What is ARPIST in DeSIRA

Action-Research in Partnerships for Innovation and Sustainability Transitions

Activating agricultural transitions to sustainability **through participatory research and co-innovation**

Stories of change across Africa, Asia and Latin America from the DeSIRA initiative
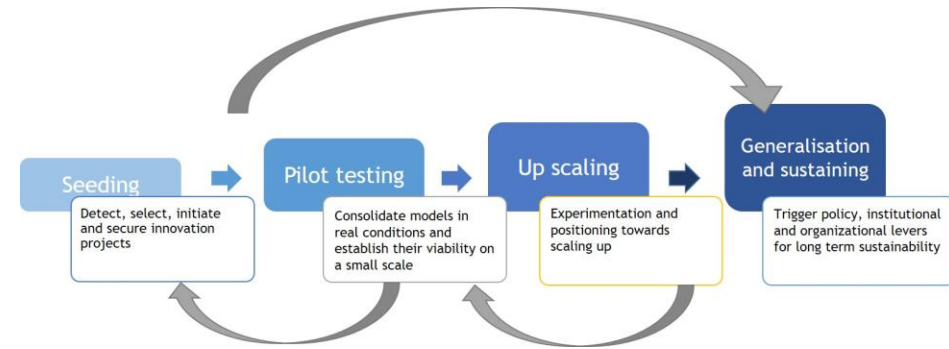
DeSIRA LIFT

Funded by the European Union

A new set of research purposes and practices geared toward societal missions

1- RESEARCH IN SUPPORT OF INNOVATION PROCESSES

Innovations at scale

From 2 to 20 years

1. Solving problems with end-users
2. Testing new things, based on demands
3. Creating new capacities, based on needs
4. (Re)framing transformative processes
   - Providing evidence, methods and models of action
   - Address trade-offs and barriers to change
   - Supporting decision making
5. Facilitating multistakeholder collaboration mechanisms

2-RESEARCH IN SUPPORT OF INNOVATION SYSTEMS
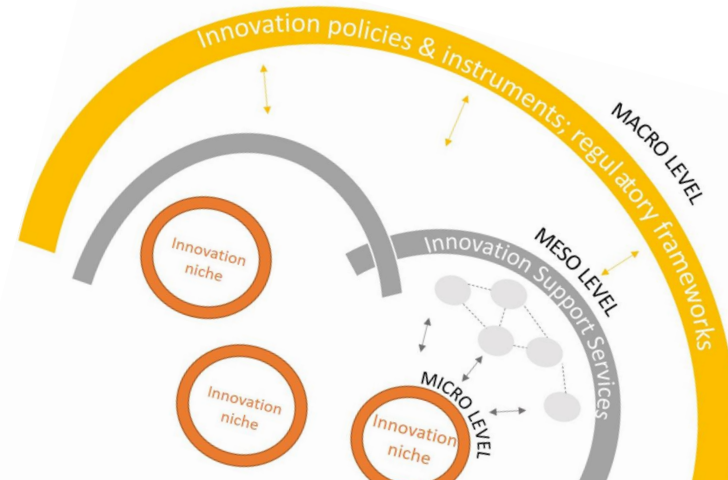
New capacities for open and responsible innovation

From 10 to 15 years

1- Action-Research in Partnership (ARP) in support of innovation PROCESSES

Seeding

Detect, select, initiate and secure innovation projects

Pilot testing

Consolidate models in real conditions and establish their viability on a small scale

Up scaling

Experimentation and positioning towards scaling up

Generalisation and sustaining

Trigger policy, institutional and organizational levers for long term sustainability
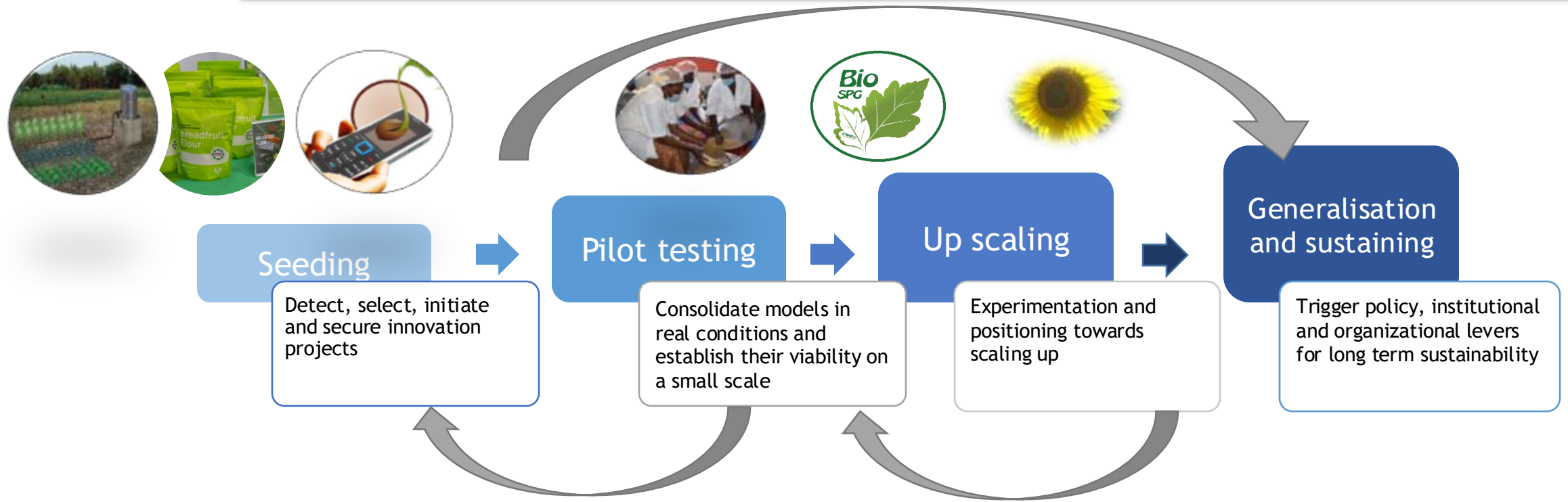
Research functions
- Formalization and systematization (creation of links between local knowledge and research knowledge)
- Codification (transformation of knowledge into manuals, checklists, training, etc.)
- Legitimation (transforming knowledge into "political currency")

Partnerships
- Pluridisciplinary project teams (Universities, laboratories, etc.)
- Scientific collaboration
- Plurifunctional project teams : end-users, designers, experimenters
- Co-creation collaboration or competition
- External stakeholder engagement
- genuine cooperation

Time horizons
- temporality of research
- variable, adaptable
- Policy cycles

Multi-Stakeholder Mechanisms and researchers' contributions

Seeding → **Pilot testing** → **Up scaling** → **Generalisation and sustaining**

Tracker

Explorer

Trainer

Expert
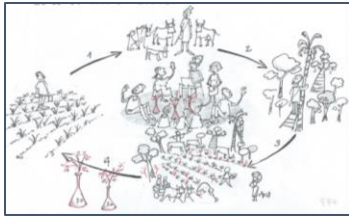
In situ & ad-hoc co-design of innovations led by rural communities
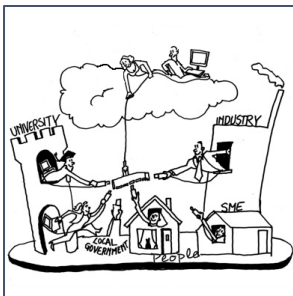Living Labs, local innovation platforms

Transfer of Technology
Farmer Field Schools

Incubation Services for innovative entrepreneurs – Social incubators

Open innovation between public/private sectors - Place-based multi-service and bridging platforms (campus, territorial ecosystems)

Policy making for more enabling environments
Policy Labs, science-policy interfaces, regional alliances

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New collaborative capacities for open and responsible innovation
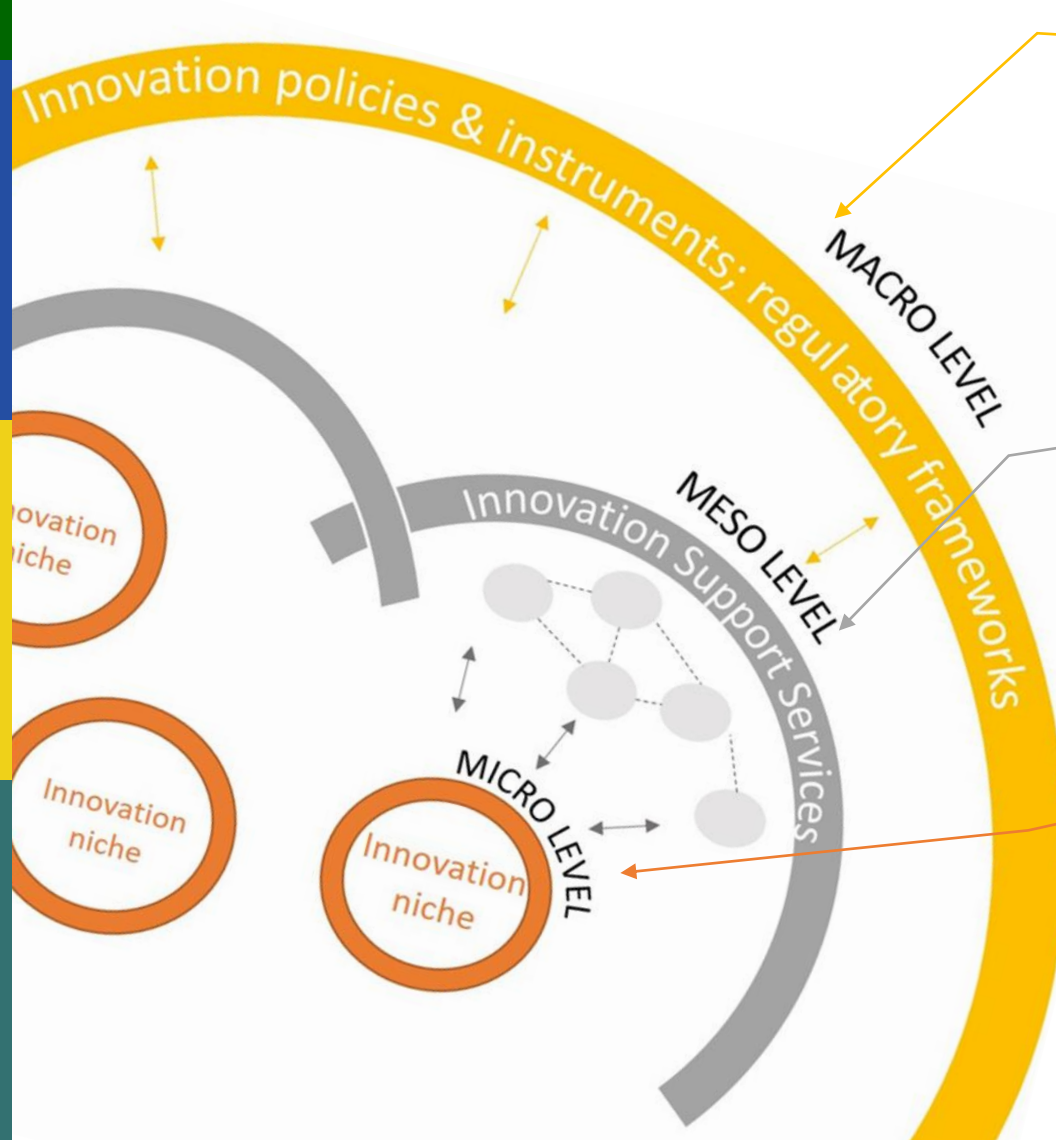
Build Policy Capacities
Create push & pull innovation instruments, Align efforts toward missions

Build service ecosystems capacities

Change the knowledge regime

Build open innovation capacities

Engage scaling actors with rural communities

- Parliamentaries
- Government agencies
- Think Tank, Learning Alliances
- Interprofessional associations
- National public research institutions
- Advisory services
- NGOs
- Financing institutions
- AgriTech
- Grassroot innovation networks
- Local authorities

Generating impacts with international R&I interventions

Supporting AgrInnovation PROCESSES

Development-oriented

Formalization-oriented

Exploration-oriented

Integrated R&I approaches for transformative learning

Scaling innovation portfolios for sustainability transitions

Co-creation, knowledge integration around a new practice, product, service, policy

COMPLEX PROJECTS AND PARTNERSHIP ARCHITECTURES

In-country innovation capacity building
→ Education, institution building, ecosystem building, innovation policies 3.0

Changing the ways of behaving, thinking and perceiving the environment

Supporting mission-oriented Agricultural Innovation SYSTEMS

Innovation Niches / micro-level

Support Services / meso-level

Policy / macro-level

Generating impacts with international R&I interventions

PRINCIPLE 1 Adapt the goals of your R&I to country actors' needs and readiness

Supporting AgrInnovation PROCESSES

Integrated R&I approaches for transformative learning

Development-oriented

Scaling innovation portfolios f... sustainability transitions

Group 3: R&I in value chains and private sector involvement

Bringing evidence in policy cycles

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Creating scalable innovation prototypes

Helping policy actors to create new frameworks and rules

Formalization-oriented

Facilitating co-design

Group 1: Farmer-led R&I

Helping service providers to deliver new types of support services with socially innovative mechanisms

Tracking innovations

Exploration-oriented

Helping innovators to solve problems

Changing the ways of behaving, thinking and perceiving the environment

Supporting mission-oriented Agricultural Innovation SYSTEMS

Innovation Niches / micro-level

Support Services / meso-level

Policy / macro-level

Generating impacts with international R&I interventions

Supporting AgrInnovation PROCESSES

PRINCIPLE 2 Adapt your PARTNERSHIP ARCHITECTURE to the goals of the R&I intervention and existing arrangements

Development-oriented

Scaling innovation portfolios for sustainability

Integrated R&I approaches for transformative learning

STI Capacity Building

Industry

Government

People
Programs/ Projects
Arrangements / Process

Partner 1 (or consortium)

Partner 2 (or consortium)

Academia

Systemic embedding

Systemic embedding

Group 2:R&I in frag contexts (insecurit conflicts)

Formalization-oriented

Exploration-oriented

Changing the ways of behaving, thinking and perceiving the environment

Supporting mission-oriented Agricultural Innovation SYSTEMS

Innovation Niches / micro-level

Support Services / meso-level

Policy / macro-level

Generating impacts with international R&I interventions

Supporting AgrInnovation PROCESSES

Integrated R&I approaches for transformative learning
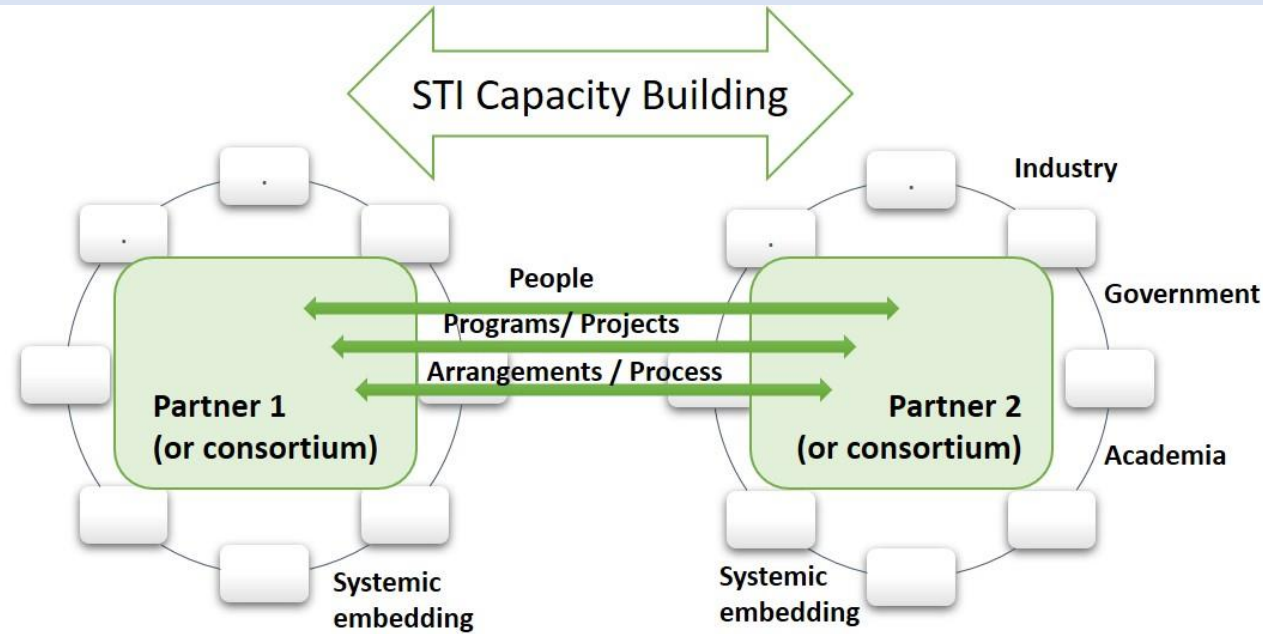
PRINCIPLE 3 Multiple cycles of ARP will be needed and guided by transition management's long-term design for governing sustainable transitions

Development-oriented

Scaling innovation portfolios for sustainability transitions

Formalization-oriented

Group 5: Co-Innovation Facilities

Exploration-oriented

Changing the ways of behaving, thinking and perceiving the environment

Supporting mission-oriented Agricultural Innovation SYSTEMS
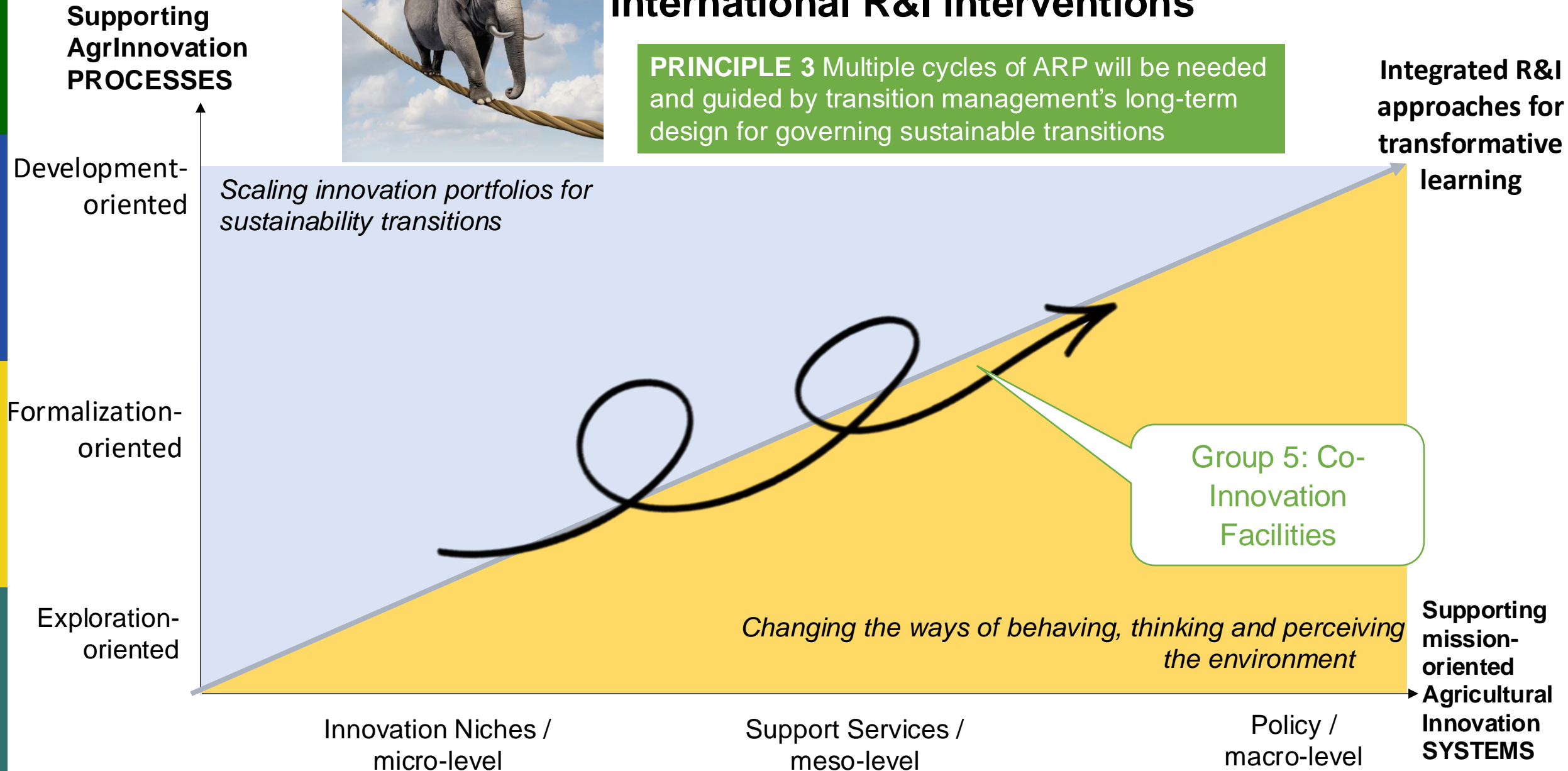
Innovation Niches / micro-level

Support Services / meso-level

Policy / macro-level

Generating impacts with international R&I interventions

LESSON 4 Managing Trade-off, building trust, balancing power, sense making are at the core of collaboration and take most of the time

Supporting AgrInnovation PROCESSES

Integrated R&I approaches for transformative learning

Development-oriented

Formalization-oriented

Exploration-oriented

Scaling innovation portfolios for sustainability transitions

Group 4: Science-policy interfaces

What innovations should be scaled? What research should be stopped?

Why shall we invest effort with young entrepreneurs ?

How to Reconnect science to end users and society?

Changing the ways of behaving, thinking and perceiving the environment

Innovation Niches / micro-level

Support Services / meso-level

Policy / macro-level

Supporting mission-oriented Agricultural Innovation SYSTEMS

Thanks for your attention!

DeSIRA-LIFT team
Follow us:
https://www.desiraliftcommunity.org/

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