

FAMOS Project

Sustainable, Reliable and Socially Acceptable Modular Floating Islands for Multi-use Offshore Spaces

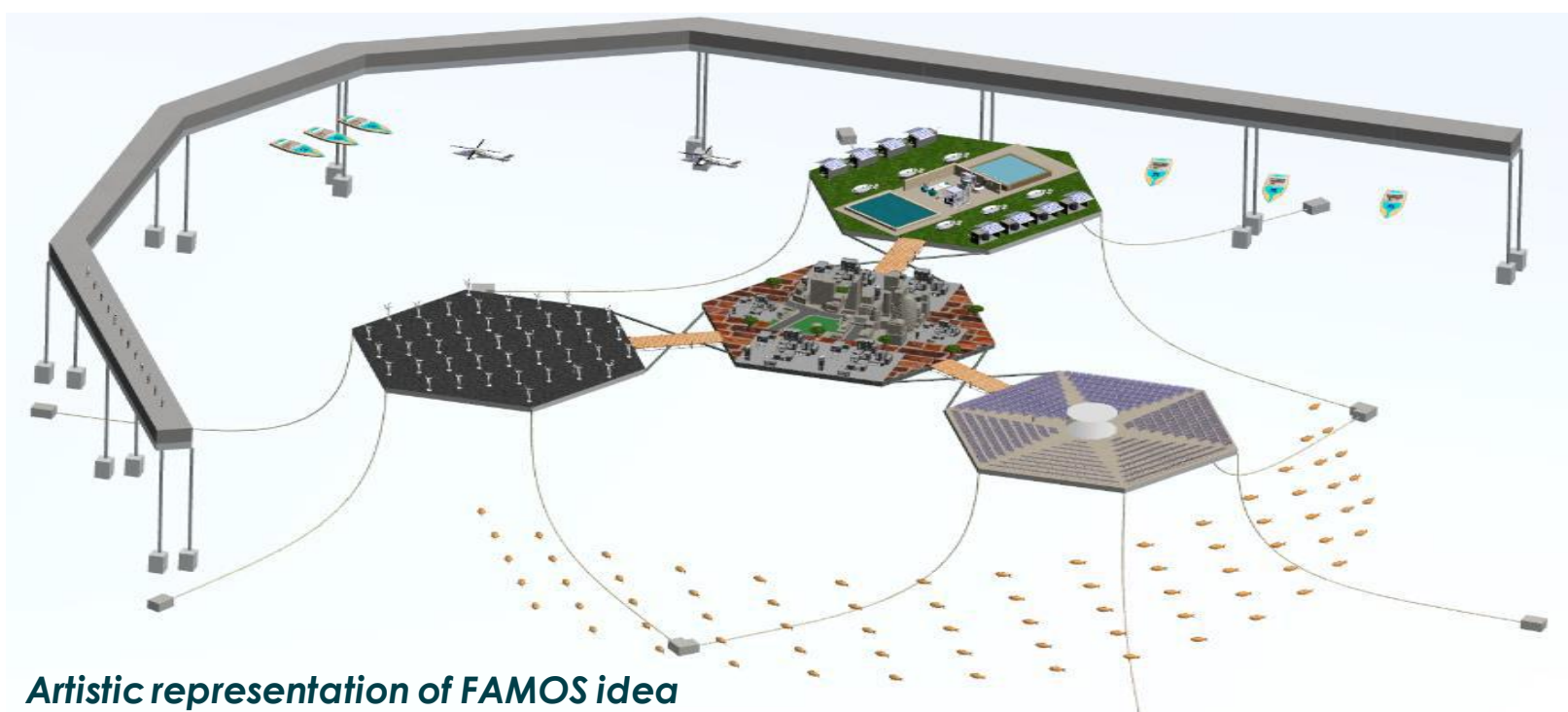
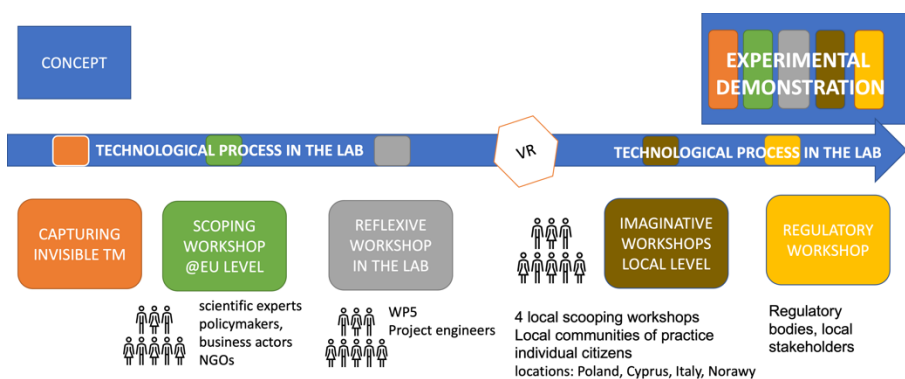
FAMOS aims to develop a sustainable, reliable and socially acceptable conceptual design of modular floating islands for the creation of multifunctional sea areas in deep water and fully exposed conditions.

“ The growth of the world’s population over the past decades has been impressive. Present estimates show that the process is likely to achieve a peak of 11 billion within the next 100 years. Such massive growth implies an ever-increasing need for space (urban, infrastructural, industrial), resources (water, energy, food) and economy. The ocean plays a crucial role in this challenge. From our perspective, pivotal questions include: is humanity ready to live on the ocean surface due to a lack of functional land? How do we create sustainable, reliable, and socially acceptable multi-use offshore spaces?



The following points are addressed by FAMOS:

- 1) Technological development of innovative floating island concepts that can withstand extreme wave conditions typical of fully exposed offshore sites of the Mediterranean Sea, the North Sea, and the Baltic Sea.
- 2) Integration of marine renewable energy devices (e.g., wind, solar, waves) with floating foundations, mooring systems, and protective floating breakwaters.
- 3) Social acceptance of the floating island solutions with reduced risks of conflict between different users.
- 4) Climatological evaluation of the offshore regions for deployment of future floating islands.



Artistic representation of FAMOS idea