



Sustainable integrated algae biorefinery for the production of bioactive compounds for agriculture and aquaculture

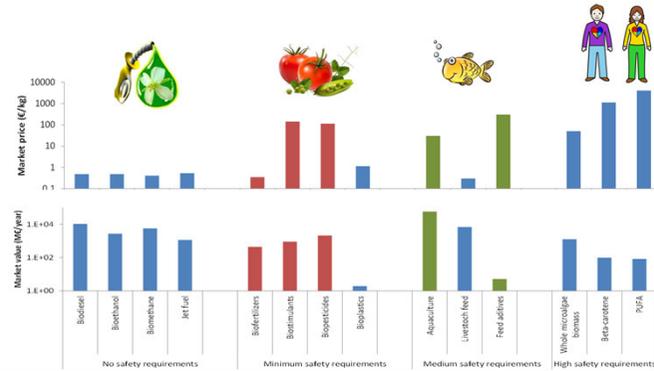
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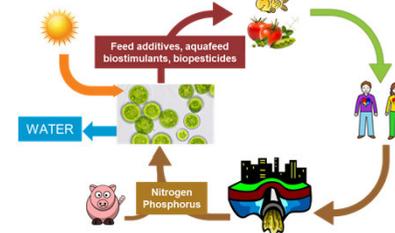
ELSEVIER

REASONABILITY



Agriculture and aquaculture are large markets demanding new products from microalgae, these markets impose softer safety requirements

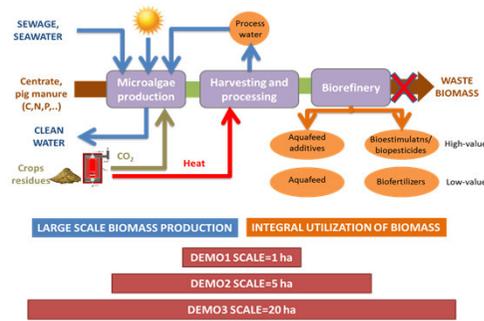
OBJECTIVE



The objective of SABANA is to develop and demonstrate an integrated microalgae-based sustainable biorefinery to produce a range of value-added products (biofertilizers, aquafeed) for agriculture and aquaculture, using marine water and recovering nutrients from wastewaters (sewage, centrate and pig manure), accomplishing market (quality, price, regulations) and social (acceptance, capacitation, skills) requirements.

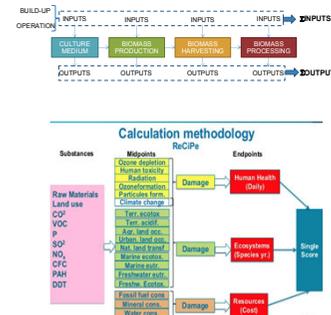
CHALLENGES

LARGE SCALE PRODUCTION



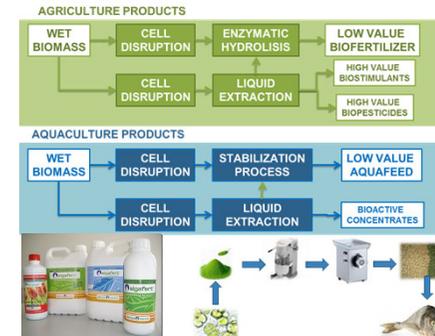
To develop robust and scalable technology for microalgae production (including harvesting and processing), in continuous mode all the year around, at minimum cost. Economic analysis must be used in decision making.

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.

MARKETS/COMMERCIALIZATION

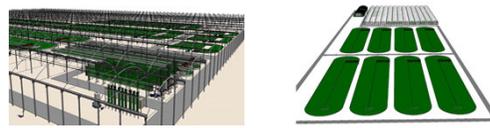


Only products now requested by the markets and that legally accepted are considered. Business plan is the driver of the project

PARTNERS



RELEVANCE



- Large DEMO facility for microalgae biotechnology
- To approximate to real commercial scale
- Collaboration between research and industry
- Training center for development of skills

MORE INFO:

www.eu-sabana.eu



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