

# The potential of algae cultivation in the Southern Baltic Sea from an ecosystem services perspective

## Provisioning services

- ✓ Food (human consumption)
- ✓ Feed (e.g. for cattle)
- ✓ Fuel (production of bioenergy)
- ✓ Other processing or use of biomass material (e.g. agricultural fertilizer, bioplastics, cosmetics..)

## Regulating and maintenance services

- ✓ Carbon sequestration
- ✓ Nutrient regulation
- ✓ Water purification/regulation
  - Sedimentation
  - Pest and disease control
  - Risk for biodiversity (e.g. entanglement)

## Cultural services

- ✓ Education and science
- ✓ Regional identity (e.g. regional food products)
- ✓ Culture and heritage (e.g. fishermen)
  - Landscape aesthetics

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