

Aquaculture Production within Planetary Boundaries

As aquaculture evolves to meet global sustainability goals, the new GIZ Global Programme: 'Sustainable Aquatic Food' (GP-SAF) reflects a broader approach to managing aquatic resources responsibly. This session at AFRAQ 2024 will explore how aquaculture systems can remain productive while respecting planetary boundaries, offering insights from both extensive production systems and innovative, technology-driven practices.

Synopsis of the Session:

The session is divided into two slots, each addressing critical aspects of sustainable aquaculture and the transition toward more holistic resource management. An interactive discussion, supported by the 'Mentimeter' tool, will be conducted to foster a mindset shift, encouraging participants to think about how innovations can enhance aquaculture productivity within environmental limits.

09:00-10:20

Integrated Aquaculture Development Concepts (examples from 8 years of implementation by GIZ)

This slot will feature speakers from the GIZ 'Global Initiative on Fish'. The discussion will focus on how aquaculture production systems are evolving to integrate broader aquatic resource management imperatives, and the continued German cooperation support going forward. The emphasis will be on extensive production systems that balance economic, social, and environmental considerations. The International Institute for Sustainable Development (IISD) plans to present their latest study "Sustainable Asset Valuation (SAVi) of Aquaculture, Madagascar - Beyond Production: An Integrated Assessment of Aquaculture Systems Production". This presentation will serve as a bridge to the topics in the second slot, focusing on intensification and digitalisation in aquaculture.

10:40-12:40

Aquaculture Production within Planetary Boundaries – Intensification and Digitalisation

Papers from the AquaSustain 2024 Bangkok conference, which included contributions by top experts from more than 27 countries, will be presented and discussed. An introduction will provide context for the ongoing global discussions, which will focus on:

1. Intensification in Aquaculture: Challenging the concept of intensification to enhance productivity.
2. Digitalisation in Aquaculture: Investigating if and how digital tools can help producers manage their operations more efficiently and sustainably.

Programme Chair: Samanta Mapfumo Samanta.Mapfumo@giz.de