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Ecological intensification of fish farming : the PISCEnLIT project

Julie SIMON ¹, Jérôme LAZARD ², Hélène REY-VALETTE ³, Pascal FONTAINE ¹, Syndhia MATHE ³, Eduardo CHIA ⁴, Jean-Paul BLANCHETON ⁵, Marc LEGENDRE ⁶, Yann MOREAU ⁶, Domenico CARUSO ⁶, Gérard MASSON ⁷, Aurélien TOQUEVILLE ⁸, Aurélie WILFART ⁹, Joël AUBIN ⁹

¹ UR AFPA, Nancy Université – INRA, Nancy, France.

² UPR 20, CIRAD, Montpellier, France.

³ LAMETA, UMR CNRS, UM1, INRA, Montpellier SupAgro, France.

⁴ UMR Innovation INRA-CIRAD, Montpellier, France.

⁵ IFREMER, Palavas-les-flots, France.

⁶ UR CAVIAR, IRD, Montpellier, France.

⁷ Université Paul-Verlaine, Metz, France.

⁸ ITAVI, Paris, France.

⁹ UMR SAS, INRA, Agrocampus Rennes, France.

contact : pascal.fontaine@isa-man.uhp-nancy.fr

INTRODUCTION

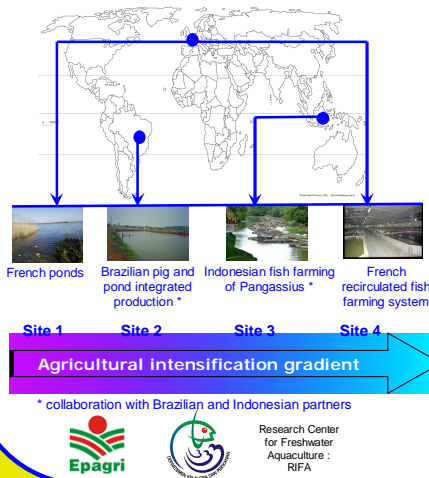


For the 21th century, all agricultures of the World will have to take up the challenge : **how to feed all the population of the world ?** Because of the demographic growth and the restriction of resources, production systems have to become more efficient and respectful for environment. That is to say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

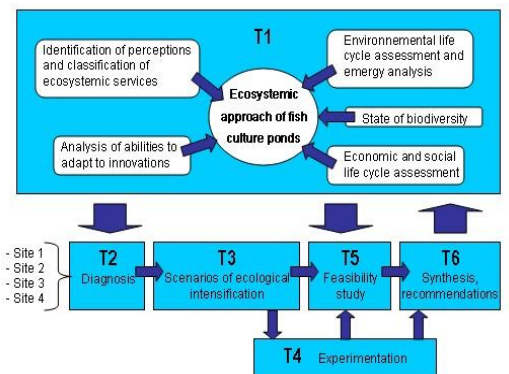
PISCEnLIT uses an interdisciplinary approach.

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 :

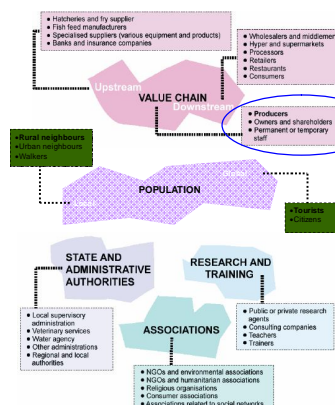
Three years : 2010 → 2012
Six tasks : T1 → T6



MATERIALS AND METHODS FOR T1 TASK

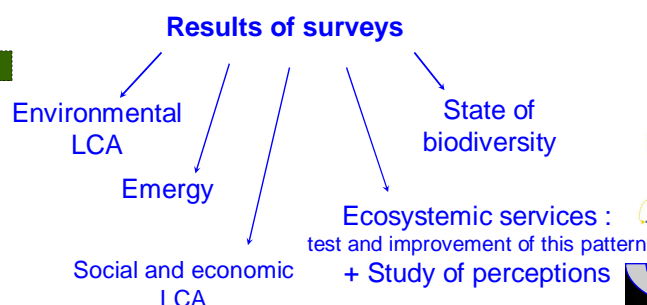
T1 : Surveys

Different kinds of people were concerned :



Current priority :

- fish producer surveys : elaboration, test and practical application



Preliminary identification of ecosystemic services from fish farming ponds

