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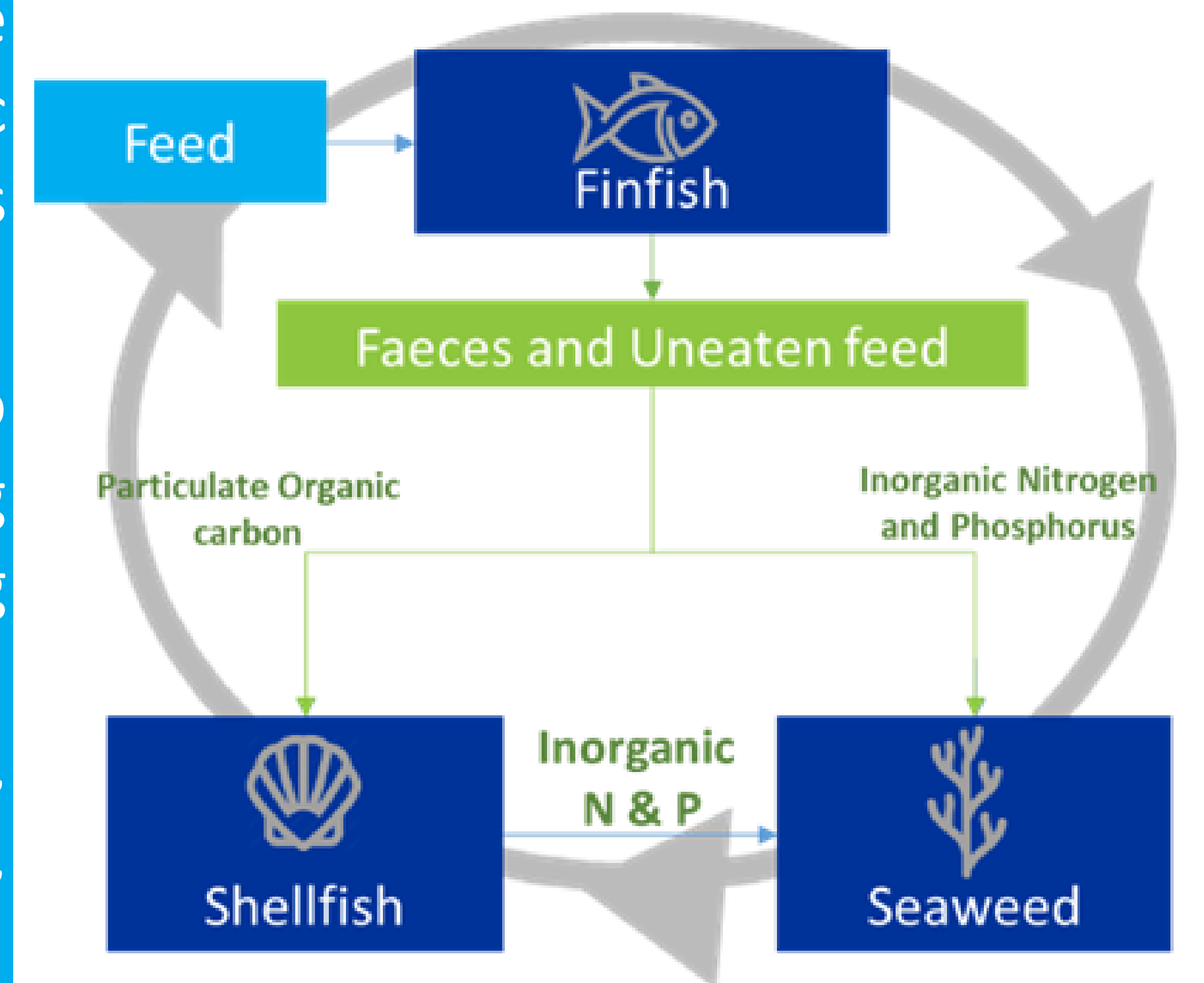
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The context and the project

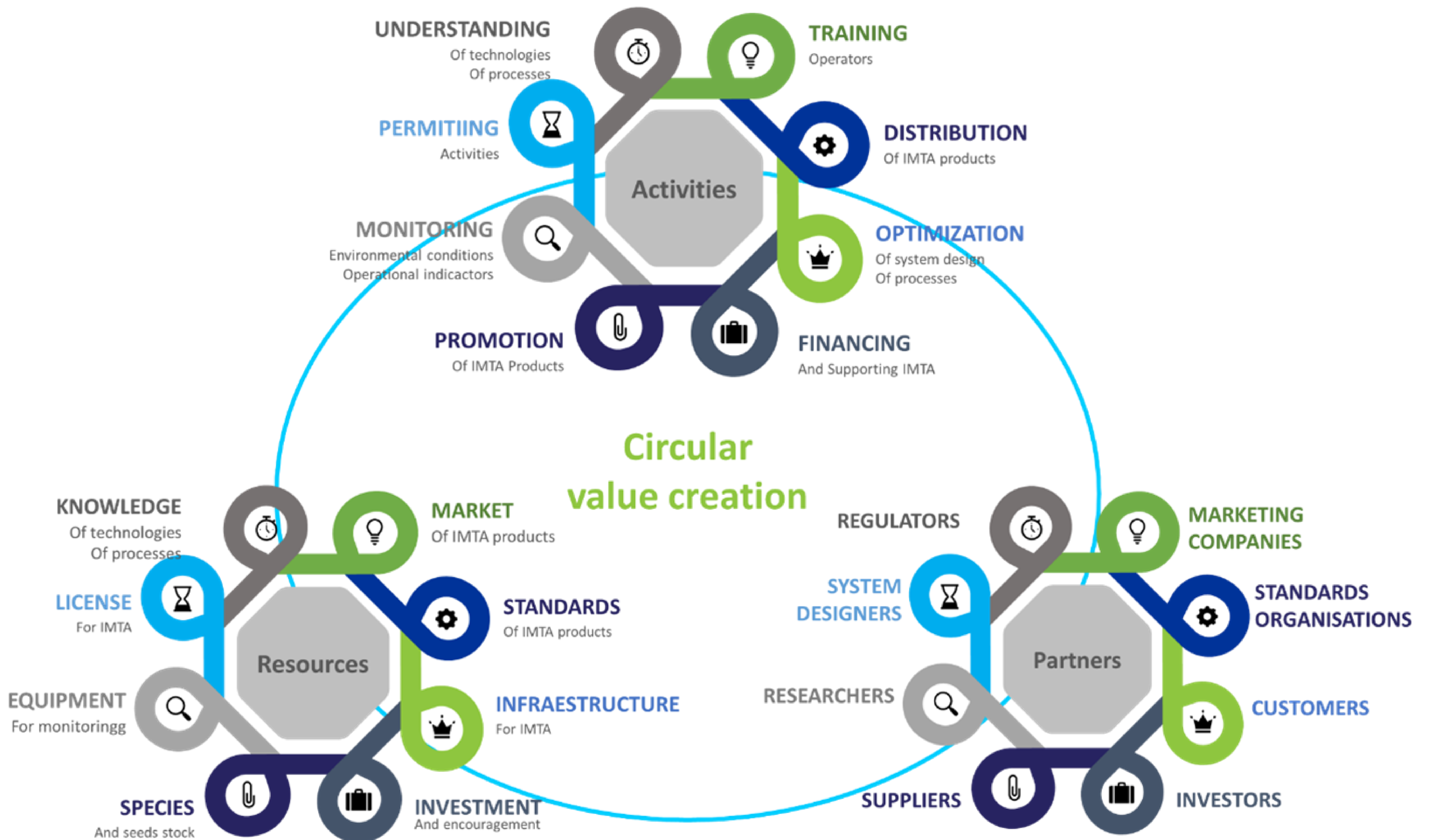
Integrated Multi-Trophic Aquaculture (IMTA) is a promising solution for the sustainable development of aquaculture. IMTA meets exactly the characteristics of organic feedstock Circular Economy Business Model, where biomass conversion provides inputs for other production processes.

In IMTA, the value creation results from the ability of the production systems to support the processing of organic waste that can be used as production input, moving from monoculture to circular processes and boosting the sustainability in the long term.

The Horizon 2020 project IMPAQT aims to support IMTA by developing modelling tools, as well as new and emerging technologies, which enable economically, environmentally, and socially sustainable aquaculture development throughout the EU.



Creating circular business models



The multi-trophic system is analysed through 6 IMTA pilots sites, in order to evaluate how circular value is created and delivered by closing resources flows. Whenever the IMTA is properly designed and implemented, the circularity of nutrients is guaranteed. A framework for the development of circular business models is finally provided (image above), identifying key activities, resources and partners that enable the circularity within the systems.



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