

Underutilized and new aquatic biomass side-streams.

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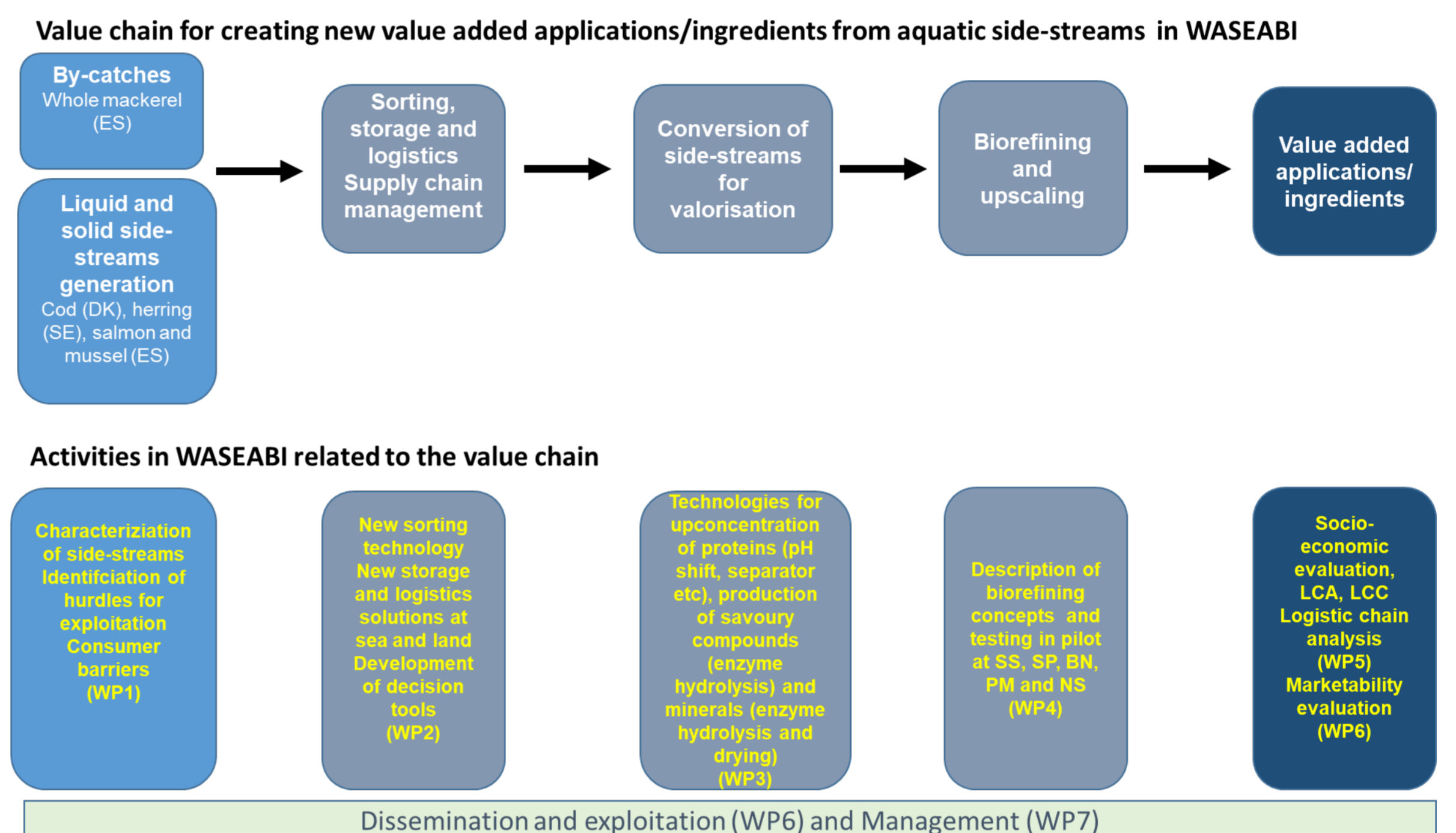
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Introduction

The aquatic biomass processing sector is a crucial part of the seafood value chain. Regarding the seafood processing industry, the current exploitation of the aquatic biomass is hampered by inefficiencies as up to 70 % of the aquatic resources end up as byproducts/side-streams, which are used either for low-value purposes or, in worse cases, wasted. In order to utilise this currently unexploited or poorly exploited biomass for more high-value purposes, acceptance for the biomass per se, maintenance of its quality as well as upscaling and implementation of the value-adding technologies currently mainly available at laboratory level to industrial scale is required. Crucial for success in all these parts is that hurdles and bottlenecks related to transportation, handling and storage of this unexploited biomass need to be overcome.

The hurdles will be identified in WP1. Results will be used to develop technologies to overcome the hurdles.



The objectives:

In WP1, the main objective is to identify hurdles and bottlenecks that prevent exploitation of side-streams and by-catches as exemplified by the selected cases. The sub-objectives are to:

- describe and chemically characterize the side-streams generation in fisheries, aquaculture and aquatic processing industries and by-catches in the fisheries.
- detect current hurdles and bottlenecks that prevent the implementation of valorisation solutions in the participating companies.
- map consumer knowledge and consumer barriers and motives for using ingredients from side-streams food production.

The work is divided in three task;

Task 1.1 Identification and description of side-streams.

Output: Obtained knowledge and the results from the compositional analyses will be used in WP2 and WP3.

Task 1.2 Identification of hurdles and bottlenecks

Output: A map of the hurdles and bottlenecks. This will be used when planning the case studies in WP2, 3, 4 and 5.

Task 1.3 Consumers' barriers and motives.

Output: Improved understanding of the link between consumer barriers and motives and their actual demands. This will be used for planning the work in WP3, 4 and 5.

The project is ongoing! Read more on: <https://www.waseabi.eu/>

CONSORTIUM

COORDINATOR



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