



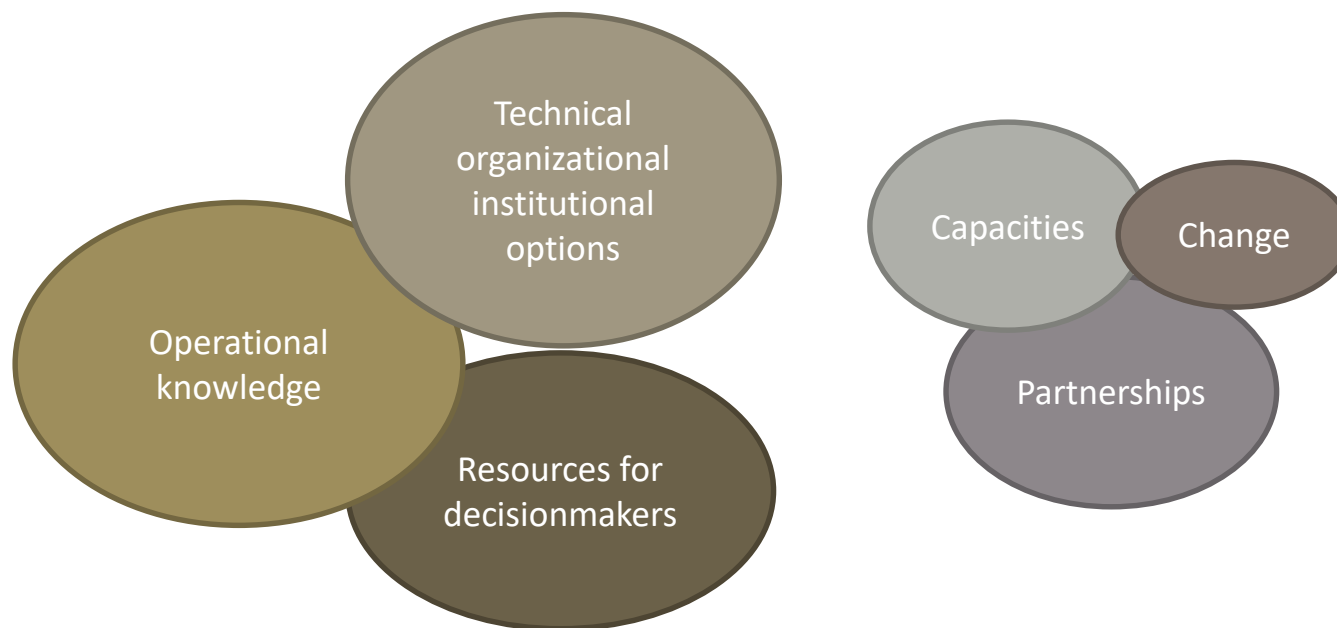
*Liberté • Egalité • Fraternité*

RÉPUBLIQUE FRANÇAISE



AGRICULTURAL RESEARCH  
FOR DEVELOPMENT

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5 research units potentially involved

**ArtDev** : Actors, Resources, Territories in Development processes

Areas : Geography, economics, sociology, political sciences

Focus : **Socioeconomic, political, territorial processes at play in development ; linkages between global transitions and local dynamics**

Objects, methods : public policies, asymmetries, family farming, structural transformation, governance, labour and employment, migrations, climate change, energy transition, agroecology, value chains, anticipation

**G-Eau** : Water Management, Actors, Uses

Areas : Geography, economics, sociology, agronomy, political sciences, hydrology

Focus : **Water resources management and governance at different levels**

Objects, methods : irrigation, ground water, reuse, public policies, governance, collective action, multiple use, water basins, innovation processes, water-food-energy nexus, modelling, participation and decision processes

## Actors, Resources and Territories in Development

Global question: how the change processes rely on the generation and utilization of both material and immaterial resources by various stakeholders?

- **Main challenges:**

- African structural transformation in the context of global change (with a focus on territorial dynamics and development strategies)
- Making local governance more future-oriented and more inclusive
- Labour migration and effects on regional development

- **Activities:**

- Study and action-research on governance processes (local, multi-level governance and future-oriented emancipatory governance)
- Research on the potential of territorial approaches for increased stakeholders' ownership (with a specific attention to food systems governance and relocalization of value chains)
- Research on how to mainstream migration and rural urban linkages in policy design

Global question: Managing water (quantity and quality) and water-related ecosystems in a context of increasing water scarcity and global changes

- **Challenges / Activities**

- **Governance of water and water-related ecosystems**

- Integrated and multi-scale approach to analyze water resource management and water governance
    - Accompanying water stakeholders in adapting to global changes (participatory approaches, support design of water policies and governance)
    - Research on the debate about water quality issues

- **Alternative sources of water**

- Acceptability of re-used water (farmers and consumers' perspectives)

- **Management of water resources by farmers**

- Policy instruments to promote sustainable intensification

5 research units potentially involved

**MOISA** : Montpellier Interdisciplinary center on Sustainable Agri-food systems

- *Social sciences and nutrition*

Areas : Economics, sociology, political sciences

Focus : **Sustainability and innovation in food systems ; food security and nutrition ; bioeconomy**

Objects : public policies, regulations, institutional settings, risks, consumption, production, food markets, food safety, governance, value chains, strategies at play, collective action, family farming, food supply, urban food systems

**TETIS** : Territorial decision processes: spatial information, support and evaluation, impacts

Areas : Geography, economics, geomatics, data sciences

Focus : **Food production, health, territorial development, land governance,**

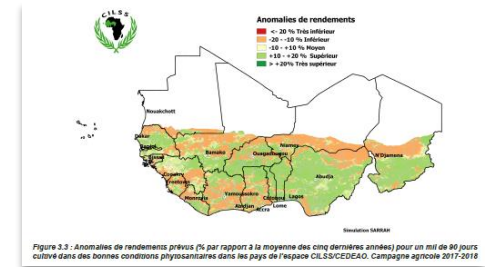
Objects : decision-making processes, risks and anticipation, ecosystem services, territorial governance and change, observatories, digital solutions

Methodo : action-research, modelling, landscape shaping, metrics, data mining

Global question : under what conditions can spatial information contribute to sustainable and inclusive territorial development ?

## Challenges/ Activities

- To improve Food security
  - Production of early warning systems and global assessment based on spatial and territorial information about agricultural systems
- To co-construct sustainable and inclusive territorial development paths
  - Development of Integrated and multi-scale approach to analyze natural resources management, agricultural systems and governance modes
  - Improvement of methodologies accompanying social changes (concertation, platforms)
  - Capacity building and expertise
- To innovate for appropriate policies and governance modes – focus on territorial and land policies
  - Co-construction of territorial observatories and information systems (monitoring at multi-scale, feeding policy debates)



5 research units potentially involved

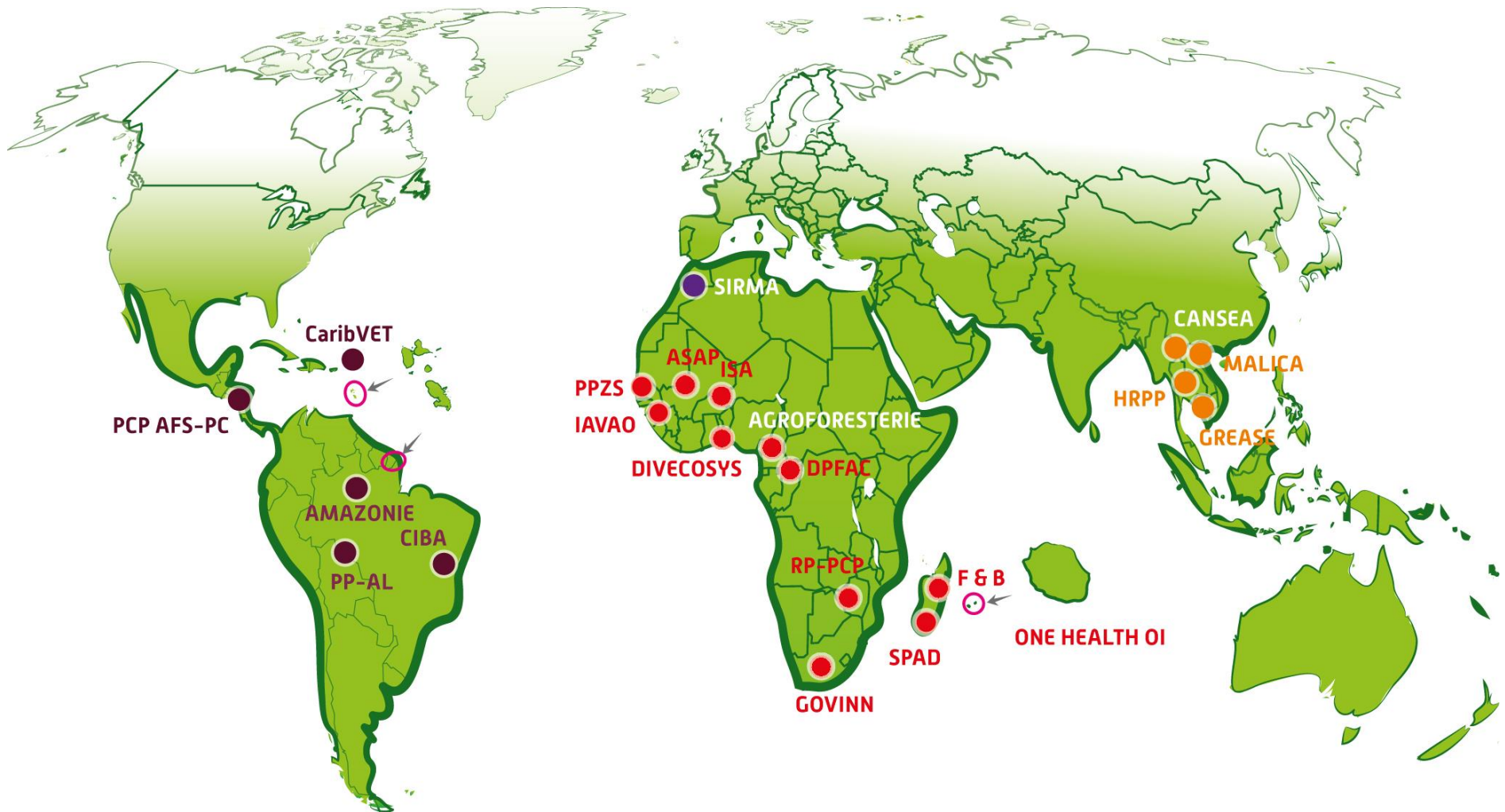
**AIDA** : Agroecology and sustainable intensification of annual crops

Areas : Agronomy, ecology, eco-physiology, mathematics & computing applied to modelling

Focus : **Farming system design and assessment**

Possible interface with Govinn: AIDA collaborates with environmental and social sciences to assess the sustainability of crop and production systems. As such it produces knowledge and knowledge-mobilization tools oriented towards improved governance of agricultural and food systems.

# Platforms in partnership for research and training (dPs)



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