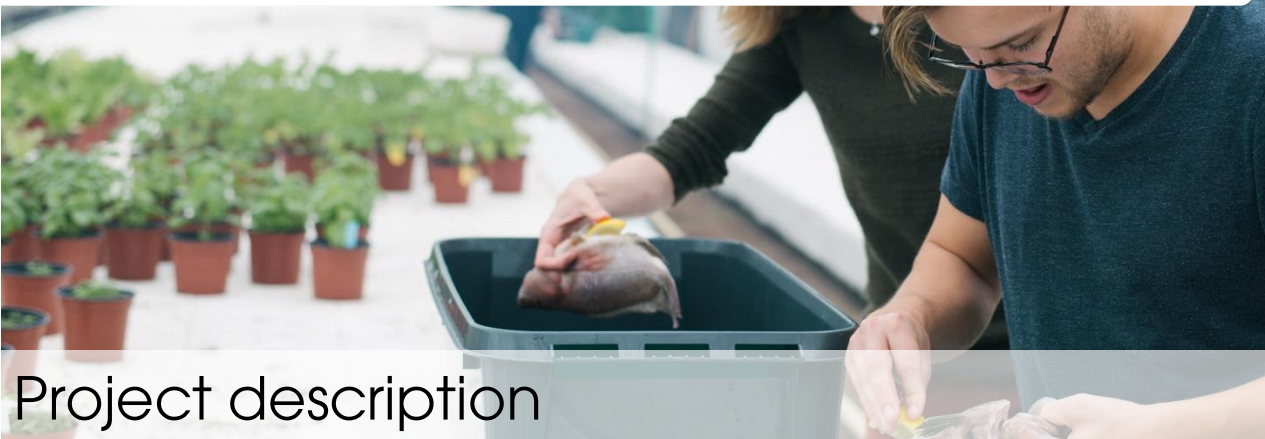


Regeneration across generations

Socially Inclusive & Sustainable Development of the Atlantic Seaboard

SUPPORT TEAM for the
ATLANTIC ACTION PLAN

Atlantic Project Awards 2017 candidate



Co-funded by the Eco-Innovation
Initiative of the European Union

Project description

"[Samrækt](#)" (grow together) is the Icelandic translation of the English word aquaponics, a combination of the words aquaculture (cultivating fish) and hydroponics (growing plants in water without soil). The eco-innovative technology behind aquaponics is the combination of the two production systems into a single one, driven by a microbial ecosystem that assists in converting fish effluents into usable plant nutrients while helping deliver plant nutrients across root cell walls. In an aquaponic system, water is kept in circulation. Waste water from the fish is used as nutrients source allowing for plants to grow, which in turn cleanse the water before being returned it to the fish.

The objectives of the [EcoPonics](#) project was to develop commercial aquaponics systems in Spain, Denmark and Iceland and to establish a collaboration platform for SMEs in Europe for the future development of this sustainable circular food production technology.

Outcomes of the project

- A 6,000 m2 commercial unit built in Hondarribia Spain, the largest aquaponics farm in Europe.
- Two pilot units in Iceland and Denmark developing to commercial size production systems.
- Results dissemination through an "Aquaponics Guidelines" booklet, [peer reviewed articles](#) and presentations.
- The Association of Commercial Aquaponics Companies (ACAC) established in 2016, already gathering 27 SMEs from 14 European countries.

Interact with the project

Lead partner

svinna
VERKFRÆÐI EHF

Social media

