



SmartChain

Blue Bioeconomy Solutions

Smart solutions for advancing supply systems in blue bioeconomy value chains

Portfolio of Outputs and Commercialisation Needs

<https://www.sintef.no/en/projects/2021/smartchain/>



Project consortium includes 2 SMEs:



Outputs

Simulation Model



TRL 3

Proof of concept simulation model for sustainable utilisation, production planning, logistics optimisation and traceability to facilitate the transfer of bio-resources in fisheries and aquaculture value chains.

Data Modelling



TRL 2/3

Data modelling of the blockchain-based traceability system and the key data for the seafood supply chain.

Sustainability and Supply Chain



TRL 3

Indicators for sustainability assessment and supply-chain decision making.

Processing Co-Streams



TRL 4

Optimised scaled technological solutions for processing co-streams into high-value and functional ingredients (marine collagen production).

Next Steps

Capacity Building

Upscaling

System Design

Raising Awareness

Increased stakeholder involvement