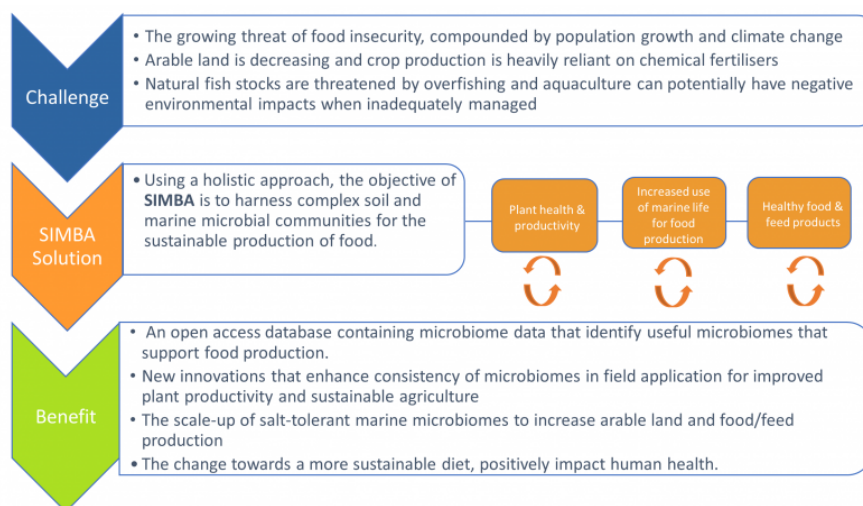




SIMBA Sustainable Innovation of Microbiome Applications in the Food System

SIMBA is an Innovation Action project, funded under the EU’s Horizon 2020 Funding Programme (grant number 818431), which provides a holistic and innovative approach to the development of microbial solutions to increase food and nutrition security. SIMBA focuses on the identification of viable land and aquatic microbiomes that can assist in the sustainability of European agri- and aquaculture.

The threat of food insecurity is a critical global challenge, compounded by climate change and population growth. Forward-thinking solutions are needed to meet this challenge. One potential area for exploration is microbiomes: communities of microbes (bacteria, viruses, fungi, etc.) in a certain environment. Microbiomes are known to regulate the productivity and health of major food sources across land and sea. Therefore, they can play a positive role in food production, and food and nutrition security, ultimately influencing human health. However, we lack a deep understanding of the microbiomes associated with our food systems.



Focusing on crop production and aquaculture, the SIMBA project intends to:

- Get a better understanding of microbiome structures and functions, related to land and sea, and food chains.
- Verify the sustainability of microbial innovations of the food systems as a whole.
- Create a better EU Agri-Aqua-Food system that is resource efficient, climate resilient, sustainable and consumer centered.
- Improve the overall knowledge of microbiomes from land and sea towards the market needs in areas where applicability and readiness are not yet visible.

- Bring new and cost-effective commercial applications to the market that assist different stages and processes throughout the food chain by 2025.

For more information, please visit simbaproject.eu or follow [@SIMBAproject_EU](https://twitter.com/SIMBAproject_EU) on [Twitter](https://twitter.com).