

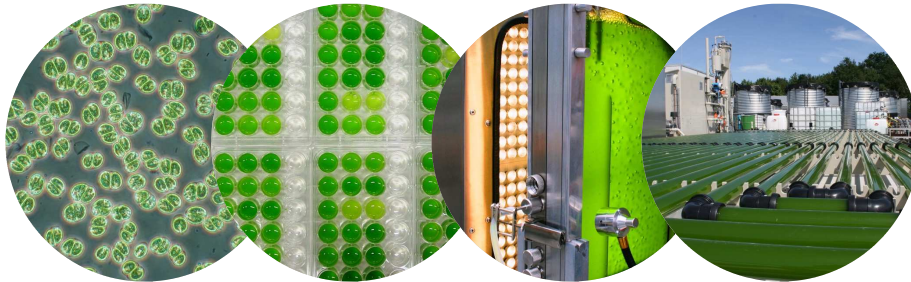
AlgaePARC and models for large scale microalgae production

Ellen Slegers

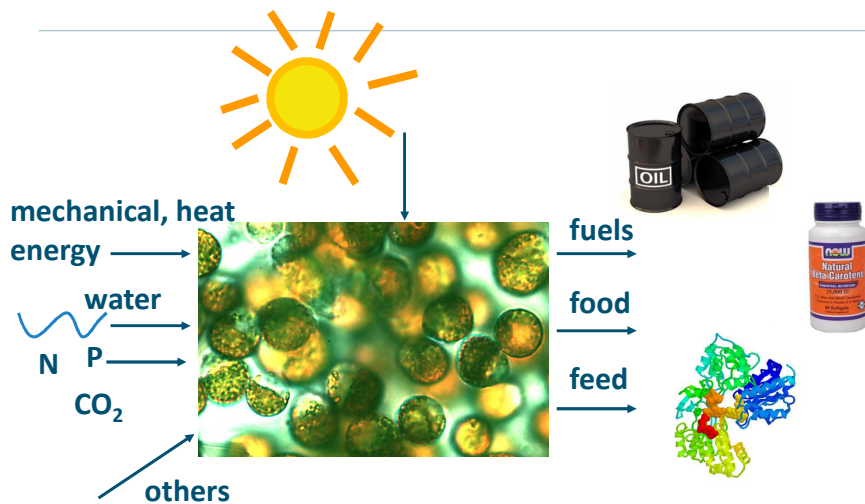
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Algae = potential fuels, food, feed

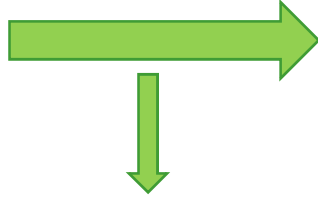


Need: large scale production

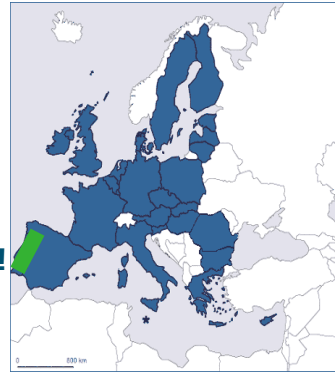
Currently



?



Desired



Pilot scale to understand!



AlgaePARC: knowledge, technology and produce strategies



- Outdoor conditions
 - Light
 - Temperature
- Compare various reactor designs
 - In parallel
 - Using one algae species



Movie AlgaePARC

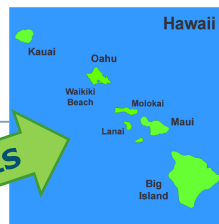


Models: predict for other locations, designs, dimensions

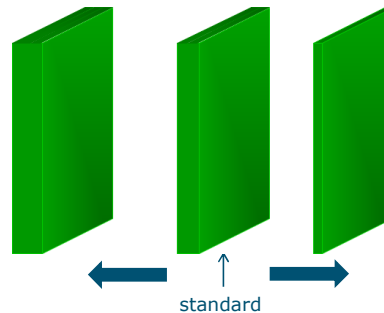
Results AlgaePARC

- 1 algae species
- Netherlands
- Constrained operating conditions

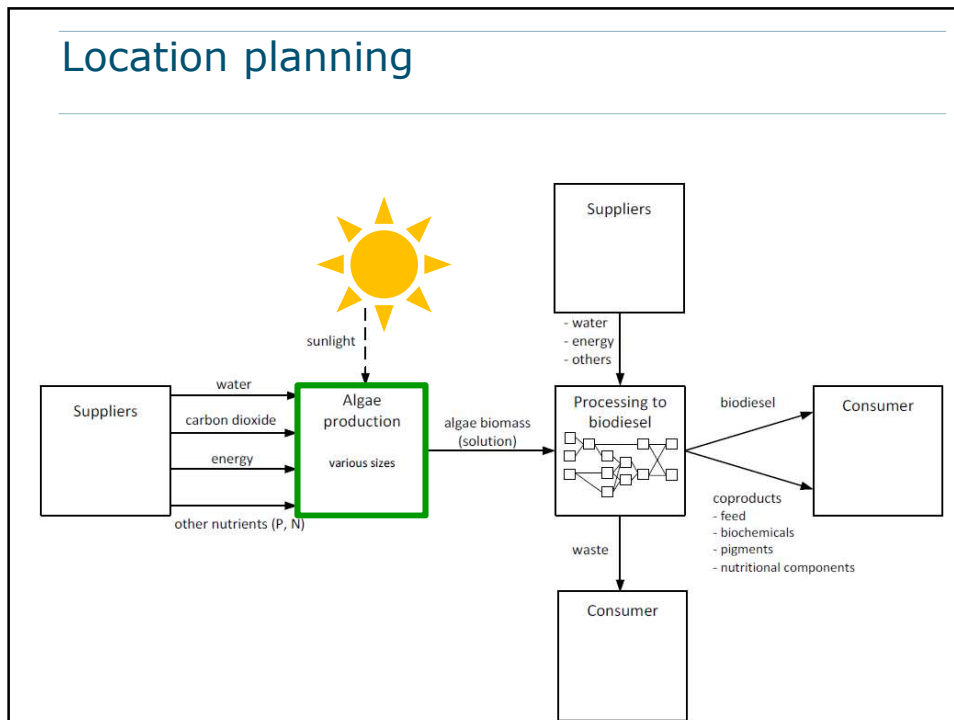
MODELS



MODELS



Location planning



AlgaePARC and models from Wageningen University:

Versatile combination of experiments and models!

