

# Smart Floating Farms

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Smart Floating Farms (ES)

By 2030 Urban areas are predicted to grow 185% and approximately 35 out of 47 megacities have a physical water access or water body nearby, which can be used as a productive space. A growing number of people in cities are concern of what they are eating and how their food has been produced, basically consuming today loads of imported food which has potentially travelled long distances, causing CO2 emissions (transport). On the other hand, we see how climate change is affecting our planet and natural disasters are everywhere (hurricanes, earthquakes, flooding, droughts, water levels, etc.). This project opens a new window, a complementary solution to other existing food production methods, thinking ahead on our planet.

We aim to help reduce food production associated problems via an off-grid, modular and replicable set of Food production floating platforms, that combine market existing technologies - Hydroponics, Aquaculture and Solar energy- to bring healthier food production to people in growing cities and at a global scale. These modules can be located directly on city water bodies (rivers, lakes, calm seas, etc.), selling well controlled and produced crops and fish, using only renewable energy (off-grid). This will contribute to a healthier diet at a market competitive cost, reducing our environmental impact while producing close-by food. With the support of specialists on the different fields, we aim to build a smaller scale prototype, potentially starting in Europe.