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Ecological intensification of fish farming : the PISCEnLIT project

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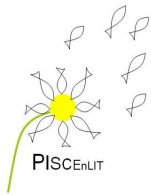
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INTRODUCTION

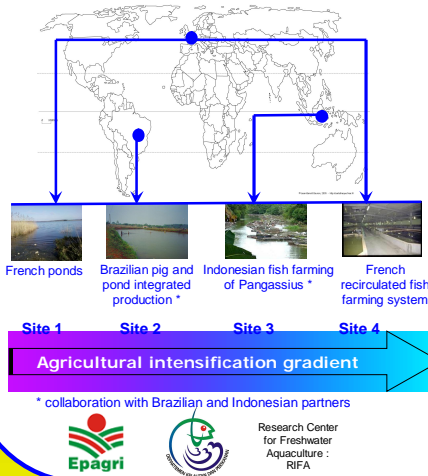


For the 21th century, all agricultures of the World will have to take up the challenge : **how to feed all the population of the world ?** Because of the demographic growth and the restriction of resources, production systems have to become more efficient and respectful for environment. That is to say : 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

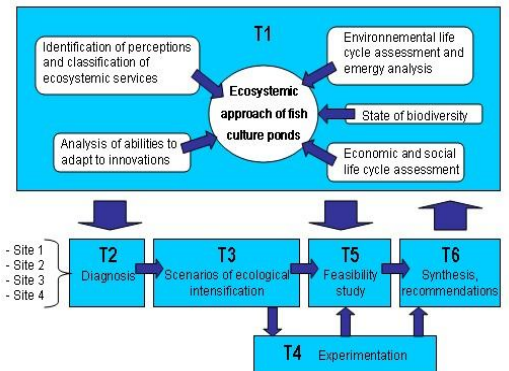
PISCEnLIT uses an interdisciplinary approach.

Main tools :

- Tools of environmental analysis (environmental Life Cycle Assessment : LCA + energy analysis : analysis of energetic flows)
- Tools of innovation economy (social and economic LCA)
- Study of biodiversity, ecosystemic services and their perceptions

Project's organization :

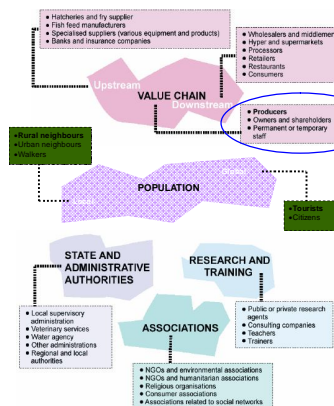
Three years : 2010 → 2012
Six tasks : T1 → T6



MATERIALS AND METHODS FOR T1 TASK

T1 : Surveys

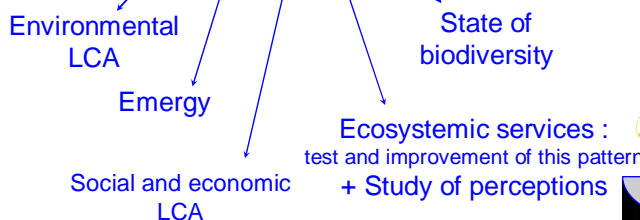
Different kinds of people were concerned :



Current priority :

- fish producer surveys : elaboration, test and practical application

Results of surveys



Preliminary identification of ecosystemic services from fish farming ponds

