



FARNET TRANSNATIONAL SEMINAR FOR FLAGS WEIDEN, GERMANY 20 – 22 NOVEMBER 2017 Integrating aquaculture within local communities

Tomatofish

MECKLENBURGISCHE
SEENPLATTE-MÜRITZ FLAG
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CONTEXT

- The project shows an innovative way to produce fish and tomatoes in one system and to reduce water use and energy
- The aim is also to provide a demonstration for visitors to help them understand the process
- The fish and tomatoes come from the fish outlet center 50m away
- Location: Waren/Eldenburg



OBJECTIVES OF THE PROJECT

- The project bring innovation for fish producer
- The project brings more fish for the company because the inland water fishery is restricted through predators (cormorants) and a high water quality.



PARTNERS

Activities: The module was built by private companies. As a demonstration project it was financed to 100% of a scientific budget.

The fishery company provided the space for the research facilities. The company produces and shares its experience and the data to the cooperation partner, an institute of water ecology and inland water fishery (IGB Berlin).







































METHODOLOGY

- Time of construction: October 2015 June 2016
- Start of production: June 2016
- First catfish produced were harvested in December 2016
 - From this time on, approx. 2t of fish per month should be harvested
- The cooperation, research, demonstration and tests will conclude in end of December 2017
 - Afterwards, fishermen to produce using their own methods
- Today it is open, what kind of fishes and plants they will use
- Possibilities
 - fish: tilapia (*Oreochromis niloticus*)
 - vegetables: gherkin, chili, basil



METHODOLOGY





METHODOLOGY

Details:

- Fish production with 200 m²
- 12 modules with 26 m³ volume
- Glasshouse for production of tomatoes in substratloss hydroponicsystem with 400 m² space
- Fish: Clarias garipinus → 24 t/year
- Tomatoes: Puritza → 11 t /year
- Jobs: 1,2
- Investment costs: 700 000 Euro



RESULTS

- The project bring fresh regional fish and tomatoes to the community
- The aquaponic system is innovative
- It is a highlight in the region
- It is an example for transparent production for fishermen

