SmartChain
Blue Bioeconomy Solutions

STAKEHOLDER WORKSHOP

CHALLENGES AND BARRIERS RELATED TO CIRCULARITY AND SUSTAINABILITY

31 AUGUST 13.00 – 15.00 CEST

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SMARTCHAIN focuses on circular economy solutions for the blue bioeconomy. The bioeconomy "is the production of renewable biological resources and the conversion of these resources and waste streams into value added products, such as food, feed, bio-based products and bioenergy" (COM, 2019, p. 8). The blue bioeconomy emphasizes aquatic or marine environments, and involves a specific focus on novel applications, including non-food, food, and feed. The blue bioeconomy includes both primary and secondary activities and other sectors may be connected to the blue bioeconomy through their services to bioeconomic activities (Nordic Council, 2014).

A transition towards a circular economy for the blue bioeconomy can contribute to resource efficiency gains which are integral to sustainable development. The blue bioeconomy needs to follow the principles of sustainable development such that it contributes to meeting the needs of present generations without compromising the needs of future generations through a focus on the three main pillars of sustainability: economic, social, and environmental (Fritsche et al., 2020). Blue bioeconomy development can support the achievement of broad societal goals such as the Sustainable Development Goals (SDGs) through an emphasis on sustainability, circularity, and innovative approaches.

The workshop aims to bring stakeholders within the blue bio economy sector together to discuss the challenges and barriers to circularity and sustainability. What are the solutions and opportunities?

AGENDA:

• Introduction of Smartchain project – *Maitri Thakur, Project Co-ordinator, SINTEF*

• Can higher resource utilization be achieved in seafood supply chains? Status and challenges from Iceland and Norway – *Magnus Stoud Myhre, SINTEF*

• Current data capturing practices in seafood supply chains in Norway and Iceland - a basis for a blockchain based traceability system – *Andrea Viken Strand, SINTEF*

• Barriers to increased sustainability and circularity in the blue bioeconomy: preliminary findings – *Nina Saviolidis, University of Iceland*

• Simulation and optimisation of logistics within the fisheries - *Allan Larsen, DTU*

• Industry perspectives on challenges related to raw material availability and quality

- *Marine collagen production in Iceland*
- *Logistics and quality challenges*

• **Discussion**

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