

# “Tomato fish (Tomatenfisch)” – Education for sustainable development, a project at FEZ Berlin

“Tomato fish (Tomatenfisch)” was presented during Science Year 2013 and imparts information about new forms of food production in a circular loop system. The aim of the project is to raise awareness for the protection of the resources energy and water and to present new possibilities for food production in urban environments.

Under the banner of “Learning is fun at FEZ (Lernen macht FEZ)”, FEZ is the Berlin partner for extracurricular programmes in the Berlin region. Groups, school classes, school years or entire schools are invited to use FEZ Berlin for educational projects.

The “Tomato fish (Tomatenfisch)” in the mini-rain-forest on the Ecological Island in FEZ is a showcase for aquaponics – in cooperation with the Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), the German Federal Ministry of Education and Research (BMBF) and Innovative Aquaponics for Professional Application (INAPRO).

The fundamental idea behind aquaponics is to use all waste products from an aquaculture system – such as faeces and carbon dioxide from fish breeding – as nutrients in vegetable production. A closed system will ideally be created that operates in a fully emission-free manner.

The Leibniz-Institute built the demonstration rig for educating people about the aquaponics project. Care and maintenance of the systems is carried out by the staff of the nursery and by young people doing their volunteer ecological year.

Families and other interested visitors can find out more for themselves on the touchscreen terminal. Since May 2013, events have been held for various target groups to provide education on sustainable development.



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- 1 Schoolgirl examining small organisms in water using a microscope
- 2 Handout for schoolchildren
- 3 Tilapia at a viewing porthole

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