



Organic Knowledge Network
on Monogastric Animal Feed



Grass Protein – local and climate friendly

Erik Fog, senior advisor, SEGES Organic Innovation
OK-Net EcoFeed Thematic Group Meeting, 26th of May 2020



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 773911.

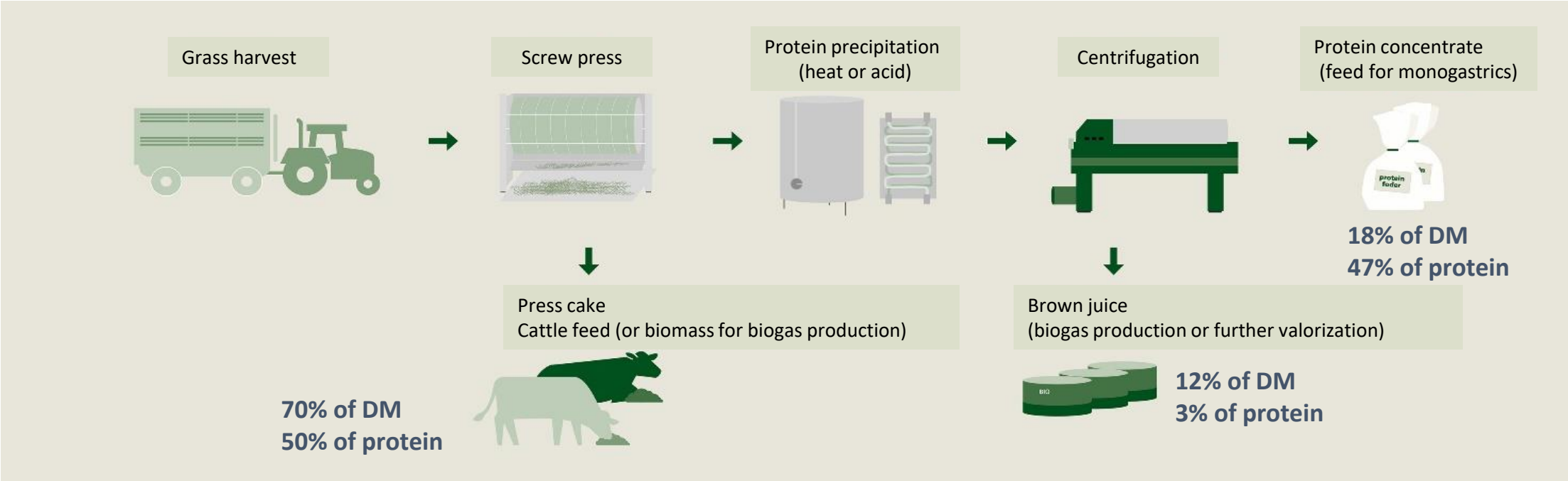
Reasons for Grass Protein

- Grass-clover can produce more than 1 ton of protein concentrate per hectare
- Grass Protein concentrate hold a protein concentration of approx. 50 % with a high content of methionine – very similar to soy cake.
- Pigs fed with grass protein grow as fed with soy protein – and deliver the same meat quality.
- Feeding trials with hens and chicken show similar results.
- Residues from protein extraction are very suitable for cattle feed and biogas production.
- Grass-clover for protein production is an attractive crop in organic farming.
- Grass-clover sequester more carbon in the soil and have less problems with plant diseases than other protein crops.
- Grass Protein concentrate can be produced to prices comparable to organic soy cake.



Production of Grass Protein

- Grass protein is produced in green biorefineries



Danish research in Grass Protein

- Bioref, BioValue Spir, BIOBASE, [MultiPlant](#), [OrganoFinery](#), [SuperGrassPork](#), Subleem 1 & 2, Green Eggs, Bioraf-Business, Green Bioraf, Inno-Grass, [Græs-Prof](#) and [TailorGrass](#) (Ausumgaard)
- Video on the grass protein process:

