







DeSIRA-LIFT Learning Reviews

Understanding the contributions of research to innovation and sustainability transitions in DeSIRA

Lessons for future action

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The DeSIRA Initiative: activating sustainability transitions through research and co-innovation

The DeSIRA Initiative portfolio

- 80 research and innovation (R&I) projects
- 65 countries, 3 continents
- 2019 -2026
- EU contribution of €340,000,000.
- >1600 researchers involved
- >800 organisations involved, incl. 223 research org.

Expectations from research

- Solutions to complex problems
- not only as a provider of technologies
- More proactive role in designing and even managing transformative processes
- Accelerate answers to CC

Challenges for research

- Breaking silos
- Reconnect science to end users



- engage in multi-actor innovation partnerships and support innovation processes
- Impacting while transforming itself
- Through project-based approaches











Overall goal of DeSIRA-LIFT transversal learning reviews

To identify how DeSIRA projects have contributed to innovations and sustainability transitions and detect success strategies that can be replicated or further used by:

- Funders and beneficiaries: new investments in R&I
- Research organisations and their partners: improved partnerships for impact
- Project implementers, innovation practitioners; project formulators: upgraded project approaches

3 key learning questions:

- **1. How are DeSIRA projects addressing sustainability transitions?** (what focus and what strategies?)
- 2. What are research approaches, challenges and contributions to sustainability transitions?
- 3. What specific factors have contributed to successful project interventions? What could be improved?
- ☐ Expected results: upgraded models of action for project-based approaches in support of I&ST







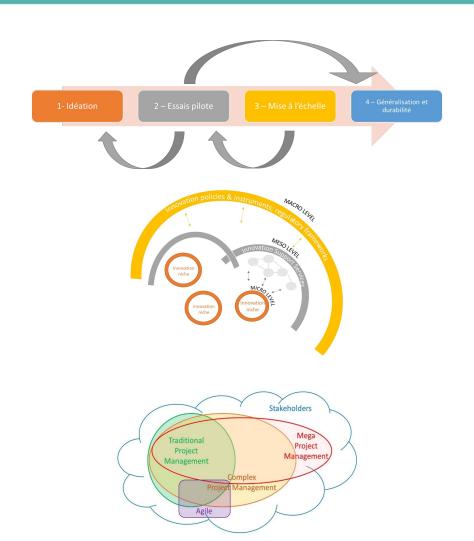


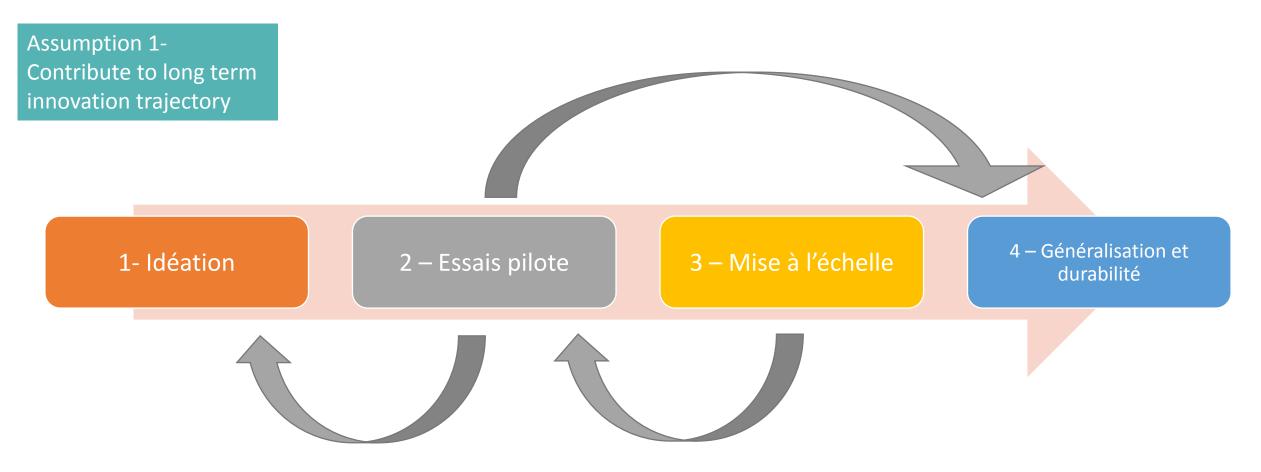
Learning Reviews - Overall analysis framework

Assumptions:

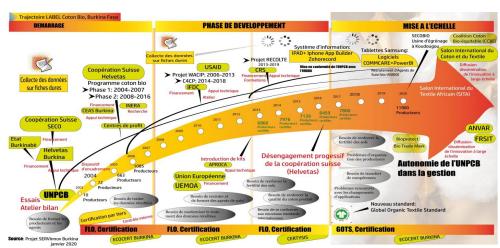
To make contributions to innovation and sustainability transitions, DeSIRA projects should:

- 1. Contribute to innovation trajectories
- Be embedded into national agricultural innovation systems
- Be equipped with managerial capacities specific to complex projects



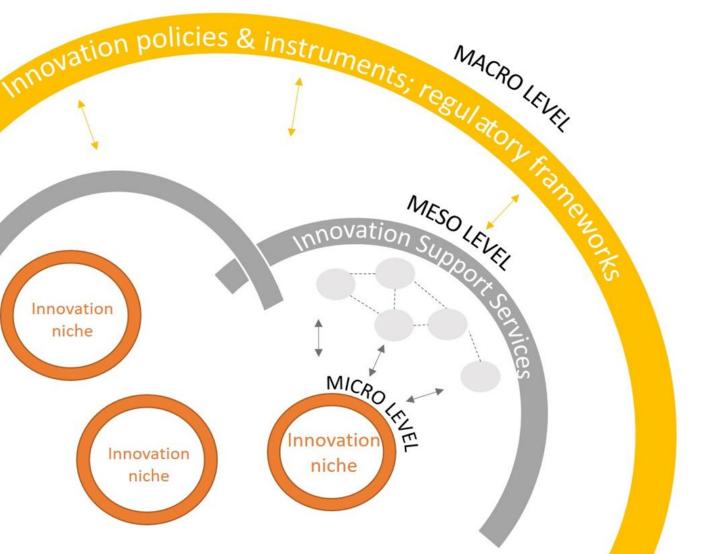


- Innovation is a non-linear and unpredictable phased process that takes time, beyond short term project duration
- Different types of research outputs are necessary at each phase



Assumption 2- Be embedded into natioal AIS

Mission-oriented national agricultural innovation systems drive innovation for sustainability transitions

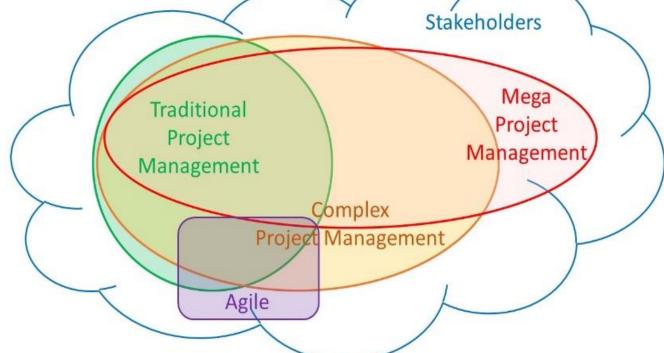


«Un système doit être géré. Il ne se gérera pas tout seul. Laissés à eux-mêmes, les composants deviennent des centres de profit égoïstes, compétitifs, indépendants et détruisent ainsi le système. Le secret est la coopération entre les composants vers le but commun » —W. Edwards Deming

Assumption 3- Be eqquiped with adequate managerial capacities

3- DeSIRA projects are « complex projects » acting as temporary organisations

- enormous scope, great number and diversity of stakeholders, and unprecedented transformational intent (Abers et al., 2017; Gil et al., 2019).
- multi-cultural, multi-country, multi- site, multi-organization, and multi-stakeholder temporary endeavors
- Taking place take place in complex, uncertain, volatile, and crisis-ridden contexts



Huge challenges of implementing a strategy through complex projects with deliverables that are contested and/or hard to quantify and measure.



Crucial success factors from litt.:

- partnerships and stakeholder engagement
- social capital and knowledge management
- gender mainstreaming
- adaptation, evaluation, and learning

Dynamic managerial capacities:

- Flexibility
- Open innovation
- Boundary management (AIS)
- Monitoring process & outcomes









Learning Reviews - Overall analysis framework

Methodology

- Meta-data on DeSIRA projects
- Analysis from secondary data (project documents, DLIFT databases) support from AI / data analyst
- Additional data collection on specific dimensions : short on-line questionnaires.

Ex: innovation survey

Interviews with project managers on specific dimensions.

Ex: ranking of « success dimensions » in project management and associated critical capacities.





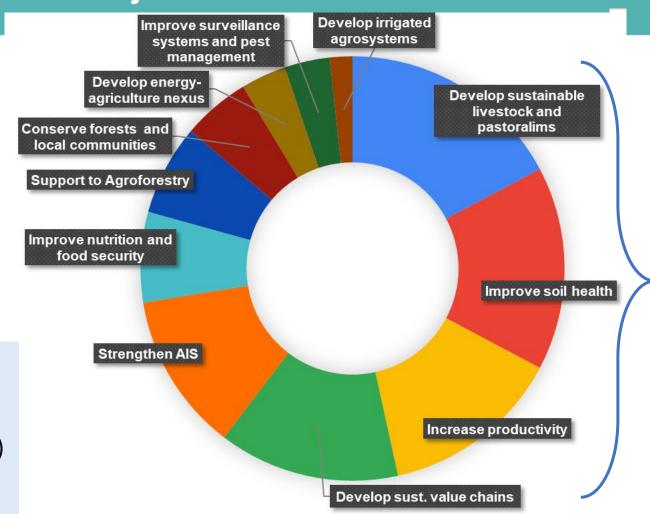




Result 1- Contribution to innovation trajectories

R1.1.: diversity - Projects
developed a variety of innovative
responses to 4 main problems:
Livestock development + improve
soil health + increase productivity
+ value chain development

- 72% have a **technological components**
- 85 % are multidimensional innovations (combination of new technologies, new organisations or services and/or new policies)
- 70% as part of a portfolio of several bundled innovations



60% of problems addressed

Trends driving the innovation agendas (problems addressed)



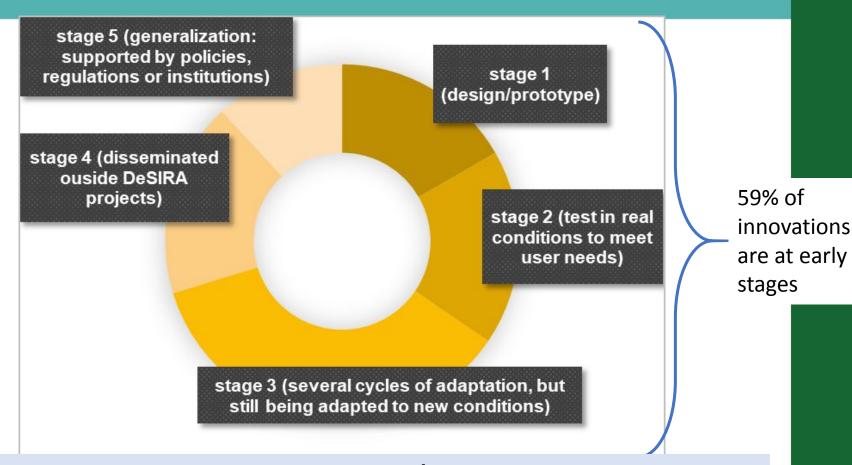






Result 1- Contribution to innovation trajectories

R1.2.: majority are « primary/pilot » exploration & experiments, that will need to be continued by development partners, when projects will stop



- For **54% of described innovations, projects are the first to work on/develop these innovations** in their intervention contexts (no preexisting trajectories *to their knowledge*)
- And 84% of projects are developing their innovations over **less than 5 years**

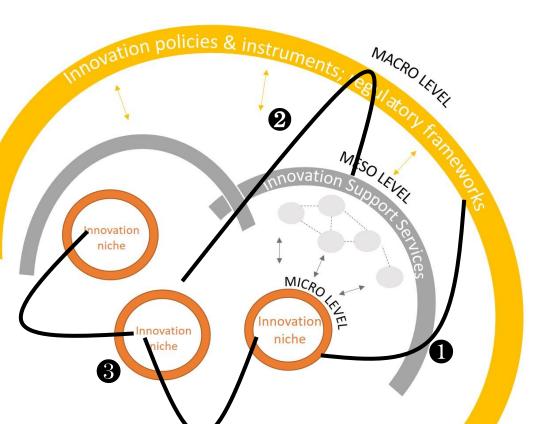








• R2.1.: 3 types of strategies deployed within AIS with key AIS stakeholders, and 3 levels of transformative intention



Niches to policy influence

2Changing the knowledge regime

3 Nursing seeds for transition









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|--|------------|---|---|--|--|--|
| Strategy – levels of intervention | | Strategy short description | | Knowledge use | Projects | Context |
| Niches To policy influence | Strategy 1 | Sequenced change approach from developing niches to influencing policies, fed by evidence and supported by trainings and joint learning opportunities | | Evidencing benefits of AE and pathways for change | IDEAS-ColombiaABRIGUEFAIR-SahelPRISMAS&T-Senegal | Countries where AE is accepted/su pported at national policy level |
| Niches Services Policies, institutions, education Changing the knowledge regime | Strategy 2 | Mobilizing policies/institutions/higher education, (and private sector) in support of innovation niches, thanks to coordination and engagement mechanisms | | Developing a joint understanding and vision for AET | Prosilience-Benin, Ethiopia STREAM Mongolia Asset –Lao PDR, Cambodia | Building on previous work |
| Nursing seeds for transition | Strategy 3 | Nurturing innovation niches (learning in/with niches and nursing seeds for transition) | | Codesigning local farming systems | Yayu CoffeeFORI-BrazilMARIGO, CdITAERA-Benin | Countries where AE is not well supported at national policy level |
| | | | | | | |









| | Strategy 1 | Strategy 2 | Strategy 3 |
|--|---|---|--|
| | Niches to policy influence | Changing the knowledge regime | Nursing seeds for transition |
| Main steps of the project intervention | Establishment of co-design facilities at local level (innovation platforms) Co-construction of new models Analysis of levers for scaling up Policy dialogue and advocacy, informed by research results Support to cross-sector learning / coordination & governance (forum, platforms) for sharing understanfing, vision, scenario [IDEAS, FAIR Sahel, DINAMICC] | Promoting an innovation portfolio as a solution to a shortage (biomass) / barrier Working at the community level through user associations/cooperatives to enable changes in collective management, with territorial plans. Implementing via government partners, extension services, with community-level planning; trainings, demonstration/model farmers. Showing economic benefits of the agroecological approach to incentivize farmer adoption. [Presilience Ethiopia; STREAM Mangelia; ASSET] | Assessment of needs /priorities Establishment of Test and experimentation platforms Training of niche actors (farmers, researchers, development agent) for joint experimentation |
| Dominant contributions of research | Analytical:Understanding contextConceptualization of solutions | Support to implementation Codification and transfer of knowledge | AnalyticalUnderstanding needsEvaluation |
| Project management focus | Adequate acquisition of knowledge | Project's performance | Design strategies |
| Time horizons | Temporality of research | Project lead timing | Variable, adaptable, responsive to needs |









- R2.1.: 3 types of strategies deployed within AIS with key AIS stakeholders, and 3 levels of transformative intention

 DeSIRA projects materialized multilevel strategies for transitions
- R2.2. DeSIRA projects fill the "missing ties" of the AIS, both horizontal and vertical. The projects are full-fledged actors of the national AIS

• R2.3 High variety of mechanisms for **stakeholder engagement** based on Participatory Action Research (PAR)



Result 2- Embeddeness into Agricultural Innov

Upload and read the book : https://www.desiraliftcommunity.org/stories-of-change/







• R2.3 High variety of mechanisms for **stakeholder engagement** based on Participatory Action Research (PAR)



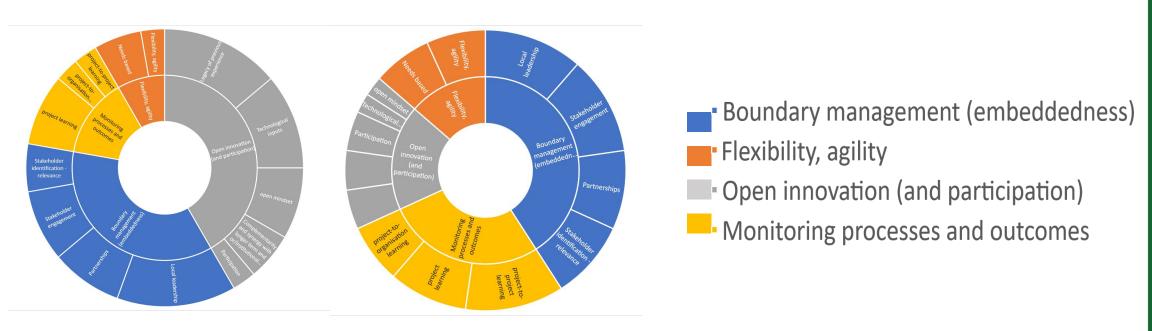






Result 3- Managerial capacities for complex projects

• R3. Depending on the project transformative strategy, critical areas for successful management (and delivery) are not the same



3 Nursing seeds for transition

Niches to policy influence









Recap of main DeSIRA Projects' contributions to I&ST and new questions

1-Contribution to developping and testing innovation portfolios in response to complex problems



How to maintain these innovation portfolios and make them move to the next phase?

2-Contribution to **strategy formation** and materialize multi-level and multi-country strategies for ST



Who can deploy these strategies over longer term?

3-Contribution to AIS strengthening by **filling MISSING TIES**



Projects are temporary organizations: how to sustain these ties?

4-Contribution to develop **research capacities** making international research more relevant to country needs and opportunities, and reinforce position as a strategic actor of AIS -



How to consolidate, sustain and scale research learnings and practices for I&ST?



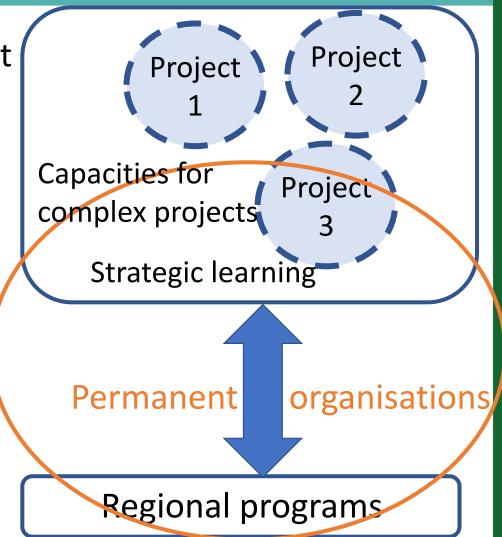






Recommendations to improve R&I projects contributions to I&ST

- 1-Align project design and management with Innovation and transition strategies
- □ 2- Enable organizational learning for systemic capacities to manage complex projects —esp.in research org.
- □ 3-Consider program level efforts for strategic learning
- ☐ 4-Include projects into comprehensive national and sub-regional action plans to ensure their effective delivery



your attention!

DeSIRA-LIFT team

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