

# GRASS – "the triple-win crop"



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## **Green development in Vestjyllands Andel**

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- **Locally produced proteins**
- **Recirculation**
- **Green energy**
- **Creating synergies**

### **Danish Protein Innovation:**

*”One third of Denmark’s import of feed protein will – within a few years – be replaced by feed protein based on danish protein sources”*

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## Green proteins

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- Carbon capture
- Collecting nutrients (NPK)
- Reduction of weeds
- *”Reduction potential of 1-2 tons of CO<sub>2</sub>e per hectare by converting from grain to grass production”*

**Source:** *The Bioeconomy Panel's report "Proteins for the Future"*



# Biomass

## PULP

Used for cattle or  
in biogas

## BROWN

Used in biogas  
or as fertiliser

## GREEN

Dried and used in  
feed products

## WHITE

Human

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# The role of agriculture

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- **Rewriting of the current societal contract:**
- **The primary purpose is to produce food - the byproducts from this should be utilized for energy production**
- **In combination with biogenic CO<sub>2</sub>, the fuels of the future are created - Power-to-X**



# VA Green Circle

- Cascade utilization of biogenic CO<sub>2</sub>

## Basic principle:

During the biogenic CO<sub>2</sub>'s journey through the system, it can be captured in, for example, meat or biomass. From there, it can be further processed in the next cascade to ultimately be collected as a resource for the production of green energy.

