



Climate resilient farming and forestry systems and water management



AGRI
Innovation summit 2019

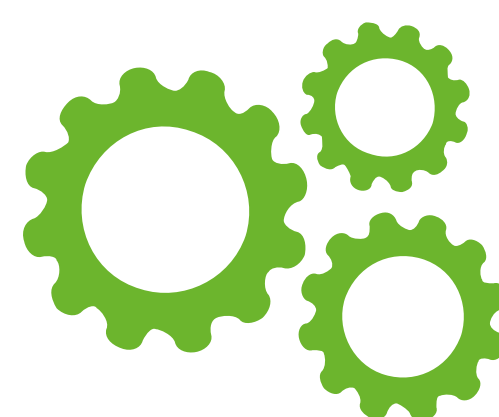


RMT SPyCE
Systèmes de polyculture élevage

Other Thematic Network

French network on Integrated crop-livestock systems (ICLS)

RMT Systèmes de PolyCulture-Élevage (SPyCE)



Practical problem

Specialization of productions and competences;
Controversy on the performances of ICLS;
Incomplete knowledge on ICLS dynamics, hinders and levers.



Partners

IDELE, INRA, ACTA + research and superior education
+ technical institutes + chambers of agriculture
+ technical education + cooperatives.



Calendar

Start: 01/01/2015
End: 31/12/2019



Budget

Total amount:
€360,000

Objectives of the project

- Agree on a shared definition between partners of ICLS at farm and territory level,
- Propose methods of characterization of the diversity of forms of ICLS, and revisit the typology of these systems for agricultural statistics,
- Objectify the performances of crop-livestock systems in terms of sustainability, resilience to climate change and economic ups and downs, efficiency, adaptive capacity,
- Gather some elements on the evolution determinants, hinders and levers to the support and development of ICLS,
- Sharing knowledge to favor a holistic approach of ICLS.

Main activities

On the thematic side, ICLS: • Are studied at farm and territory scale (cooperation and exchange between specialised farms) • With a dual approach: (1) exploratory: dealing with cross-cutting questions few studied (characterization and evaluation) through internships, (2) pragmatism: because oriented on the valorization of experiences (typology of collective initiatives);

- On the partnership and dissemination side,
- organization of annual seminars and symposium to highlight the work of support projects and partners, production and dissemination of publications and press release and valorization on the website;
 - projects setting up and certification to get more references and arguments

Expected results

The stakes are to: • federate works and labour forces that were scattered • couple the sectorial competences on crop or livestock in the AKIS to get a systemic global approach.

The aim is to address the conditions in which the crop-livestock systems are beneficial in agronomic terms, with good economic and environmental performances, and resilient.

Results so far/first lessons

- A structured AKIS community on ICLS,
- A winning Casdar project RED-SPyCE at farm level:
 - Tool NICC'El to assess the level of integration between crop and livestock – Technical, environmental (less N loss/better water quality) and socio-economic references on ICLS, resilience capacity arguments – Regional exercises of foresight,
- Grid and work of characterization of crop and livestock systems: typology of collective initiatives,
- National symposium in 2017 in Dijon, valorized in different media and publications,
- Education: – interventions in high education schools – construction of a common training module for advisers,
- Interventions in technical regional events or journals for farmers.

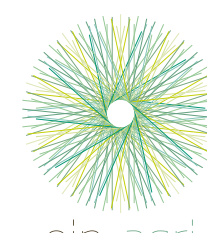
Who will benefit

Advisers, teachers, and indirectly: farmers in crop-livestock systems, but also organisations of the AKIS.

Supported by:



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More information www.reseaurural.fr/ais2019

