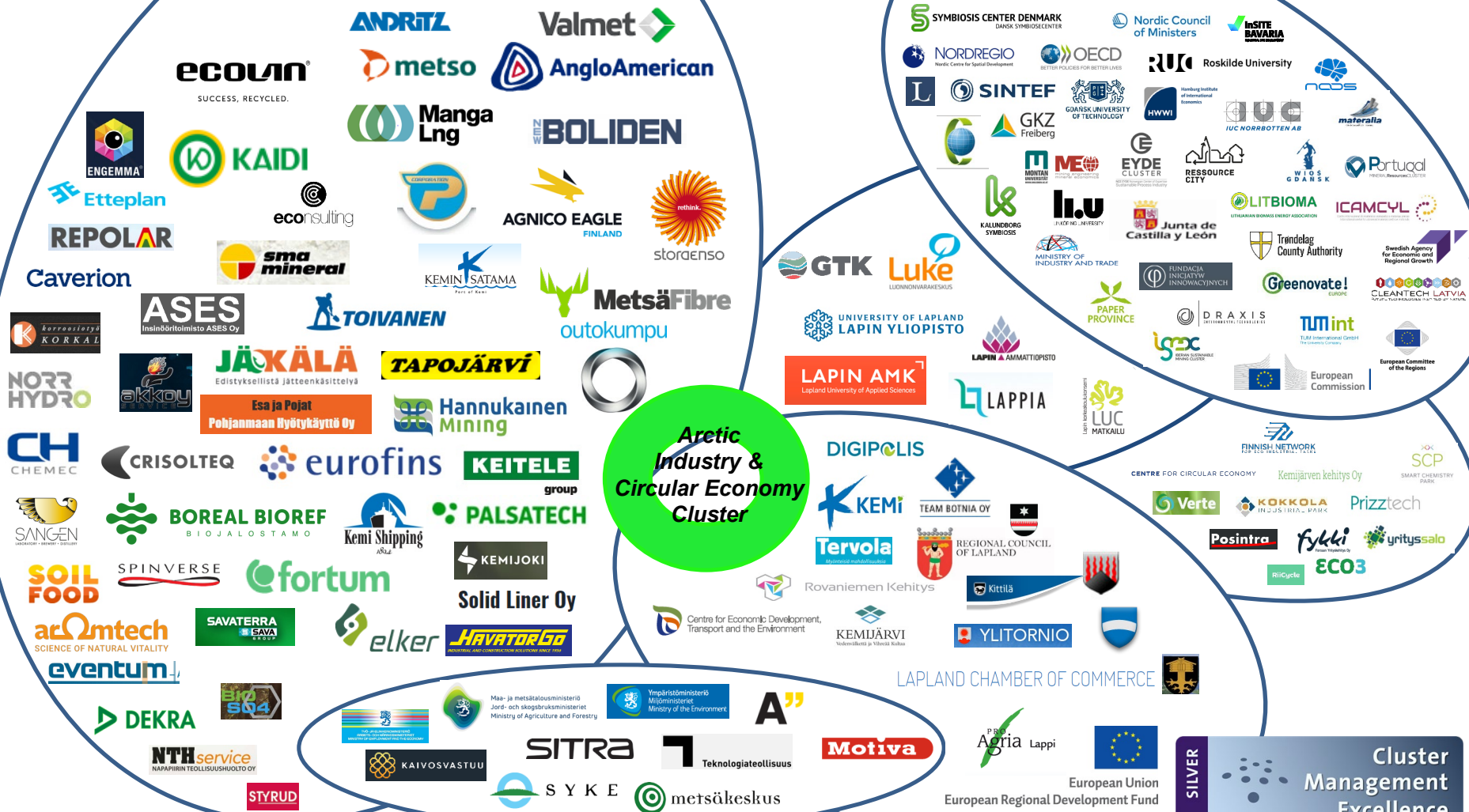


Nordic Industries

Story of Natural Resources Refining

- Global Markets
- Good Connections
- Arctic Solutions
- Cleantech Solutions
- 5 Bio Refineries
- 32 Sawmills
- 16 Mines
- 5 Metal Refineries
- 2 Aluminium Smelters
- 1 LNG Refinery
- 2 Chemical Plants



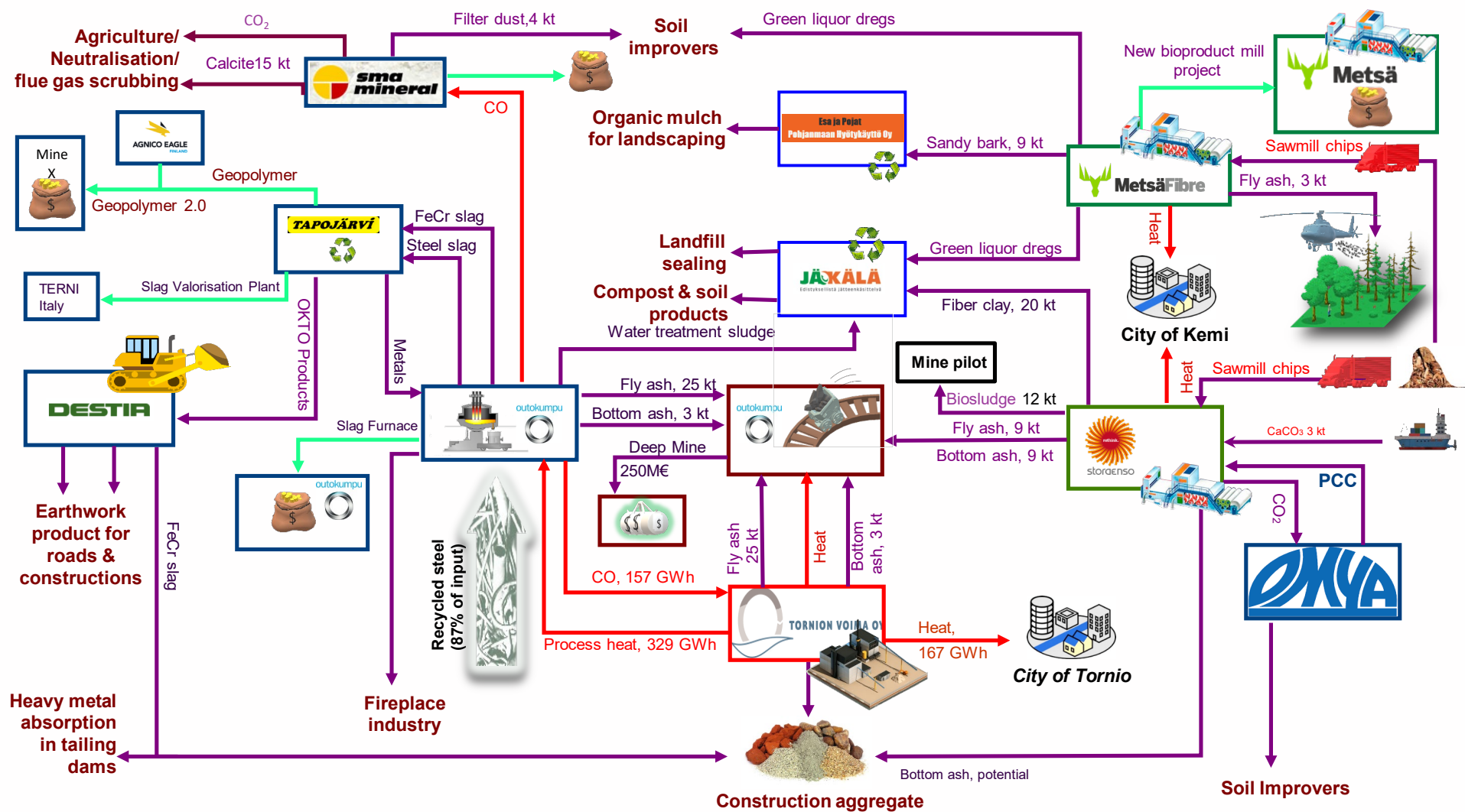


Sustainable exploitation of arctic natural resources

SILVER

Cluster Management Excellence

DEDICATED TO CLUSTER EXCELLENCE



Potential and Ongoing Industrial Investments in Kemi-Tornio Region

outokumpu



Outokumpu Stainless

- XXX M€
- Slag furnace
- Status: Planning



LNG Manga

- 100 M€
- LNG Terminal
- Status: Done



Ikea Wind Farm

- 63 M€
- 13 Wind Turbines
- Status: Done



outokumpu



Outokumpu Kemi Mine

- 250 M€
- Enlargement -1000 m
- Status: Ongoing



MetsäFibre

Metsä Group Biorefinery

- 1500 M€
- New Biorefinery
- Or
- 350 M€
- Pulp Mill Renewing
- Status: Planning



KAIDI

Kaidi Biorefinery

- 900 M€
- New Biorefinery
- Status: Planning

CENTRE FOR CIRCULAR ECONOMY

Thank You!

Please visit: www.teollinenkiertotalous.fi/en/home.html

DIGIPOLIS



LAPIN AMK
Lapland University of Applied Sciences