



PLIAGES

Pathway **with** ex-
ploratory project
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Coordination

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Circularity
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Promoting circularity and local roots in organic pig farming

Although currently fragile, the organic pork sector has many advantages that are conducive to its development. Consumer demand for pork products is high, fueled by a wide variety of processed products. Since pigs are omnivores, they can benefit from a wide range of co-products. They produce few greenhouse gases and their manure can be used to fertilize crops. Pig farming is highly complementary to ruminant livestock farming and crop production. These interactions between systems can help optimize the supply of animal and plant proteins at the regional level.

Subsequent to the work carried out by the previous ORIGAMI consortium (METABIO 2021-2022), which, in particular, identified all the barriers and drivers for the development of organic pig farming, the PLIAGES initiative aims to explore the following question in greater depth: How does the regional anchoring of organic pig farming sectors contribute to the transition dynamics of regional agri-food systems (RAS)? The hypothesis is that the presence of organic pig farming would optimize resource use at the farm and micro-regional levels, and enhance the services provided by the production of a wide range of food and non-food products. The objective of this research pathway is therefore to establish and test, across diverse regions, an analytical approach to assess the role of organic pork in RAS.



INRAE units

PEGASE, Rennes

AGIR, Toulouse

GENPHYSE, Toulouse

BAGAP, Rennes

SADAPT, Palaiseau

ASTER, Mirecourt

MOISA, Montpellier

SAS, Rennes

GENESI, Rouillé



Partners

IEP Rennes

CRD Sherbrooke, Canada

PLIAGES consists of three phases:

1. A definition of the conceptual and theoretical frameworks. This includes, in particular, an inventory of tools for assessing complementarities at the farm level and their links to the components of a region. The selected tools will be tested at the INRAE Porganic (UE Genesi) and Mirecourt (UR Aster) experimental sites, which have very different sectoral and regional contexts;
2. The design of a research approach based on the results of the first phase, which will be tested in three distinct regions: Lorraine & Haute-Marne, Brittany and Occitania;
3. The synthesis and analysis of the results, particularly regarding the factors conducive to the presence of integrated pig farms in RAS.

This approach can be implemented by stakeholders who wish to maintain or strengthen organic pig farming in their regions. PLIAGES consists of an interdisciplinary consortium that combines expertise in the technical sciences, the humanities and the social sciences, working hand-in-hand with stakeholders in the sector and local communities.

