



Alternative Scenarios for Blue Economies

SYKE.FI/PROJECTS/PLAN4BLUE

KEY MESSAGES

Sustainability above all!

- Strong environmental policy and legislation will lead to decarbonisation in energy production. Zero emission policies in shipping. Modern shipbuilding and innovations. Blue bioeconomy is sustainable and circular-economy based. New bio-based products. Sustainable and responsible tourism, restrictions for tourists to enter certain conservation areas.

Unlimited growth

- Economic growth is based on the use of traditional fossil and nuclear energy, existing energy infrastructure will be used. Increasing global consumption and heavy maritime traffic. Overexploitation of natural resources. Due to bad state of the environment, the production and availability of blue bioeconomy have decreased. Strong growth has led to mass tourism and environmental damages. Attitudes towards environment and sustainability are careless.

Sustainability dilemma

- New and "old" energy production side-by-side. No decisions will be taken towards sustainability. Mix of renewable and fossil fuels used in shipping. Awareness of the environmental problems, and their impact, however "old" technologies are used instead of innovative systems. Concern about impact of tourism on the environment, but lack of environmental leadership and preparedness for the rise of tourists flows.

Virtual reality

- Extensively digitalized society leads to enormously increasing need for energy. Digitalization, local production and optimization of logistics reduce drastically maritime transport. New, digital-based production and circular economy. Offshore aquaculture; independent, floating units, automation. People travel less, and prefer to experience destinations at home with augmented reality, which will reduce the need of energy.

The Plan4Blue scenario process produced both qualitative and quantitative data. Expert views were included in the process from the Delphi studies, the scenario workshops, as well as from expert interviews. The scenario report describes the methods and results of the expert involvement in the scenario process, main drivers and the alternative Blue Growth scenarios. Infographs and animation present briefly the main results.

Blue Growth -- Drivers and alternative scenarios for the Gulf of Finland and the Archipelago Sea. Publications of the Centre for Maritime Studies, Brahea Centre at the University of Turku. A 75, 2018. Riitta Pöntynen & Anne Erkkilä-Välimäki.

www.syke.fi/projects/plan4blue/scenarios

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