



Support agroecological transitions for orphan crops

Marie Bezard, Nadine Andrieu, Carla Barlagne, Valérie Angeon, Jean-Louis Diman, Harry Ozier-Lafontaine

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Research Team

UE PEYI

Marie BEZARD, Nadine ANDRIEU,
Carla BARLAGNE, Valérie ANGEON,
Jean-Louis DIMAN & Harry OZIER



Support agroecological transitions for orphan crops

Hybridization and knowledge creation for plantain in Guadeloupe

Plantain Banana
(*Musa* spp. AAB)

- ✓ A crop for local market
- ✓ But few research studies
- ✓ Important knowledge gaps

How to generate and aggregate knowledge required to understand the innovation dynamics that can support agroecological transitions ?

1

Start with a *scale* known to the farmers and Use a *method* to bring out and aggregate accessible to researchers

Plantain farms & cropping systems

Co-design & semi-structured interviews

Characterize the **diversity** of existing practices and strategies
Identify the **knowledge gaps** hindering to the agroecological transitions

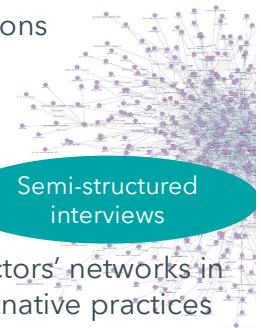
Ecophysiology

2

Plant
Controlled conditions
Optimize an on-farm plantain multiplication and sanitation technique

Mobilize other disciplines to fill the knowledge gaps

Sociology



3
Understand the role of actors' networks in the dissemination of alternative practices

The benefits of a multi-scale and transdisciplinary approach ?

Combining scientific and non-academic knowledge it allowed to identify and design technical and organizational alternatives for orphan cropping systems (plantain-based systems) in Guadeloupe

Socio Technical System

4
Semi-structured interviews, Image Analysis and Prices



Economy & Geomatic
Study the role of the dominant system in agro-ecological transition dynamics within niches



Centre
Antilles Guyane

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Domaine de Duclos,
Prise d'eau,
97170 PETIT BOURG
Tél. : +33 (0) 5 90 25 59 00
<https://www.inrae.fr/centres/antilles-guyane>

marie.bezard@inrae.fr