

The MacroAlgae Biorefinery

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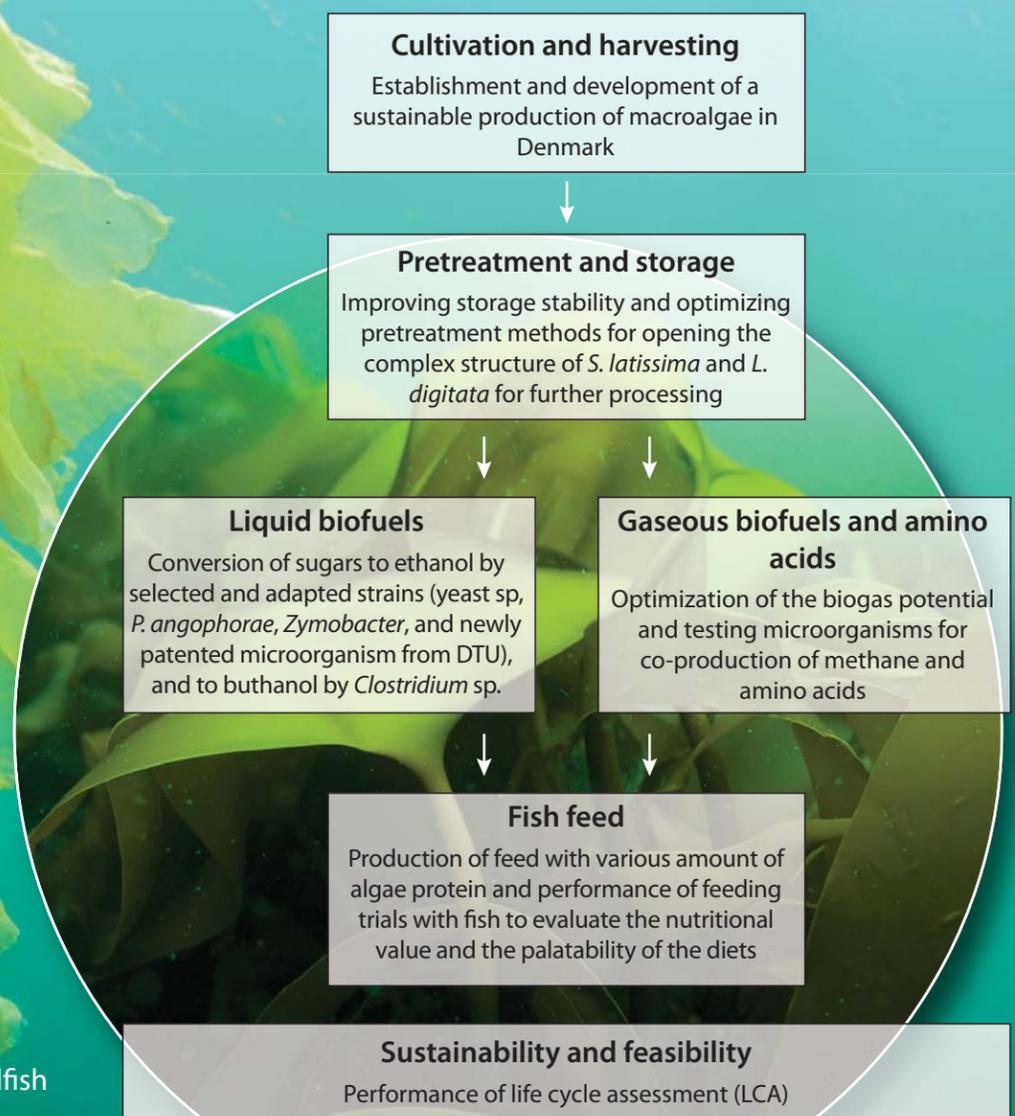
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In the **MAB3** project, an integrated biorefinery concept will be developed for conversion of brown macroalgae, i.e. *Saccharina latissima* and *Laminaria digitata* into energy carriers (ethanol, butanol and methane), and a protein and lipid enriched fish feed derived as a residual from the energy conversion processes.

Department of Bioscience, Aarhus University and others* collaborate in the production of biomass for the project. Already a brown algae hatchery has been established and small-scale open water cultivation is initiated later this year. On this basis, mapping of seasonal and geographic variation in growth and biochemical composition along with determination of the bioremediation potential will be performed. In addition, genetic variation of the two brown macroalgae in inner Danish waters is investigated as an indicator of the potential of optimizing growth and biochemical composition through strain selection.



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Partners

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<http://mab3.teknologisk.dk/>