BLUE GROWTH BOUNDARIES IN NOVEL BALTIC FOOD WEBS (BONUS BLUEWEBS) Defining the future of ecosystem services in the Baltic Sea

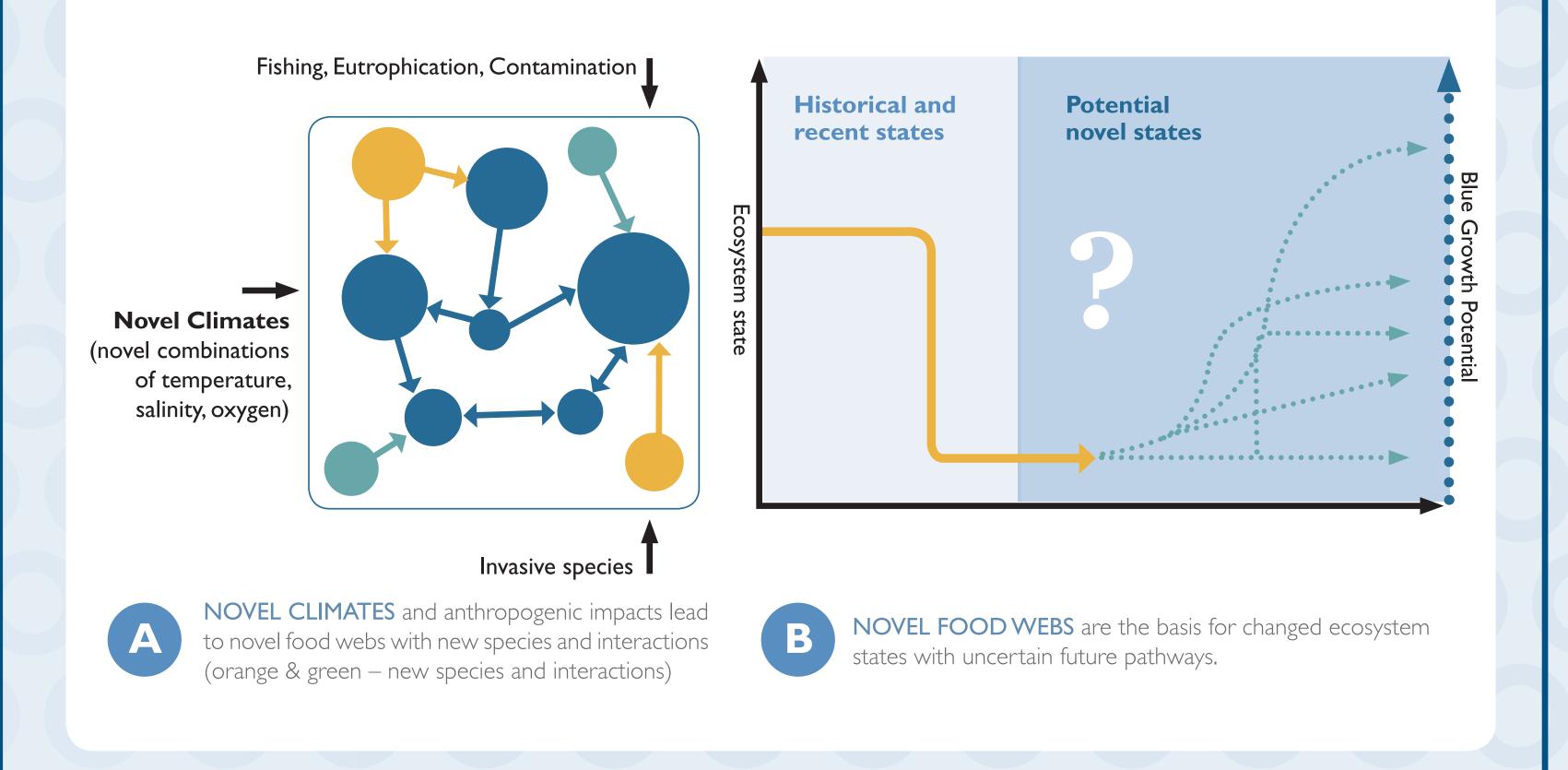
Laura Uusitalo, Marie Nordström, Bärbel Müller-Karulis, Rüdiger Voss, Thorsten Blenckner, Christian Möllmann, and other BLUEWEBS team members syke.fi/bonusbluewebs | www.bonusprojects.org/bluewebsproject

BLUEWEBS ADDRESSES KNOWLEDGE GAPS IN THE FUNCTION OF BALTIC SEA FOOD WEBS

BLUEWEBS

BLUEWEBS BACKGROUND

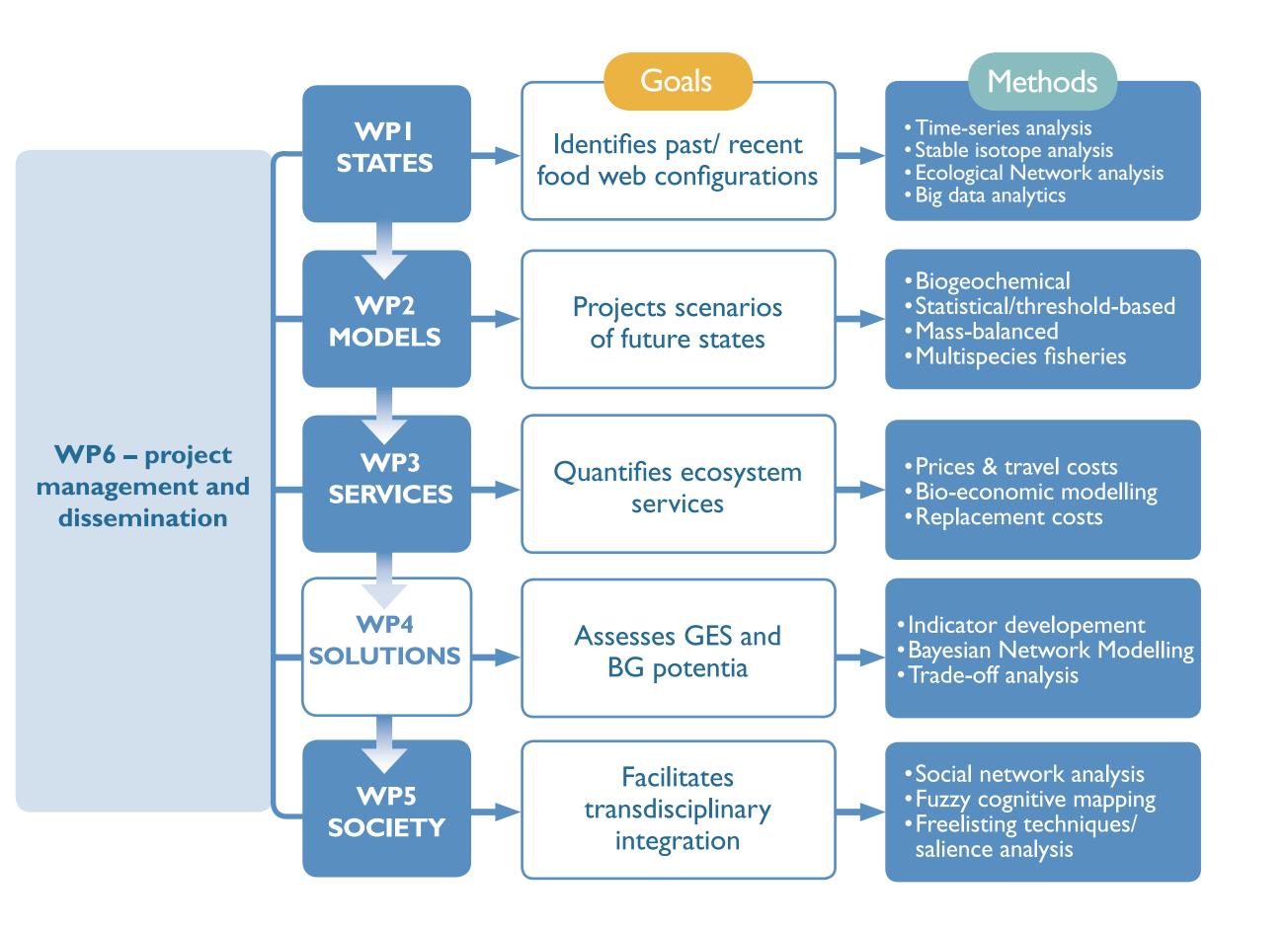
- temporal and spatial variability in "bottom-up" and "top-down" forces
- mechanisms of historical change in trophic cascades, food web structure and function, and regime shifts
- + transformation of nutrients and harmful substances
- impacts of nutrient and contaminant loading, climate forcing, and the introduction of non-indigenous species and fisheries on food web dynamics
- socio-ecological coupling and ecosystem service provisioning potential



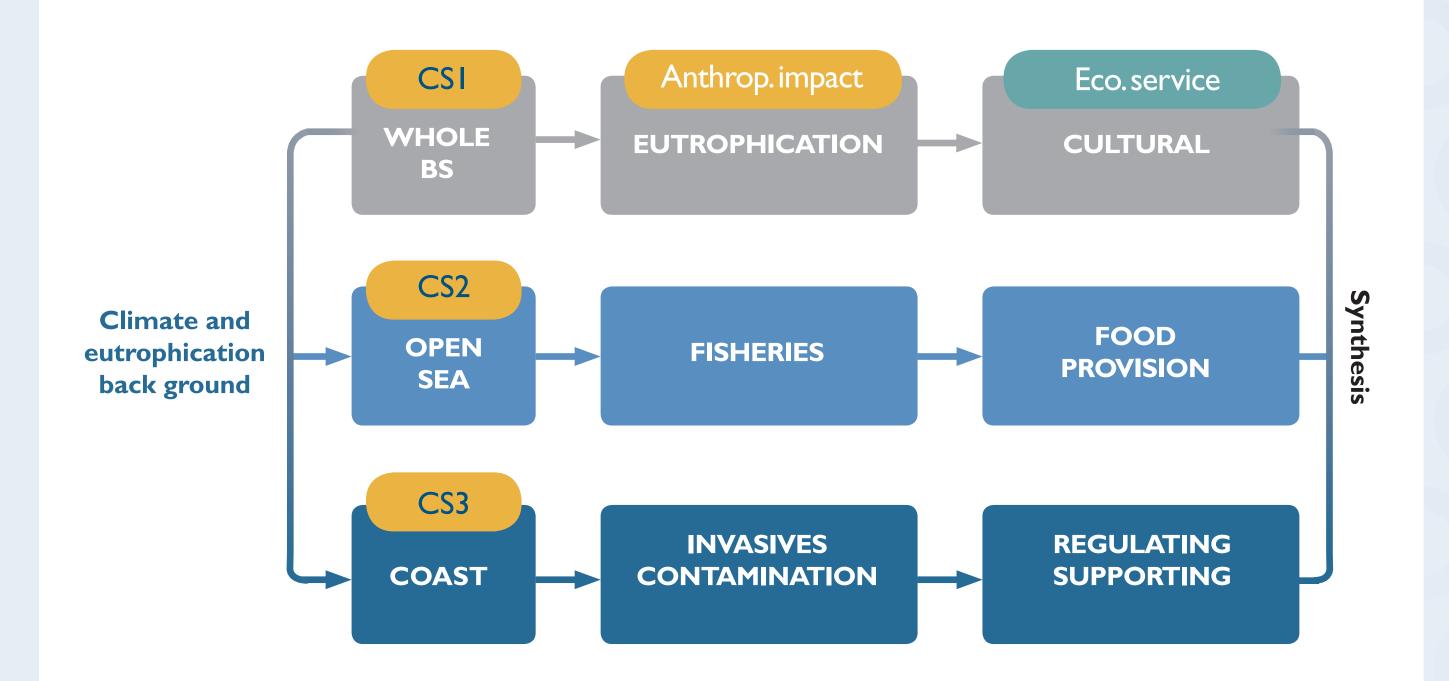
CASE STUDIES

BLUEWEBS has three case studies focusing on different

WORKPACKAGE (WP) STRUCTURE WITH WP GOALS AND METHODOLOGY



pressures and ecosystem services. The coastal case study focuses on three locations: Archipelago Sea, Gulf of Riga, and the Gulf of Gdansk.



BLUEWEBS RESEARCH QUESTIONS ←

What is novel about today's Baltic Sea food webs in terms of structure and function?

What is the capacity for novel Baltic food webs to provide ecosystem services?
What are the likely futures of Baltic Sea ecosystems, taking into account the novel food web and climate?
How can the system be managed to reliably and sustainably achieve good environmental status and blue growth?
How to include non-academic knowledge into scientific and decision making processes?





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PARTNERS:

Finnish Environment Institute | Hamburg University | Kiel University | Stockholm University Åbo Akademi University | Institute of Food Safety, Animal Health and Environment | National Marine Fisheries Research Institute