



This project is funded by the European Union

About the project



Partners



Financial support



Sustainable Algae Biorefinery for Agriculture and Aquaculture (SABANA)	
Call	H2020-BG-2016-2017 Blue Growth
Organism	European Commission
Topic/Type/Budget	BG-01-2016, Innovation action , 10,5 M€
Duration (months)	48 (2017-2020)

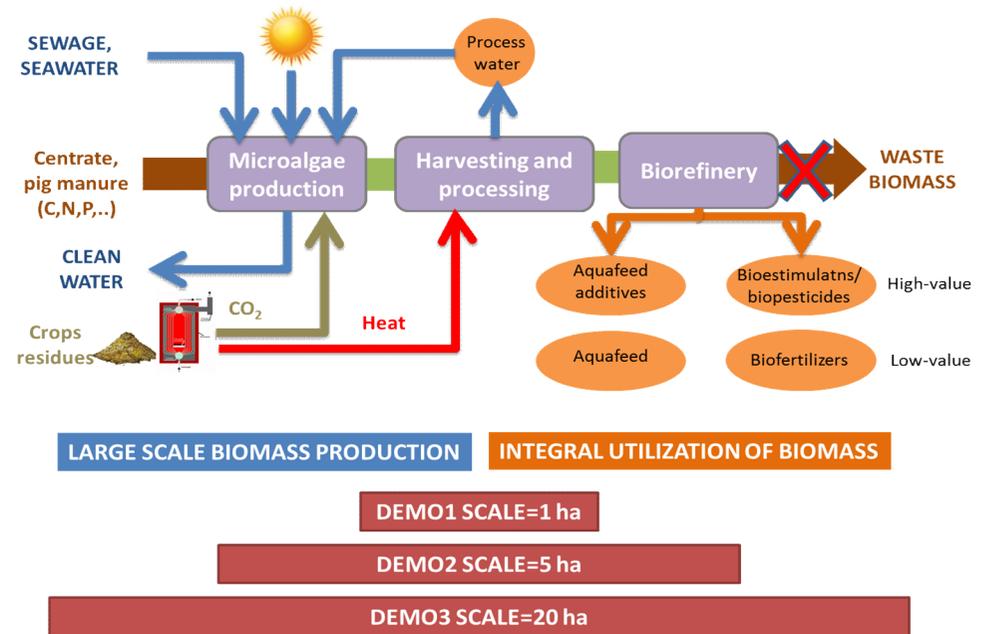
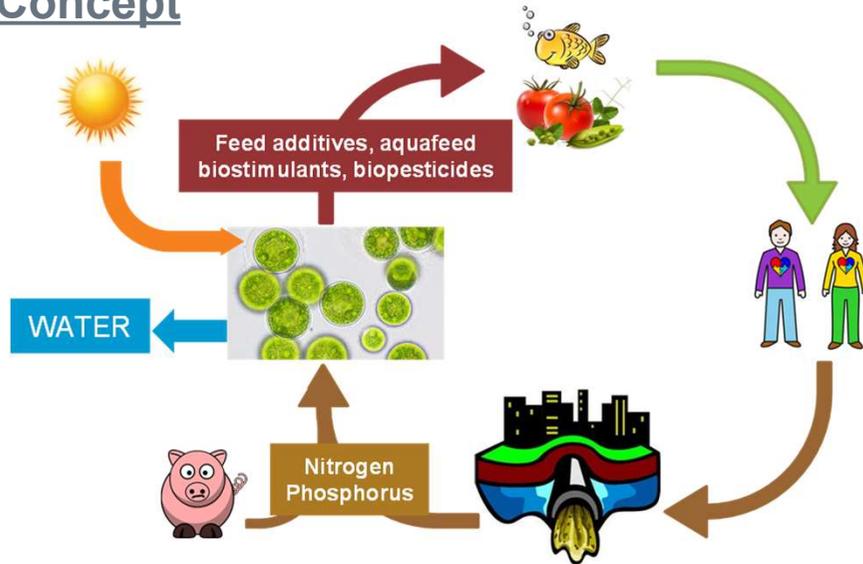


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About the objective



Concept



- 1. Large scale production:** Develop robust and scalable microalgae production and processing processes, in continuous mode all the year around. Economic analysis limiting technologies. Biomass up to 100 t/ha·year
- 2. Sustainable production:** To integrate the treatment of wastes to increase the sustainability of the entire process. Life Cycle Analysis determines what is possible or not. Recovery up to 10 tN/ha·year, 2 tP/ha·year
- 3. Markets/commercialization:** Only products now requested by the markets and that legally accepted are considered. Business plan is the driver of the project.



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About the results



DEMO FACILITIES (7 ha)

Auxiliary facilities

- Air, CO₂, flue gas
- Culture medium
- Harvesting
- Spray-dryer
- Cell disruption
- Enzymatic hydrolysis
- Extraction processes



Thin-layer cascade



Raceway reactors

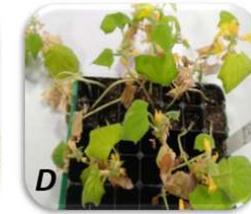


Large scale reactors ~ 5.000 m² surface



Agriculture related products

Biostimulant + Biosuppressive vs *Botrytis cinerea* (Bc)



Aquaculture related products

