



Solid biofuels | Carbon credits | Soil restoration

Rebalancing the carbon cycle through the production of biofuels and carbon credits from C4 grass

Overview

About Jord

Founded in

2017

Headquarters

Sweden

Sites

2

Hectares

570

Product

Fuel pellets

Annual production per 1000 hectare

≈ 40,000 t/a

Carbon avoided per 1000 hectare.

≈ 50,000 t/a

Our mission

**Jord's mission is to restore
the biosphere while
delivering renewable
product**

Harnessing nature to tackle climate challenges

Addressing three challenges at once



Dependency on fossil fuels



Increasing levels of CO₂ in the atmosphere



Degraded land unfit for food production

The solution

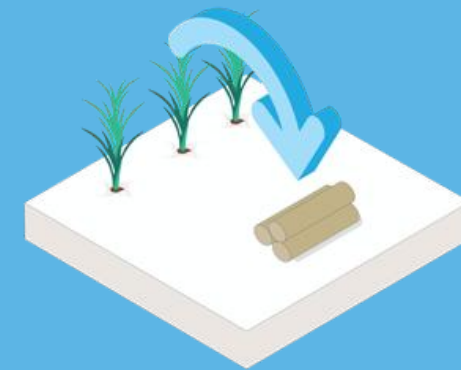
Our holistic approach



① Establishment of plot



② CO₂ sequestration



③ Pelletization



④ Fuel switch



⑤ Carbon credits



About the markets

- Voluntary vs. Compliance markets: Key differences
- Voluntary: Driven by corporate sustainability goals
- Compliance: Governed by legal caps (e.g., EU ETS, California Cap-and-Trade)



Avoidance and removal

Carbon credits

Bioenergy's role in the carbon market

- Multi-disciplinary
- Circular focus
- Taking a holistic approach

Fuel switch



Mechanism: Avoidance
Pathway: Fuel switch



Soil sequestration



Mechanism: Removal
Pathway: Soil carbon sequestration



Biochar



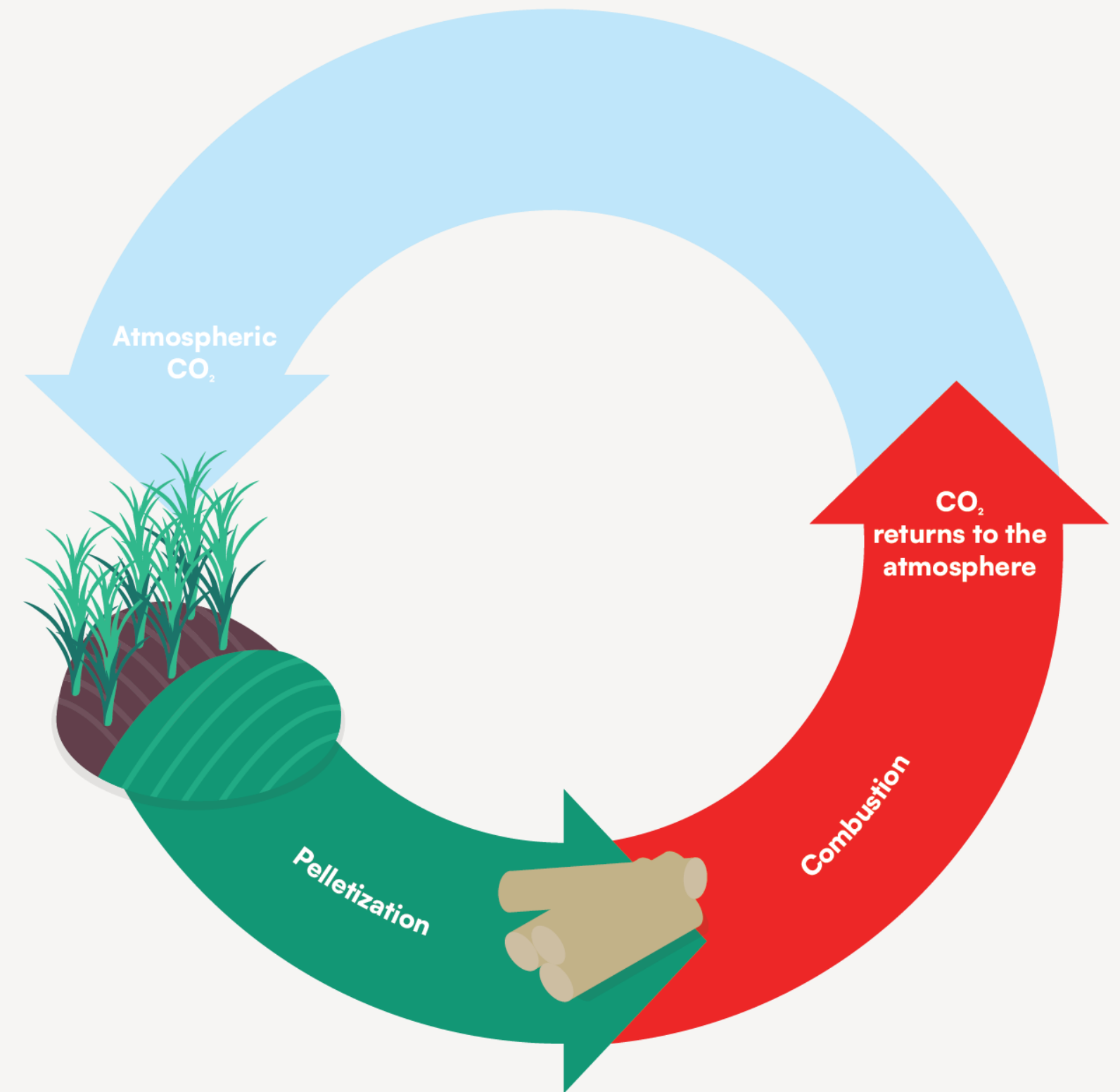
Mechanism: Removal
Pathway: Biochar



The opportunity

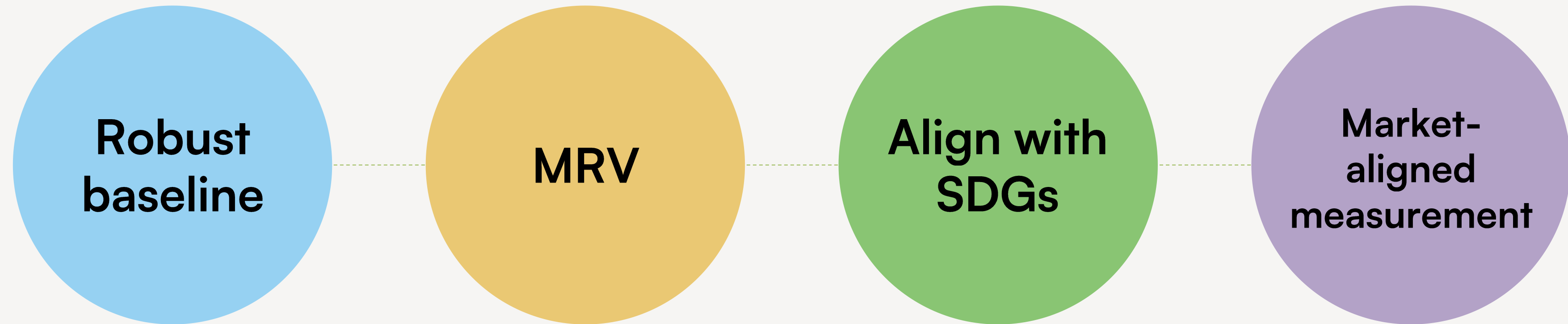
How bioenergy projects can monetize carbon

- ✓ **Credit generation from:**
 - Emission reduction (e.g., fossil fuel displacement)
 - Sequestration (e.g., root biomass, soil carbon)
- ✓ **Stackable revenue:** Sale of biofuel + sale of carbon credits.
- ✓ **Differentiate through “co-benefits”;** type, location and co-benefits are important



How can bioenergy projects add value...

... to themselves, the climate and other stakeholders?





Clean the air, restore the soil

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