

## MODULE 6: TRANSFORMING BLUE ECONOMY SECTORS TOWARDS SUSTAINABILITY

### 1. OBJECTIVES

- Understand the needs to co-design blue economy (BE) strategies with local communities
- Introduce to a sustainability transformation approach: System Innovation Approach
- Application within the BRIDGE-BS project: implementation of living labs and codesign of transformative pathways

### 2. INTRODUCTION

As the world grapples with the urgent need for sustainable development, the sustainable blue economy (BE) emerges as a transformative pathway toward a more resilient and equitable future. However, realizing its full potential requires more than technological innovation; it demands inclusive, community-driven strategies that reflect local realities and aspirations.

This session aims to:

- Understand the economic and environmental context of the Blue Economy.
- Introduce the System Innovation Approach as a tool for sustainability transformations, engaging stakeholders in co-designing transformative strategies
- Highlight the catalytic role of innovation in driving transformative change within BE sectors, from grassroots initiatives to institutional shifts.
- Present a concrete example of SIA implementation in the Black Sea region where blue transformative pathways were co-designed with local stakeholders within the framework of the BRIDGE-BS project

Together, these themes underscore the necessity of a holistic, participatory, and adaptive approach to shaping a sustainable blue economy.

### 3. READING SUGGESTIONS

- Fazey, I., Schöpke, N., Caniglia, G., Hodgson, A., Kendrick, I., Lyon, C., et al... Marion Mueller dq, K. (2020). *Transforming knowledge systems for life on Earth: Visions of future systems and how to get there*. <https://doi.org/10.1016/j.erss.2020.101724>
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- Jouffray, J. B., Blasiak, R., Norström, A. v., Österblom, H., & Nyström, M. (2020). *The Blue Acceleration: The Trajectory of Human Expansion into the Ocean*. *One Earth*, 2(1), 43–54. <https://doi.org/10.1016/J.ONEEAR.2019.12.016>
- Schot, J., & Steinmueller, W. E. (2018). Three frames for innovation policy: R&D, systems of innovation and transformative change. *Research Policy*, 47(9), 1554–1567. <https://doi.org/10.1016/J.RESPOL.2018.08.011>



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- *SUPPORTING SUSTAINABILITY TRANSITIONS UNDER THE EUROPEAN GREEN DEAL WITH COHESION POLICY Toolkit for national and regional decision-makers Regional and Urban Policy*. (n.d.). <https://doi.org/10.2776/581969>
- FAO. 2022. *Blue Transformation - Roadmap 2022–2030: A vision for FAO’s work on aquatic food systems*. Rome. <https://doi.org/10.4060/cc0459en>
- Soma, K., van den Burg, S. W. K., Hoefnagel, E. W. J., Stuiver, M., & van der Heide, C. M. (2018). Social innovation – A future pathway for blue growth? *Marine Policy*, 87, 363–370. <https://doi.org/10.1016/j.marpol.2017.10.008>
- OECD, 2016: Organisation for Economic Co-operation and Development. *The Ocean Economy in 2030*. OECD Publishing, Paris. <https://doi.org/10.1787/9789264251724-en>

#### 4. EXTERNAL LINKS

- <https://blackseabeo.eu/>
- [https://blue-economy-observatory.ec.europa.eu/index\\_en](https://blue-economy-observatory.ec.europa.eu/index_en)