

# Ecological intensification of fish farming: the PISCEnLIT project

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# **Ecological intensification of fish farming : the PISCEnLIT project**

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For the 21th century, all agricultures of the World will have to take up the challenge : how to feed all the population of the world? Because of the demographic growth and the restriction of resources, production systems have to become more efficient and respectful for environment. That is to say: it is necessary to develop methods for an ecological intensification of production systems. In this framework and in the global context of fisheries, pond fish farming has an important role to play.

PISCENLIT is a project which study the different ways for an ecological intensification of fish farming systems (including ecosystemic services management).

## **PRESENTATION OF PISCENLIT**

#### It is an international project.

#### Sites



#### **Objectives**:

- to assess the ecosystemic services related to pond culture system (surveys)

- to define the conditions of an ecological intensification implementation

#### **PISCEnLIT** uses an interdisciplinary approach.

#### Main tools :

 Tools of environmental analysis (environmental Life Cycle Assessment : LCA + emergy analysis : analysis of energetic flows)

- Tools of innovation economy (social and economic LCA)

- Study of biodiversity, ecosystemic services and their perceptions

## Project's organization :

Three years :  $2010 \rightarrow 2012$ Six tasks :  $T1 \rightarrow T6$ 



### MATERIALS AND METHODS FOR T1 TASK



4th Conference of the European Pond Conservation Network (EPCN) Berlin (Erkner), Germany, 1st - 4th June 2010