



**Subgroup on Innovation &
Knowledge Exchange (SolKE)**
3rd meeting

Brussels
30 May 2023



Funded by
the European Union



Grass2Algae: From residual grass to proteins through microalgal cultivation on grass juice

Marcella Fernandes de Souza
Ghent University

Grass2Algae:

From residual grass to proteins through microalgal cultivation on grass juice

Marcella Fernandes de Souza
Postdoctoral researcher, Ghent University

Grass2Algae OG in a nutshell



Koen Apers Leo De Grave Anko Projects

Problem owners



Research institutes

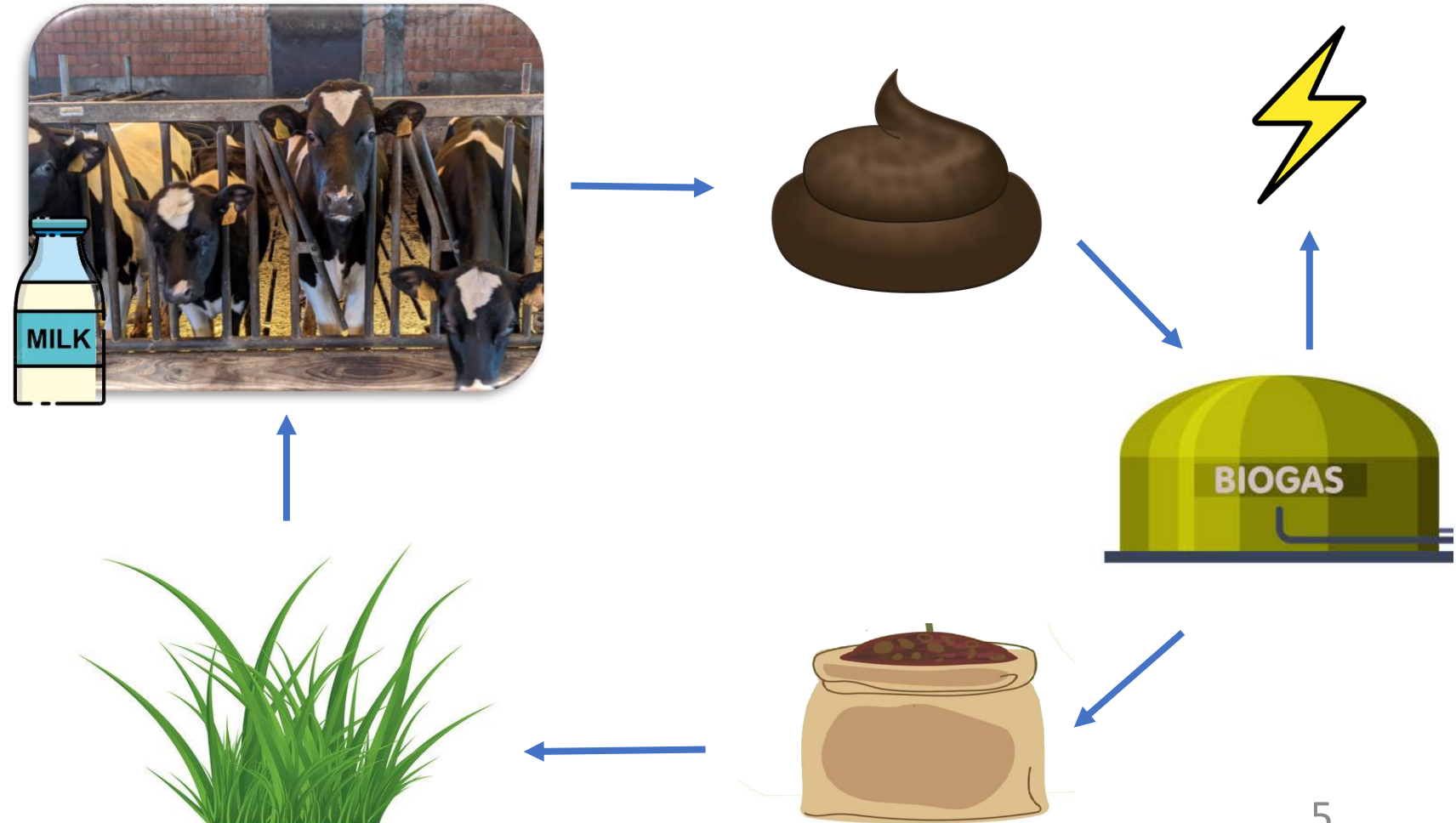


Advisory group

How it all started



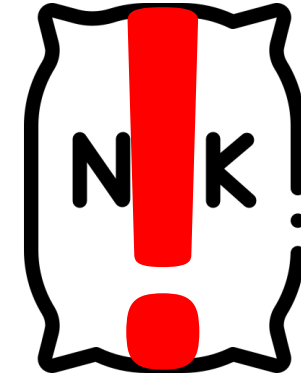
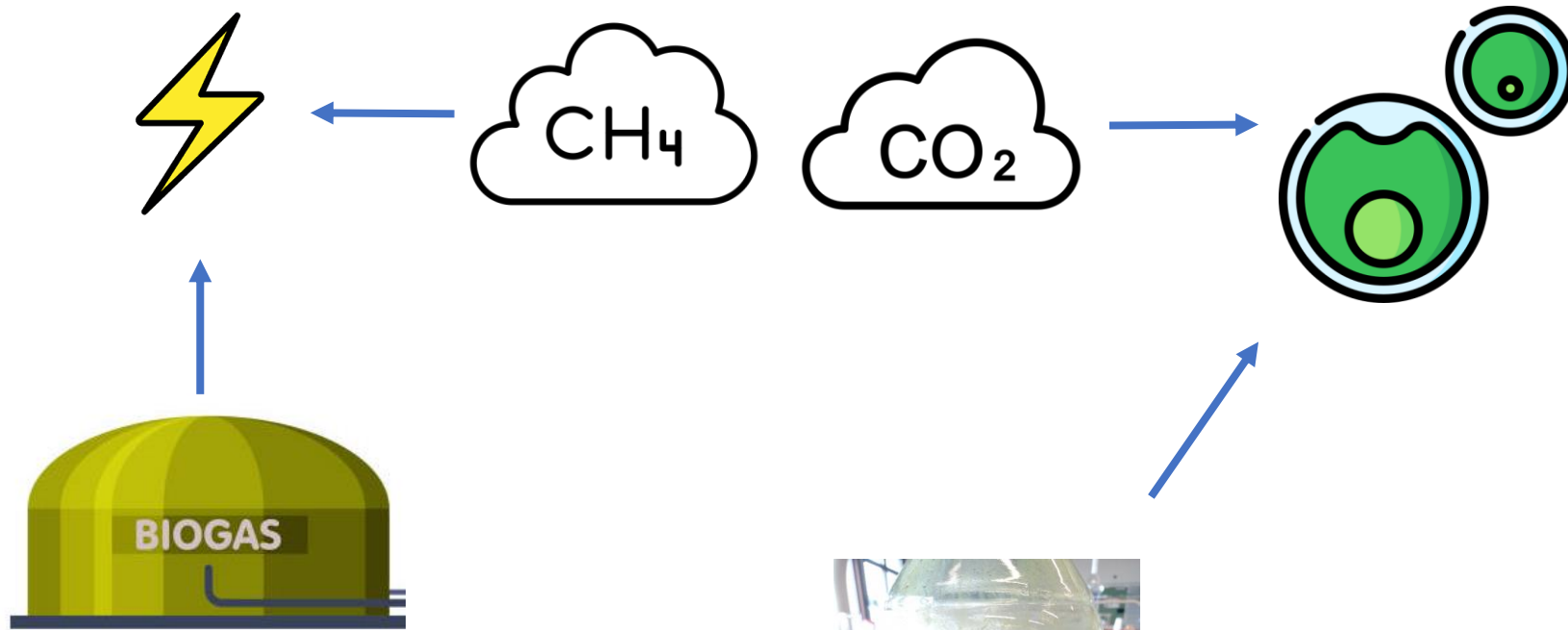
Circular farmer



Status on 2020



DEPARTEMENT
LANDBOUW
& VISSERIJ



**Anko
Projects**



Interreg 
2 Seas Mers Zeeën
European Regional Development Fund

 **GRASSIFICATION**



From where to source the grass?



DEPARTEMENT
LANDBOUW
& VISSERIJ



**Field edges
Low quality grass**

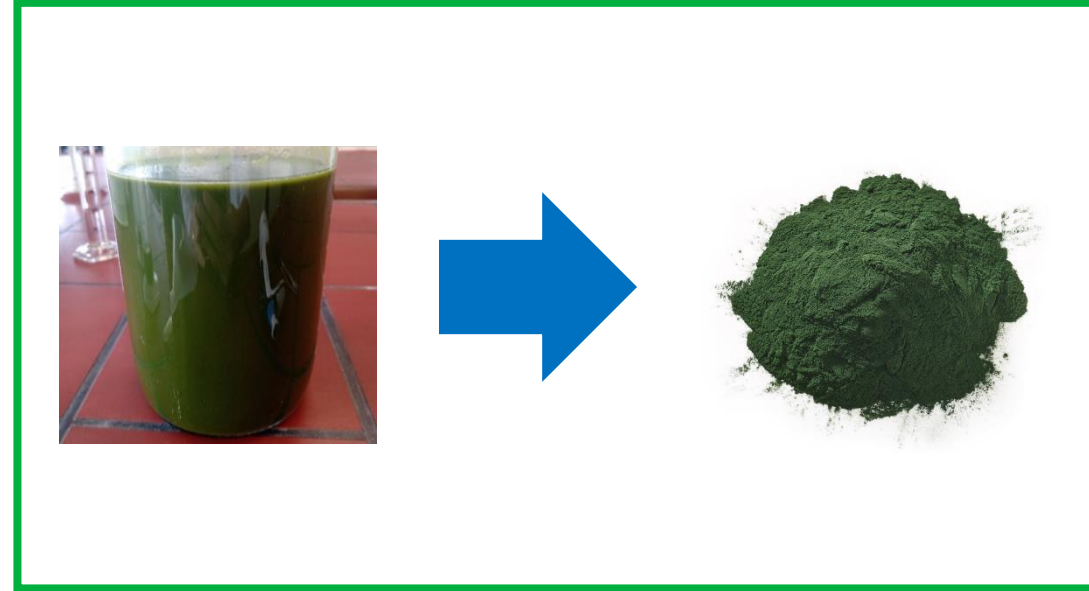
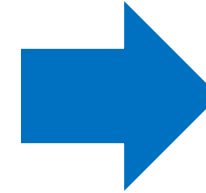
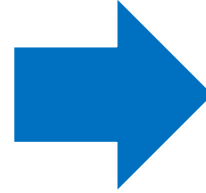
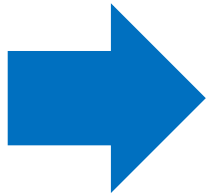


Koen Apers



Leo De Grave

The Grass2Algae concept



The Grass2Algae concept



DEPARTEMENT
LANDBOUW
& VISSERIJ

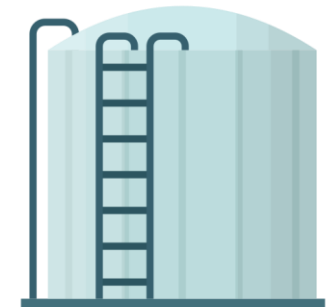


UNITED
EXPERTS

Co-decision and co-creation



DEPARTEMENT
LANDBOUW
& VISSERIJ



Main outputs



**Good growth after
sedimentation, dilution
and pH adjustment**



**Satisfactory AD
potential**



**Competitive market
prices for food
application**

Current status - 2023



DEPARTEMENT
LANDBOUW
& VISSERIJ



THANK YOU!

Marcella Fernandes de Souza
Postdoctoral researcher, Ghent University

marcella.fernandesdesouza@ugent.be

Subgroup on Innovation and Knowledge Exchange (SolKE)

3rd meeting
30 May 2023

All results and presentations are available on the event webpage:
<https://eu-cap-network.ec.europa.eu/events/subgroup-innovation-and-knowledge-exchange-soike-0>

