# Luke-KCL Pilot Demo Day

October 8th, 2026, Lohja

Anu Kaukovirta

Luke



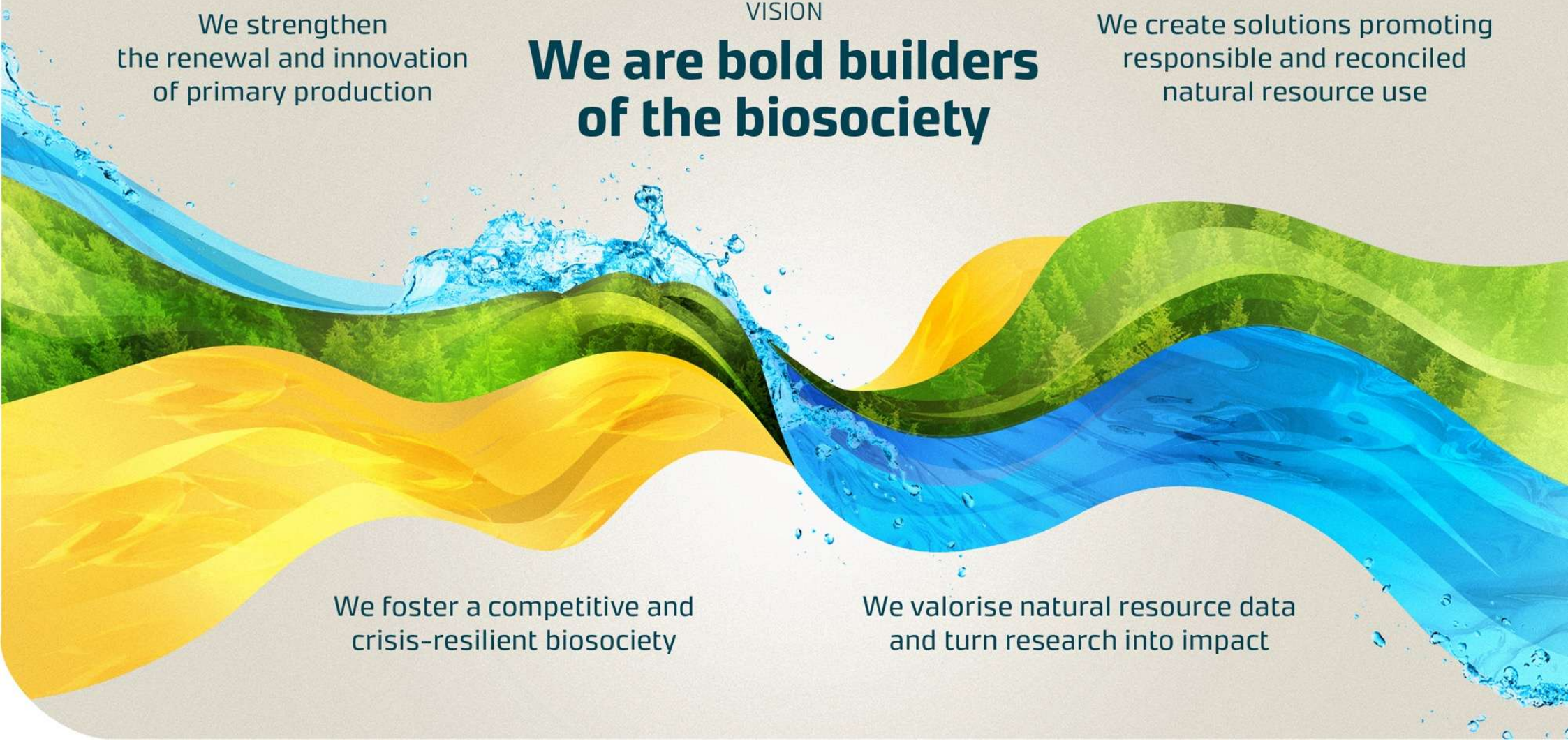
MISSION **A sustainable future and well-being from renewable natural resources through ambitious research and knowledge**

We strengthen
the renewal and innovation
of primary production

VISION

# We are bold builders of the biosociety

We create solutions promoting
responsible and reconciled
natural resource use



We foster a competitive and
crisis-resilient biosociety

We valorise natural resource data
and turn research into impact

# Changing Operating Environment

## Economy

- Global economic transition
- Technological transformation
- EU's economic growth challenge

## Society

- Shifting world order
- Comprehensive Security
- Evolving values and attitudes




## Environment

- Competition for natural resources
- Climate change adaptation
- Green transition
- Biodiversity loss

Luke

© Luke

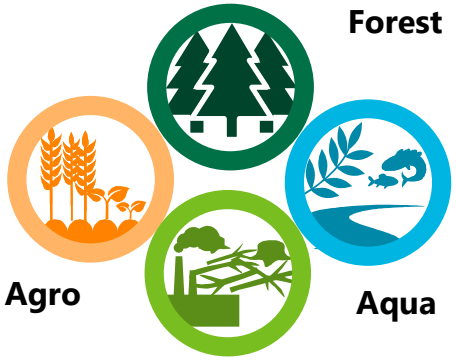
# Renewable natural biomasses form diverse value chains

© Luke

## Biomass supply

- Breeding and cultivation
- Harvesting, storage and logistics
- Biomass properties, quantity and quality

## Biomass




## Processing

## Applications

**Food**
- nutrition, food supplements
- thickeners, sweeteners, preservatives

**Cosmetics**
- emulsions
- waxes

**Textile, packaging & coating**
- Nanoparticles
- Biocolors, biowaxes

**Waste water treatment**

**Plant health**

**Animal health**

**Pharmaceuticals**

**Construction materials**
- glues, adhesives

Luke


Have a fruitful Pilot Demo Day!
© Luke
Luke