KB34 Circular

Integrated Assessment Framework - Ecosystem based (towards quantification) - Safety by design (hotspots for circular chains)

Monitoring tools eDNA biodiversity, carbon sequestering, ROV, oyster larvae mortality, remote techniques Approaches for carbon fixation/burial - scenarios for carbon burial

Climate smart

Develop Love topbo systems for circular

climate food systems

Production, processing, application Model development trophic consequences

Carrying capacity and externalities

Environt, Foo

Improving livestock/aquaculture Robustness, health, efficiency - Define promising resources -Develop in vitro/in vivo screening strategies

Improving terrestrial plant stress resistance - mode of action -Develop screening strategies

Beneficia

Method for monetarization ecosystem services - eg. Carbon sequestering, nutrient extraction, biodiversity



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Expected impacts towards a circular and climate neutral society	Drivers
Our outcomes provide a tool set to prepare for the implementation of marine resources in a circular food system Understanding the mechanisms behind the benefits of marine applications allow for a more efficient and broaders creening of marine resource. The knowledge base enables us to utilize carbon, nutrient and biodiversity a pplication in climate smart systems. The product streams, processing and food safety understanding, will be implemented in development of the climate smart low trophic production systems.	Energy, resource, nature transition in a multi-use environment Climate smart and circular strategy development Production and utilisation of low trophic marine resources in the food system
	, Contribution to integration of the marine system in the circular agriculture vision
Aproaches for carbon Sustain(-Sustain) . Comprem land Assument Framework . Comprem land Ionucrisquaritication) . Setty by diagn (hospots for druker data) . Model development sequestoring, ROV, cyster lance 	Within WUR: KB program 34 (models and externalities) Climate change actions Circularity team (C-team)
	Outside WUR: Ministry of LNV Community of Practice Se a weed Industry Shellfish Industry
	Expected impacts towards a circular and climate neutral society Our outcomes provide a tool set to prepare for the implementation of marine resources in a circular food system Understanding the me chanisms behind the benefits of marine applications allow for a more efficient and broader s creening of marine resource. The knowledge base enables us to utilize carbon, nutrient and biodiversity application in climate smart systems. The product streams, processing and food safety understanding, will be implemented in development of the climate smart low trophic production systems. Our integrated framework will prepare for marine circular ad a ptation.

