

# Brokerage Event

Food Security | Sustainable Agriculture and Forestry |  
Marine, Maritime and Inland Water Research |  
Bioeconomy | KET-Biotechnology |

**Brussels, 15th November 2017**



Sustainable Food Security

***wiwa!***

***(wild, in landscape, waters, aquaculture and terrestrial farming)***

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**Commune of Argenta**



**[www.ncp-biohorizon.net](http://www.ncp-biohorizon.net)**

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**The expertise possessed:** 2014-15 first research in Campotto Marshes (Ramsar 1991), monitoring inland freshwater; idiogenic plants and native fish.

**Project idea / objectives:** promote Campotto Marshes, the 6<sup>th</sup> station of Po Delta Park:

- a) **aquaculture and research, safeguarding the autochthonous ichthyic fauna**, such as Italian pike and tench, endangered by exotic species like the omnivorous *Silurus glanis*
- b) **link nursery plants with aquatic habitats** to grow these species in nature
- c) **wild edible herbs for gastronomy and medicinal research** (officinale)

**The existing partnership / consortium** (currently all-Italian): **Commune of Argenta (coordinator)**, addressing bioeconomy and sustainable development policies between public and private actors; **University of Ferrara**, direct research; **Po Delta Park**, biodiversity; **Consorzio della Bonifica Renana**, the hydraulic authority of the vast area from Apennines to Campotto, where waters arrive in the race to the Adriatic Sea; **small entrepreneurs and farmers** for production chains

**Requirements:** 2-3 additional partners from EU Member States; we are also available as a partner in other consortia



## Priority:

**1) Resilient farming systems:** aquaculture in freshwater, connecting the nursery fish farms with natural aquatic habitat;

**a) extreme weather** - monitor climate changes that influence the health of autochthonous fish species, resilience and reproduction

**b) risk management** - contrast the aggressiveness of exotic species in aquatic habitats; study pollutants from large-scale agriculture in water; introduction of barriers to chemical fertilisers

**c) landscape design** - improvement of the aquatic plant communities as a refuge and nursery for ichthyic fauna; creation of islands/gardens of wild herbs to beautify the landscape and for food use

## Alternatives:

2) Terrestrial and aquatic livestock (find mutual practices not necessarily the same farming and area profiles)

3) Sustainable European aquaculture: nutrition and breeding

## Relevant past / ongoing projects:

**Three 'Life Nature' projects:** 1994 - Biodiversity; 1996 - "Birds" (ornithofauna); 2003 - "Habitat" (minor fauna, bats, reptiles and amphibians)

**Cultura 2000:** 2004 - Water engineering, coordinator Norrköping Municipality (Sweden)

**Rural Development Programme of Emilia Romagna Region and LEADER funds:** 2013 -2017 interventions in water economy, wild landscape care, natural routes, depopulation of rural areas





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**Country: Italy**

**Region: Emilia Romagna**

For more information about the first phase of research in the Campotto Marshes (2014-2015) visit:

<http://www.comune.argenta.fe.it/44/964/area-riservata/wiwa>

