

Towards a Transparent and Sustainable Atlantic Fisheries Sector: The SMART4SEA Approach

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OVERVIEW

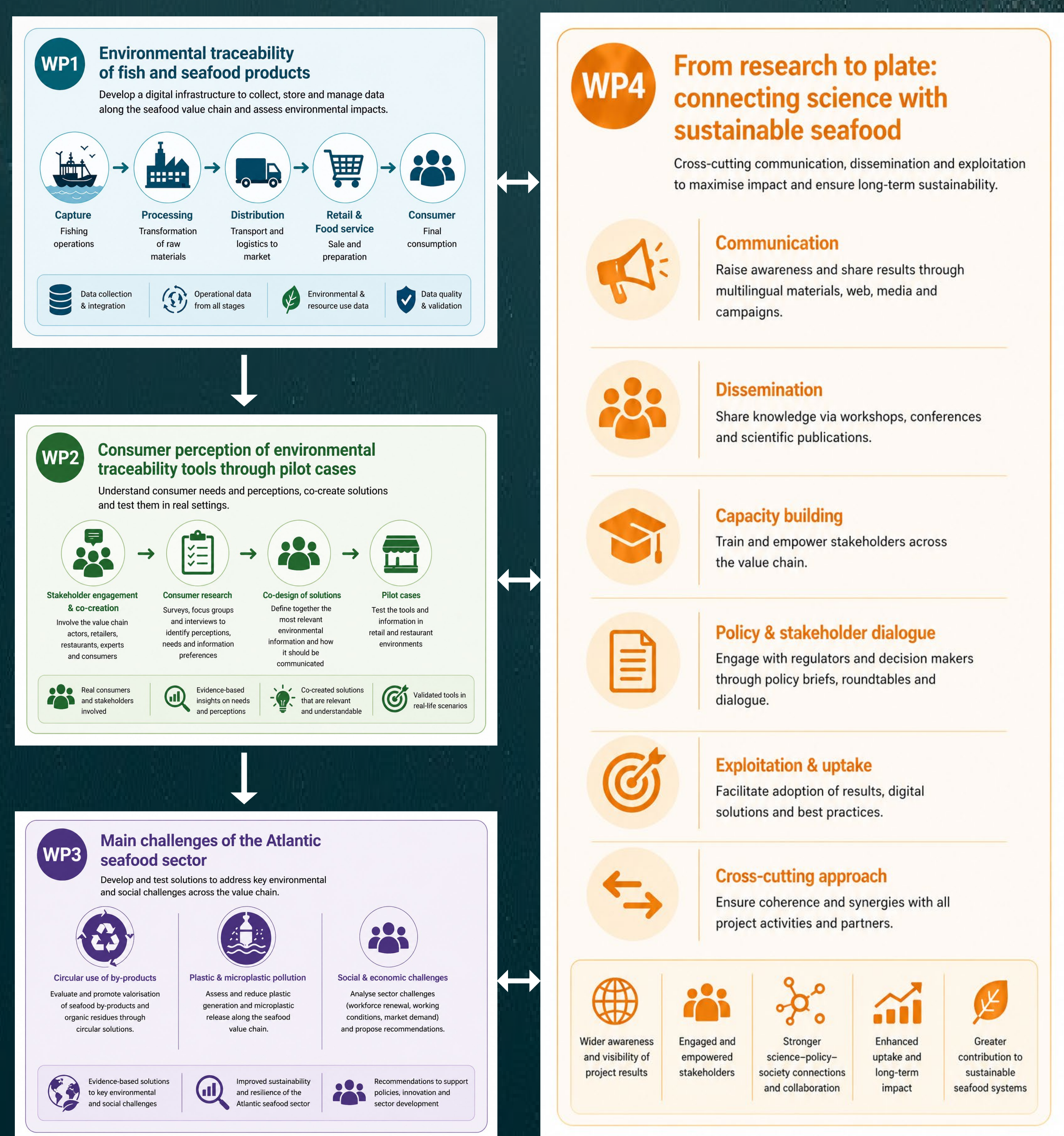
The Atlantic fisheries sector, a cornerstone of the region's economy, culture, and food security, faces growing pressure to ensure environmental sustainability, traceability, and transparency across its value chains.

Despite recent advances, the sector still struggles with fragmented data systems, limited interoperability, and the absence of integrated digital infrastructures and harmonised data protocols.

These deficiencies restrict the flow of reliable information to authorities and consumers, hindering effective environmental management, enabling food fraud, and undermining public trust in seafood products.

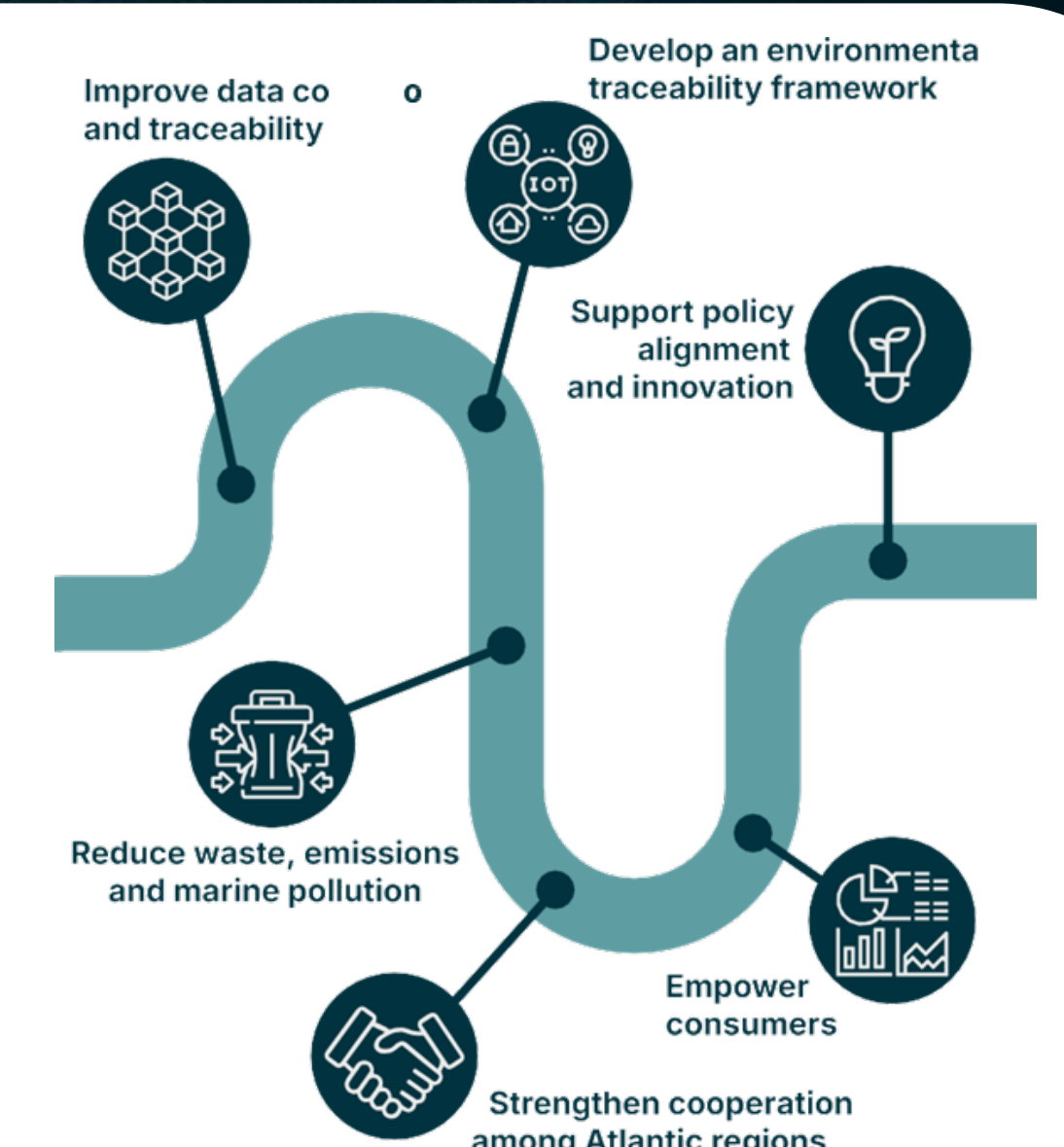
Addressing these shortcomings is therefore essential to enhance transparency and traceability, strengthen governance mechanisms, and ultimately secure the long-term resilience of Atlantic fisheries in a rapidly changing socio-environmental context.

METHODOLOGY



OBJECTIVES

SMART4SEA aims to transform the Atlantic seafood sector by developing a cutting-edge environmental traceability system that integrates **digital technologies, life cycle assessment (LCA) and consumer engagement**. The project seeks to make seafood products more transparent, sustainable and trustworthy, while empowering fishers, industry, policymakers and consumers across the Atlantic Area to adopt circular and resource-efficient practices.



EXPECTED RESULTS



THE CONSORTIUM

Coordinated by the University of Cantabria, the **SMART4SEA** project brings together **10 partners** from 4 different countries: **Spain, Portugal, France and Ireland**.



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