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Project partners

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Rationale and objective of the project

- Increasing demand for **aquaculture starting material** (spat, larvae, seeds).
  - Synergies in hatchery/nursery with economical and environmental benefits?

- **Objectives**: (1) expand knowledge on hatchery and nursery techniques of 3 species groups and (2) start documenting RAS hatchery economics and sustainability (not yet in Flanders or EU)
  - Closed land-based systems (RAS)
  - Innovation in biological and technological aspects
  - Synergies and integration of species
  - Local species, local conditions, local short-chain market



Outcomes and valorization potential

- Hatchery/nursery knowledge to **<u>support companies (sustainable seafood and nature restoration)</u>**
  - Independent oyster nursery for SPF animals, nature-based solutions, local production, …
  - Life cycle control of local species (macroalgae, prawns, …)
  - Culture collections
  - …

- Insight in **<u>economical and environmental benefits of species integration</u>**
  - Automated feeding units
  - Efficient use of space
  - Reduced break-even thresholds (down to -50%) compared to monocultures, especially with integration of high value products (macroalgae)