



Resilient Agri-Food Systems Science Group (RAFS)

Regionally Integrated Initiatives (RIIs)

Amplifying regional relevance and impact through integration and innovation systems

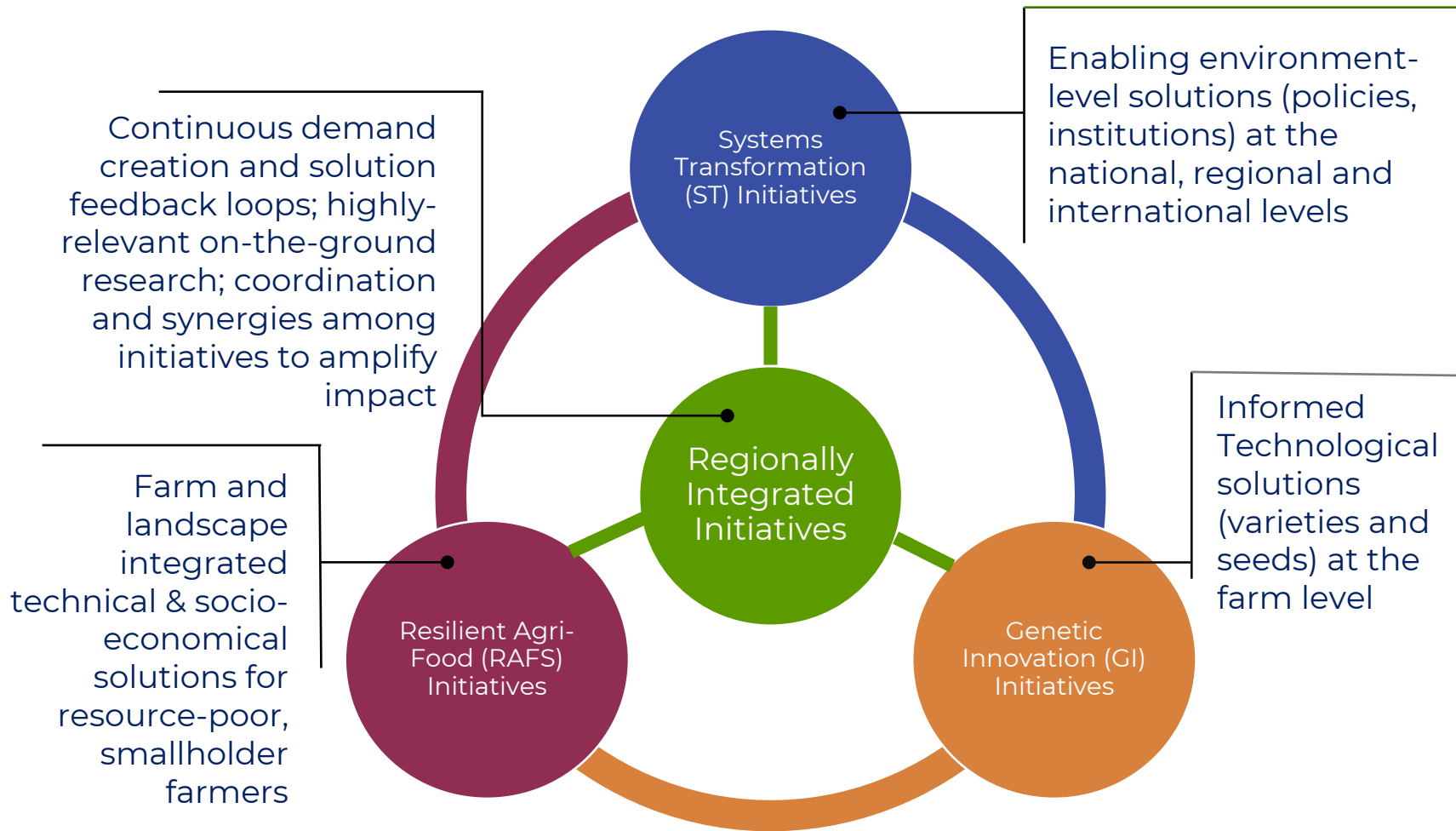
CGIAR System Board Meeting (SB25) – December 08, 2022

Dr. Martin Kropff

Managing Director, Resilient AgriFood Systems (RAFS)

CGIAR

Science and Regional Groups Deliver Integrated Research and Innovation Solutions



CGIAR's Impact Areas

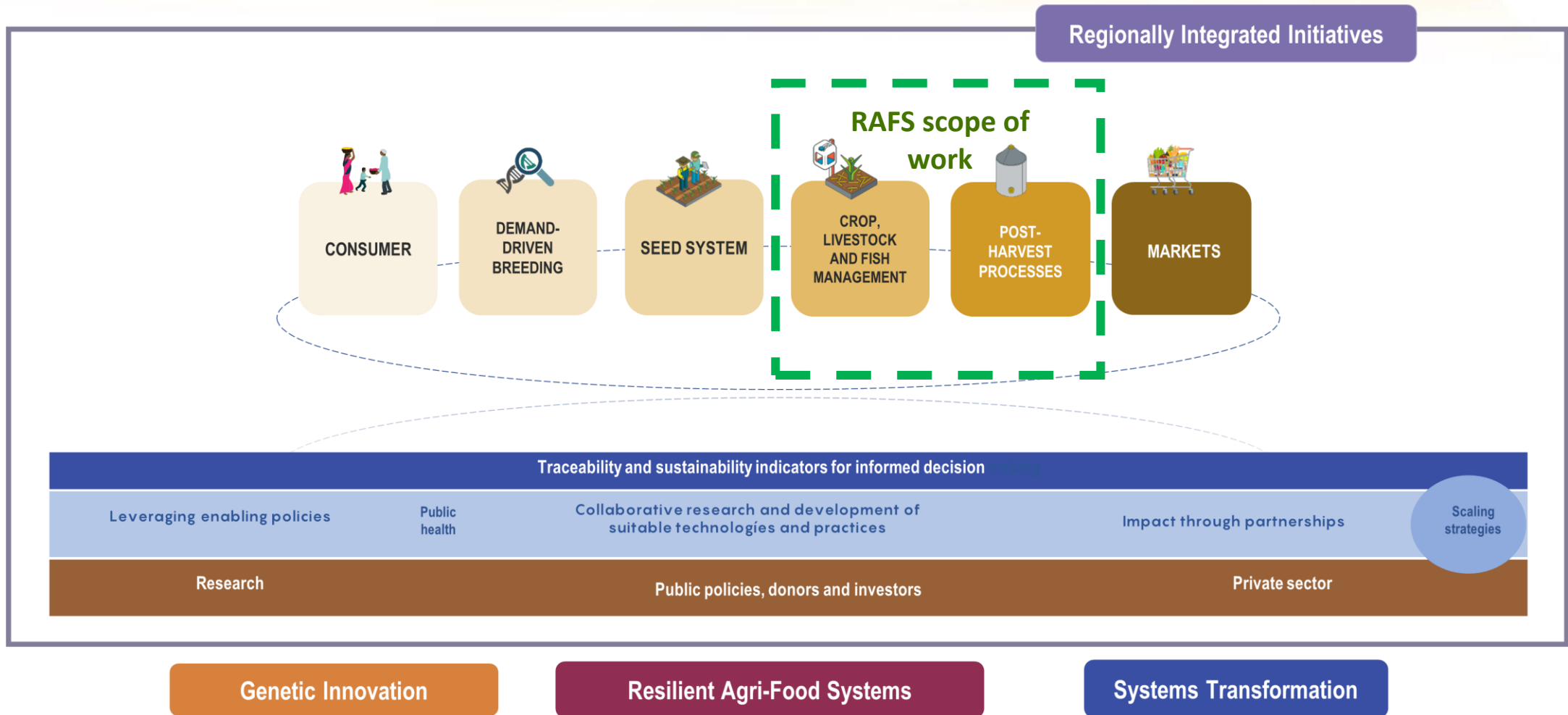


Resilient AgriFood Systems (RAFS)

RIs Overarching Objective

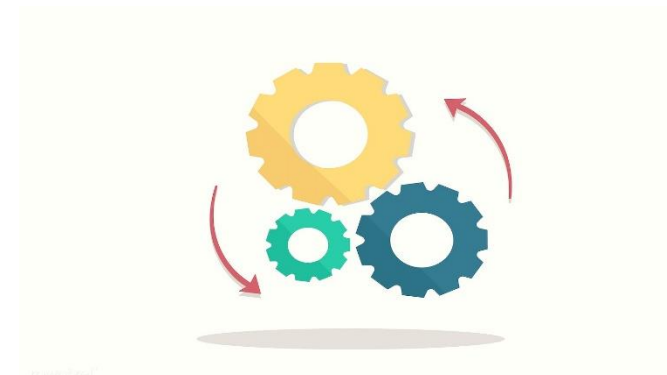
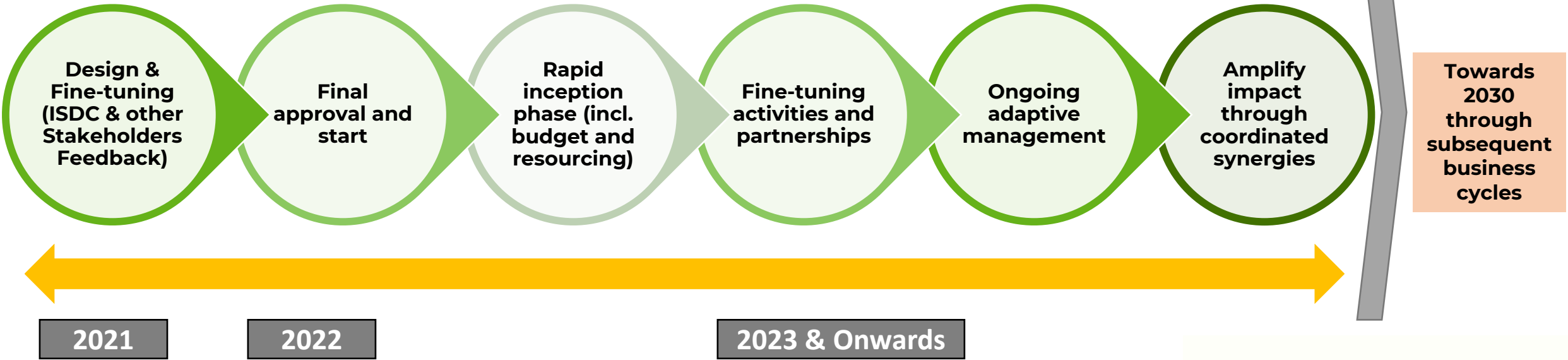
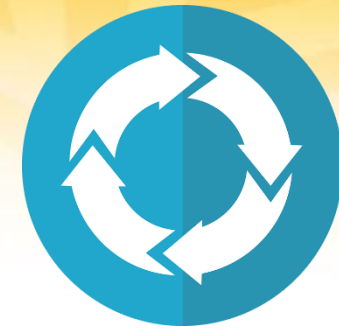
Contribute to regional Agri-Food systems transformation for affordable sufficient and healthy diets produced within planetary boundaries in a climate crisis

One CGIAR Integrated Food System Value Network and RAFS scope of work

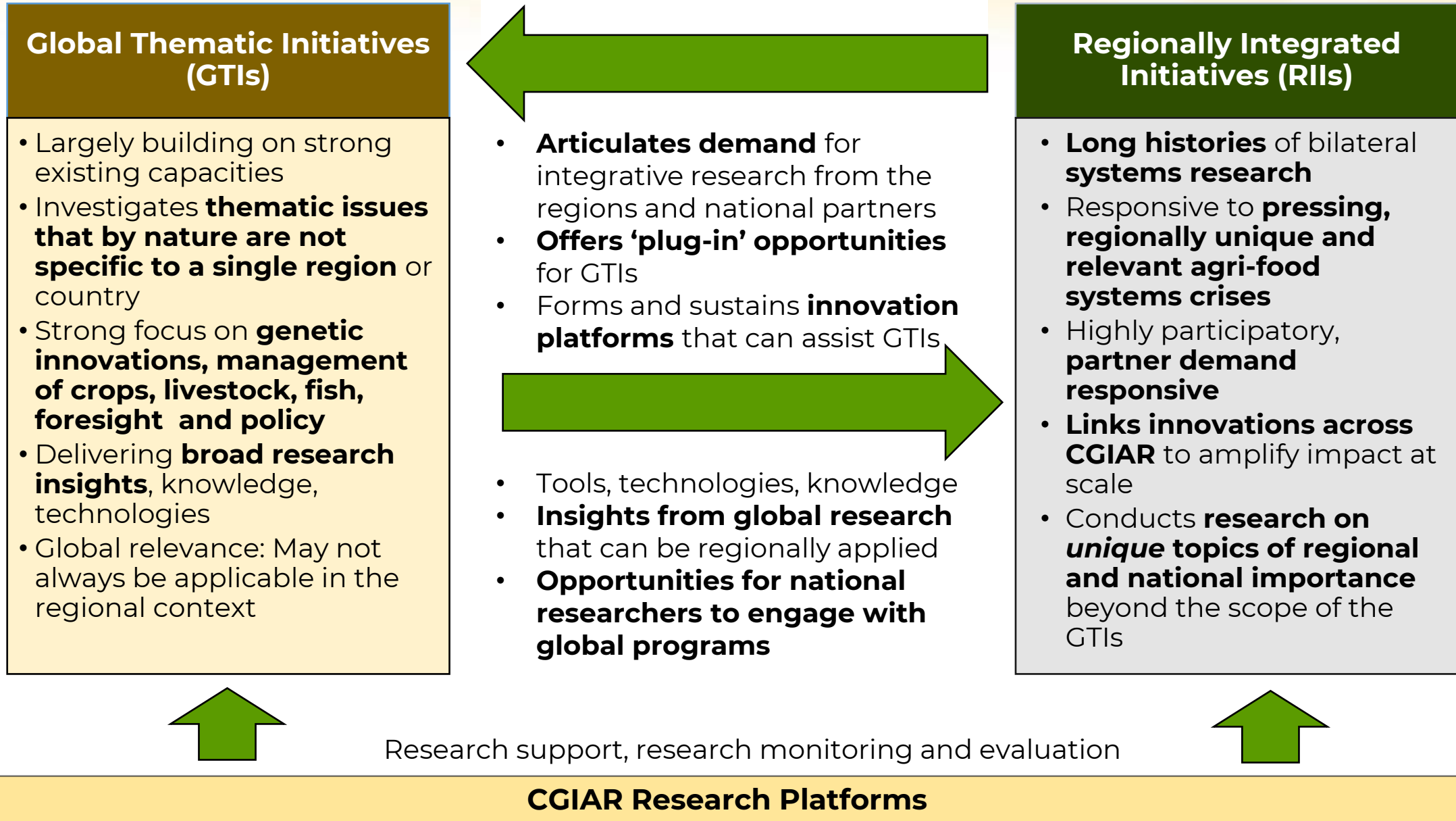


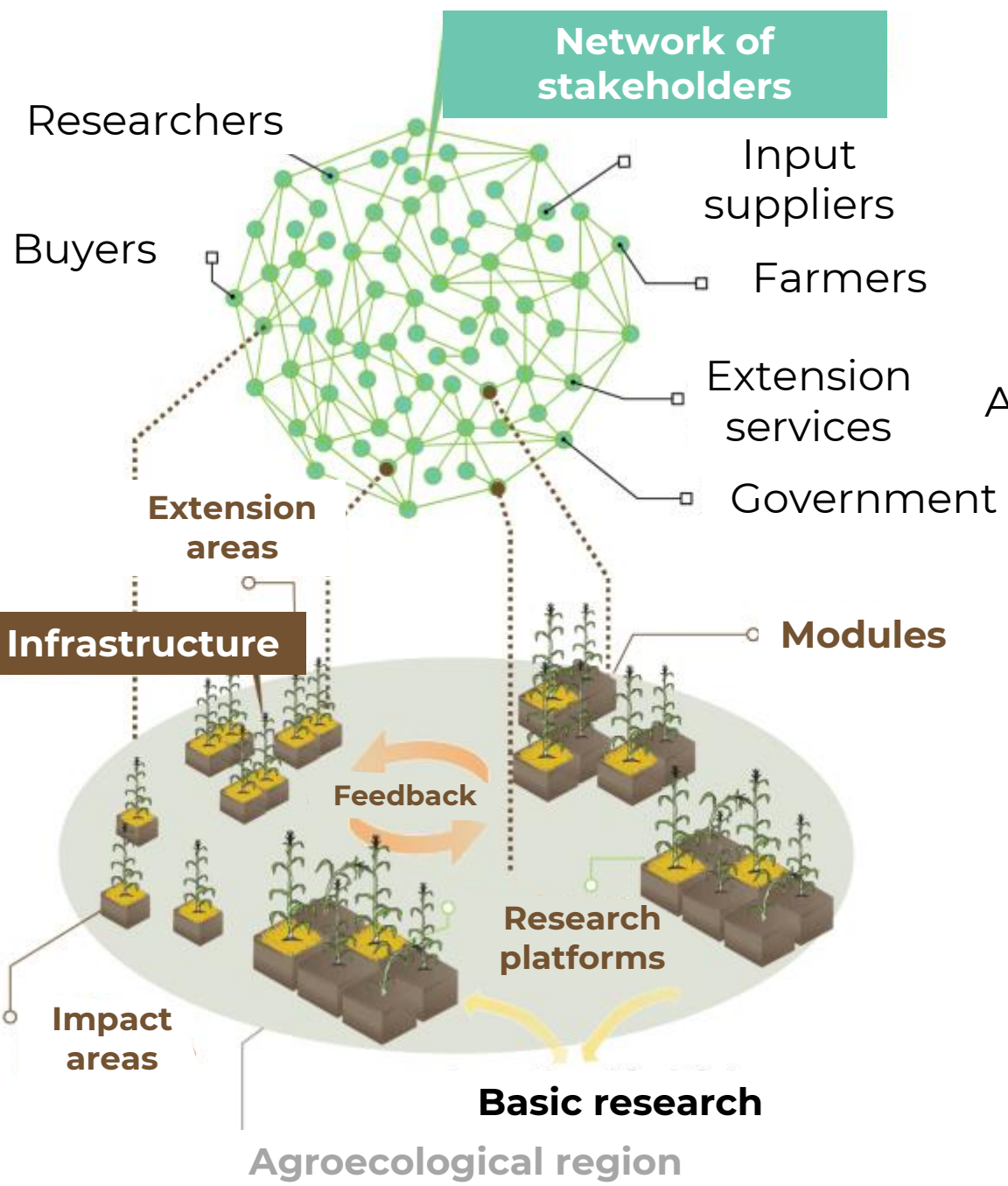
Global thematic initiatives respond (GTIs) to demand from Regionally Integrated Initiatives (RIIs); at the same time, RIIs adapt, apply, and amplify the outcomes of CGIAR research with regions and countries.

Initiatives – Overall Process & Stages



Structure of CGIAR's Initiative Portfolio





Innovation Systems

Living Labs

Multi-stakeholder platforms

Action Research | Research in context | Research at scale

PLOS ONE

RESEARCH ARTICLE

One CGIAR and the Integrated Agri-food Systems Initiative: From short-termism to transformation of the world's food systems

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 Xiomara Chavez Suarez^{1,2}, Anabell Diaz Espinosa^{1,2}, Simon Fonteyne^{1,2},
 Andrea Gardeazabal^{1,2}, Gabriela Gonzalez^{1,2}, Ravi Gopal Singh^{1,2}, Victor Kommerell^{1,2},
 Wietske Kropff^{1,2}, Victor Lopez Saavedra^{1,2}, Georgina Mena Lopez^{1,2}, Sylvanus Odjo^{1,2},
 Natalia Palacios Rojas^{1,2}, Julian Ramirez-Villegas^{1,2}, Jelle Van Loon^{1,2}, Daniela Vega^{1,2},
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KNOWLEDGE MANAGEMENT RESEARCH & PRACTICE
<https://doi.org/10.1080/14778238.2021.1884010>



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Knowledge management for innovation in agri-food systems: a conceptual framework

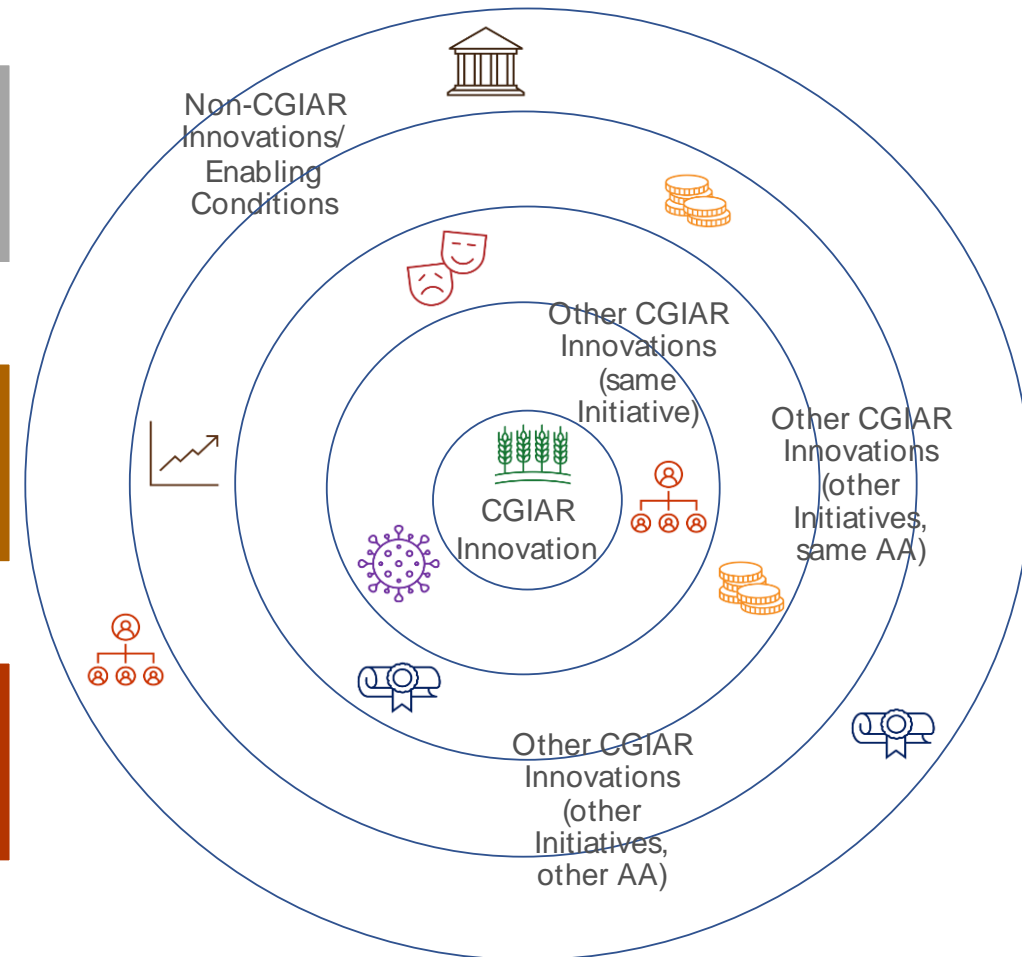
Andrea Gardeazabal¹, Tobias Lunt^{1,2}, Molly M. Jahn^{1,2}, Nele Verhulst^{1,2}, Jon Hellin^{1,2}
 and Bram Govaerts^{1,2,3,4}

GTIs–RIIs synergies through Innovation Packages

Most GTIs innovations need to be validated, embedded and scaled in regional- or country-specific packages

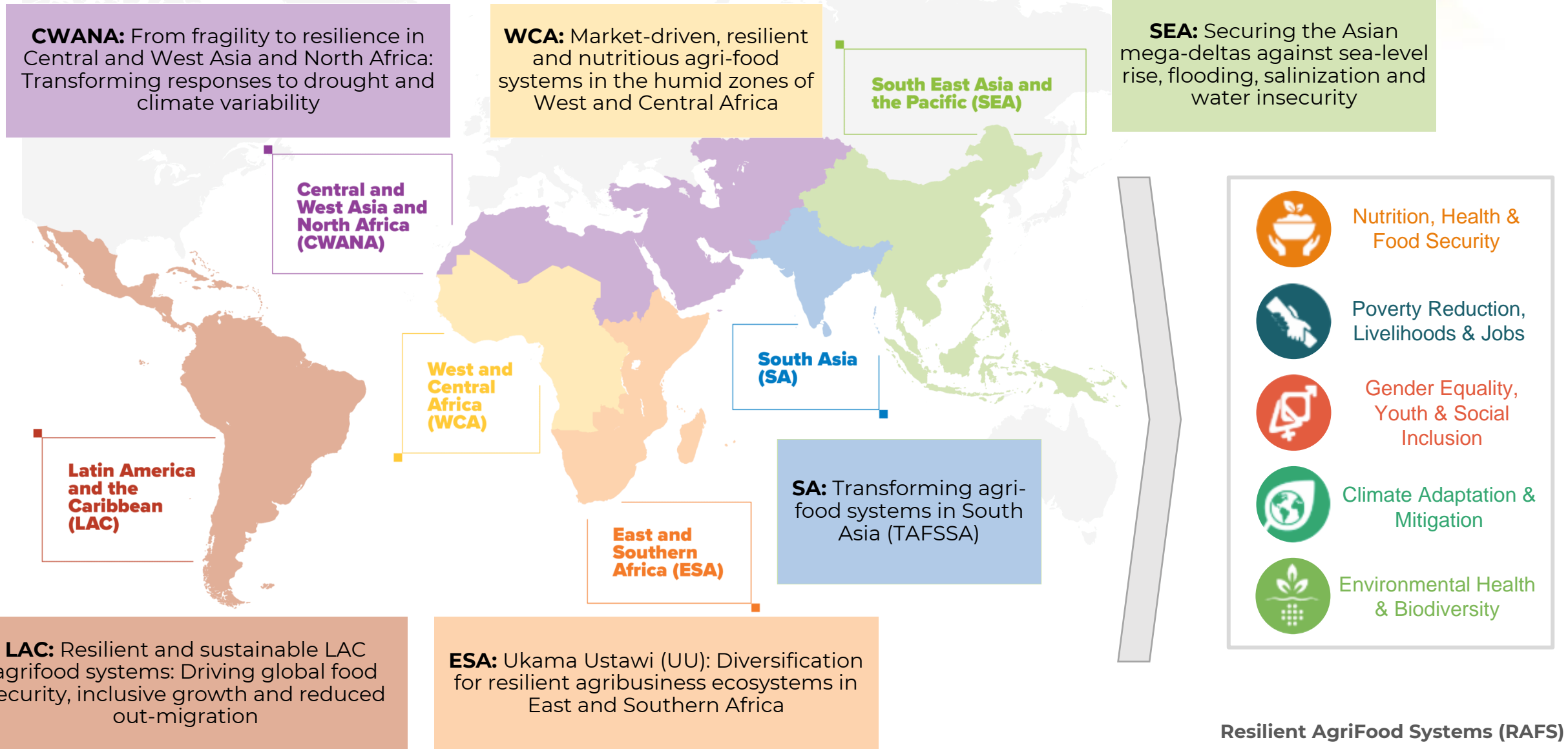
Innovation Packages contain a combination of innovations cutting across CGIAR AAs, as well as non-CGIAR innovations

RIIs play crucial role in designing and managing context-specific Innovation Packages with partners



Regionally-Integrated Initiatives (RIIs)

offer opportunities to 'plug into' long established partnerships and assure coordination and coherence among initiatives and science groups



Regionally Integrated Initiatives - Leadership



Michael Baum - ICARDA (Lead)
Maha Al-Zu'bi - IWMI (Co-Lead)

Ole S Bjoern - IIRRI (Lead)
Benjamin Belton - WorldFish (Co-Lead/ To be replaced)

South East Asia and the Pacific (SEA)



Central and West Asia and North Africa (CWANA)

Tim Krupnik - CIMMYT (Lead)
Purnima Menon - IFPRI (Co-Lead)



South Asia (SA)

West and Central Africa (WCA)

Deissy Martínez - ABC (Lead)
Bram Govaerts - CIMMYT (Co-Lead)

Latin America and the Caribbean (LAC)

Aminou Arouna - AfricaRice (Lead/ Interim)
TBC (Co-Lead)



East and Southern Africa (ESA)

Inga Jacobs-Mata - IWMI (Lead)
Evan Girvetz - ABC (Co-Lead)



(RIIs): Induction/ Kick-off meetings



CWANA: From fragility to resilience in Central and West Asia and North Africa: Transforming responses to drought and climate variability



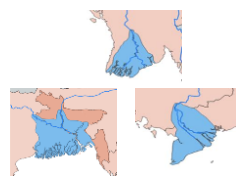
WCA: Market-driven, resilient and nutritious agri-food systems in the humid zones of West and Central Africa



ESA: Ukama Ustawi (UU): Diversification for resilient agribusiness ecosystems in East and Southern Africa



SEA - AMD: Securing the Asian mega-deltas against sea-level rise, flooding, salinization and water insecurity



SA - TAFSSA: Transforming agri-food systems in South Asia



AgriLAC: Resilient and sustainable LAC agrifood systems: Driving global food security, inclusive growth and reduced out-migration



Initial Meetings/ Sessions

CWANA:
Morocco (May 2022)
Uzbekistan/ Egypt/ Sudan (June 2022)
Lebanon/ Syria (July 2022)

WCA:
Rwanda (April 2022)

ESA: UU:
Kenya (March 2022)

SEA - AMD:
Vietnam (June 2022)

SA - TAFSSA:
India (June 2022)

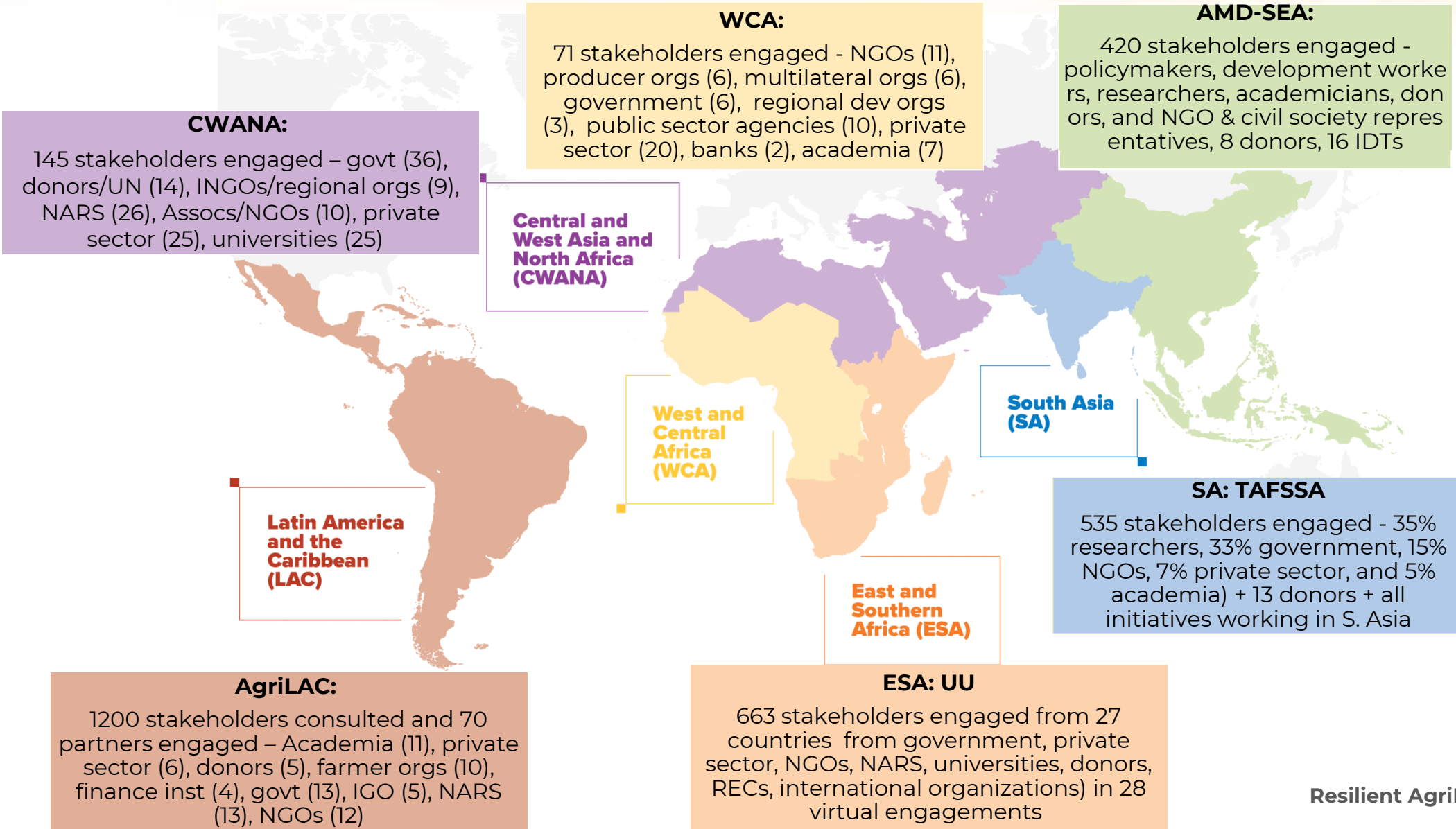
AgriLAC:
Colombia/ Guatemala (April/ May 2022)

Other Meetings/ Sessions

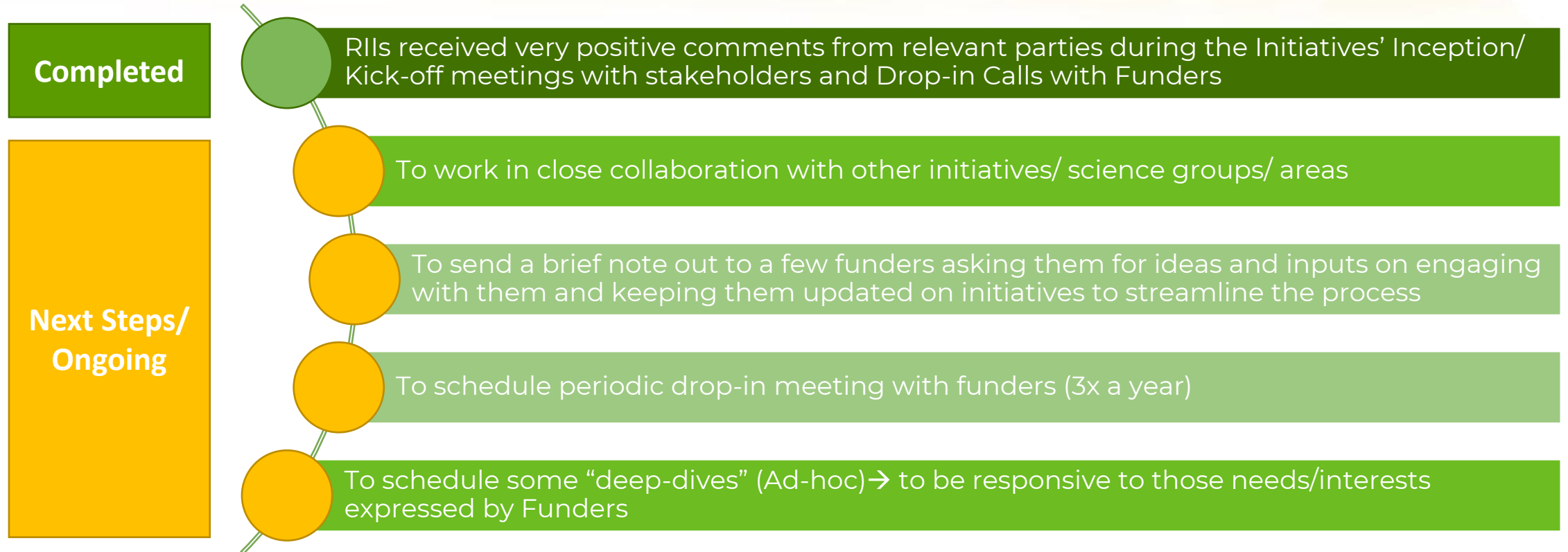
CGIAR Initiative drop-in calls for Funders: RIIs
Virtual (June 2022)

South Asia Stakeholder Dialogue and CGIAR Research Initiatives Launch
Nepal/ India (June 2022)
Bangladesh (July 2022)

Co-design with nearly 2,000 stakeholders



RIs: Funder engagement



In addition, RAFS Managing Director + Tech Support Team have regular meetings with teams in RIs to discuss:

- Further updates and most exciting / impactful research progress
- Expanded engagement and interest from partners in RIs
- Updates and progress in reporting
- Implementation rates and budgets for 2022/ 2023
- Retreat in Q1 2023: methodologies, progress, plans for 2023 and beyond

Thank you!



CGIAR
Science for a food-secure future

RIs Principles



1. **Aligned with ISDC guidance**

- Not development projects (but offering scaling mechanisms)
- Clear, regionally relevant research questions, common methodologies
- Research at scale

2. **Build on regional policy, stakeholder demand, and strong prior investments**

- Regional problem identification, problem response
- Prioritized agroecological and market stems
- Strong pathway towards CGIAR impact areas

3. **Bundling and integrating: Demand and supply feedback loops**

- Integrating & offering innovations to and from other initiatives, bilaterals
- NARES and private sector innovations

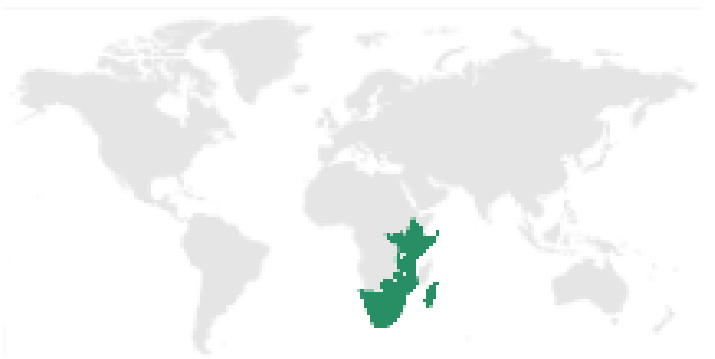
4. **RIs:**

- Interdependent with Global Thematic Initiatives
- Do not have to work with all initiatives
- Not the sole and only demand identification channel
- Not working in all agroecologies, production or market systems

5. **Vertical and horizontally integrated**

- Vertically integrate ST high-level policy with bottom-up GI and RAFS innovations
- Horizontally integrate from farms to landscapes to markets and across value chains

RIIs Overview: Main Objectives (ESA: UU)



East and Southern Africa (ESA)



Diversifying and sustainably intensifying production

Reducing risk and digitalizing value chains

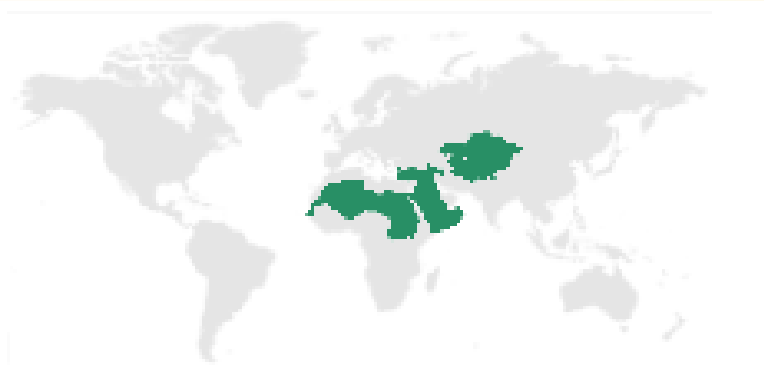
Supporting and accelerating value chain business enablers in maize mixed systems

Promoting the governing and enabling of multifunctional landscapes

Empowering and engaging women and youth in agribusiness ecosystems

Scaling innovations and coordinating CGIAR and partner activities in the region

RIs Overview: Main Objectives (CWANA)



*Central and West Asia and North Africa
(CWANA)*



Creating innovations in partnerships, policies and platforms for the efficient, inclusive and climate-resilient transformation of agrifood systems

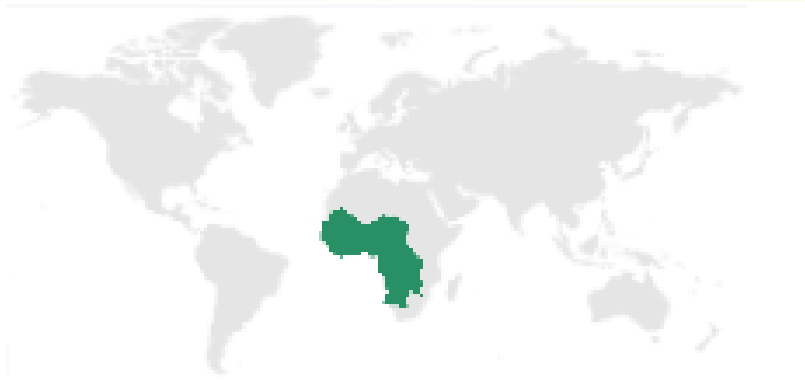
Facilitating genetic innovations, seed systems and agrobiodiversity conservation for climate-resilient food and nutrition security

Focusing on sustainable intensification of farming systems for climate-resilient reduction of yield gaps

Supporting integrated food, land, water and energy systems for climate-resilient landscapes

Applying innovations and digital tools for climate-resilient food value chains

RIIs Overview: Main Objectives (WCA)



West and Central Africa (WCA)



Enabling sustainable intensification and diversification of food production through sustainable seed systems and improved management practices

Managing climate risks and accessing services through informed digital agriculture

Creating pathways for scaling land and water innovations for resilient agrifood systems

Enhancing youth and women's entrepreneurship models in food value chains

Creating a coherent management system to catalyse the Initiative's impact at scale

RIIs Overview: Main Objectives (SEA: AMD)



South Asia (SA), Southeast Asia and the Pacific (SEA)



Improving deltaic production systems

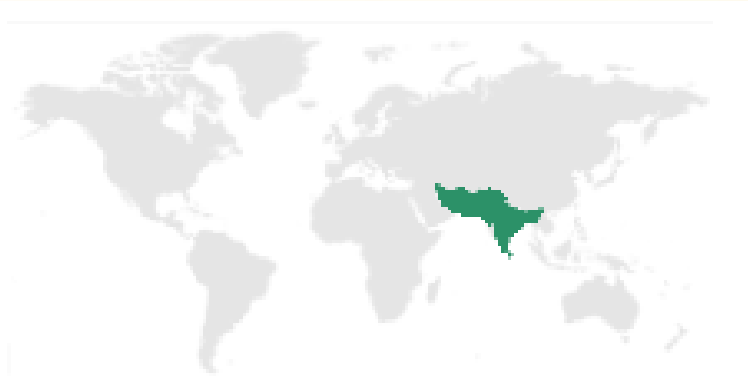
Developing nutrition-sensitive deltaic agrifood systems

Reducing risk in delta-oriented value chains

Facilitating joined-up, gender-equitable, inclusive deltaic systems governance

Introducing evidence-based delta development planning

RIs Overview: Main Objectives (SA: TAFSSA)



South Asia (SA)



Developing inclusive learning platforms, public data systems and partnerships

Transforming agroecosystems and rural economies to boost income, generate jobs and support diversified food production

Improving access to and affordability of sustainably produced healthy foods through evidence and actions across the food system

Overcoming behavioural and structural challenges to sustainable healthy diets

Building resilience and mitigating environmental impact

RIIs Overview: Main Objectives (AgriLAC)



Latin America and the Caribbean (LAC)



Shaping nutrition-sensitive socioecological-technological “best bets” to operationalize local agrifood system transition to climate-resilient nutrition pathways

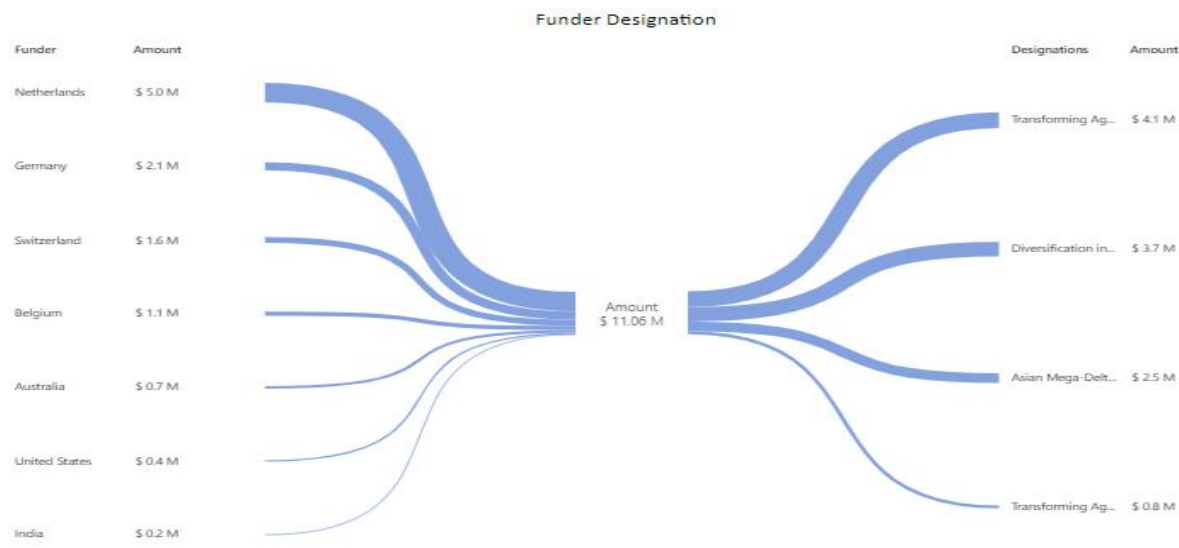
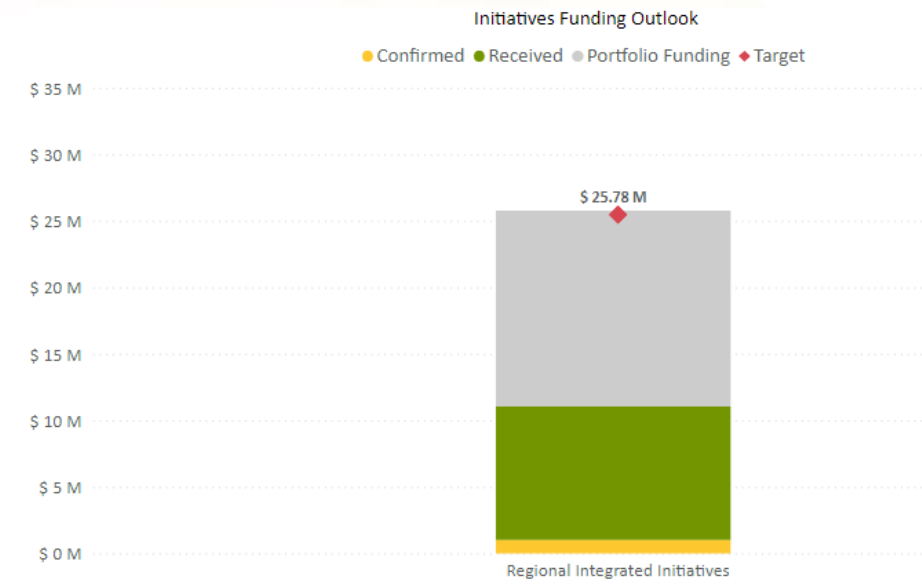
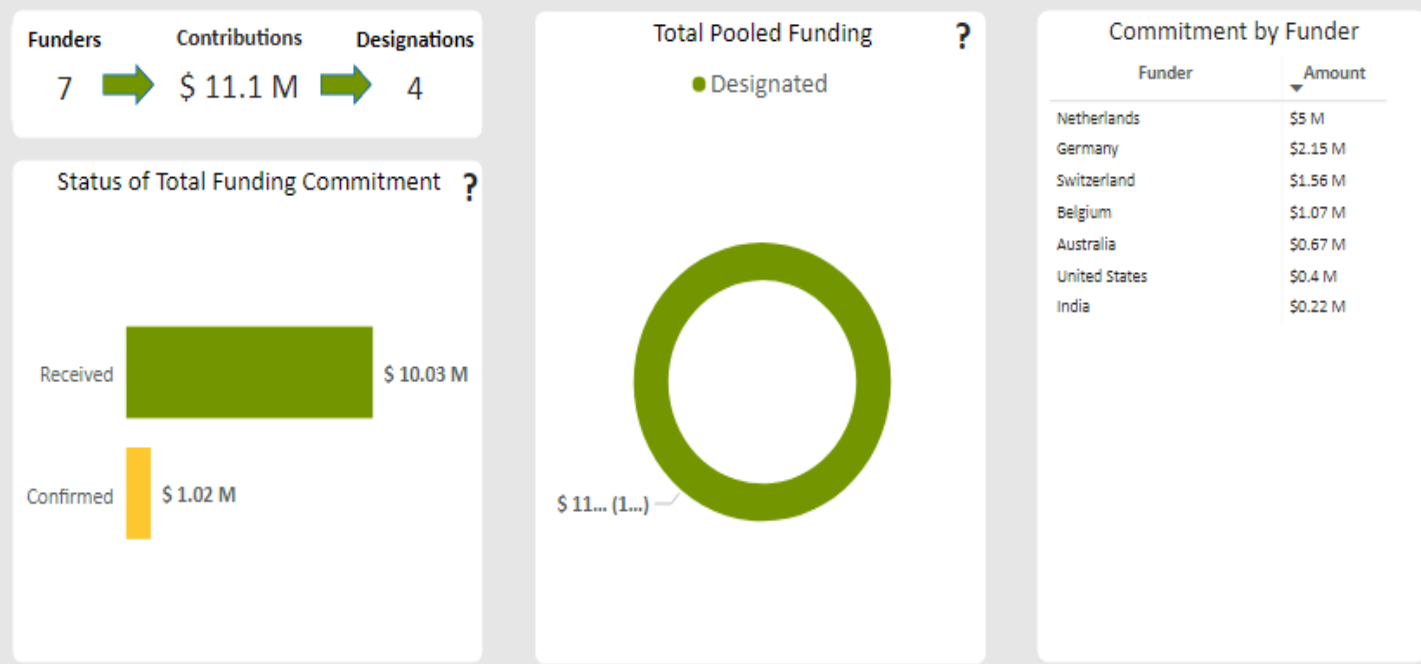
Establishing inclusive, digitally enabled agro-advisories for risk management

Developing an agrifood system that meets both mitigation and sustainable development objectives

Creating InnovaHub (innovation hub) networks for agrifood innovation and scaling

Enabling science-informed policies, investments and institutions

RIs: Financial Overview



RIs: Financial Overview



SEA: AMD

Funders: 2 → Contributions: \$ 2.5 M → Designations: 1

Ratio of Funder Designations to Budget

Designation	Amount	Contribution %
Asian Mega-Deltas		
Australia	\$ 0.49 M	12.15%
Netherlands	\$ 2.00 M	49.53%
Portfolio Funding	\$ 1.55 M	38.32%

ESA: UU

Funders: 2 → Contributions: \$ 3.7 M → Designations: 1

Ratio of Funder Designations to Budget

Designation	Amount	Contribution %
Diversification in ESA		
Germany	\$ 2.15 M	42.58%
Portfolio Funding	\$ 1.34 M	26.57%
Switzerland	\$ 1.56 M	30.84%

WCA

Funders: 2 → Contributions: \$ 4.1 M → Designations: 1

Ratio of Funder Designations to Budget

Designation	Amount	Contribution %
Transforming Agrifood-WCA		
Belgium	\$ 1.07 M	26.30%
Netherlands	\$ 3.00 M	73.70%

SA: TAFSSA

Funders: 3 → Contributions: \$ 0.8 M → Designations: 1

Ratio of Funder Designations to Budget

Designation	Amount	Contribution %
Transforming Agrifood-SA		
Australia	\$ 0.18 M	3.77%
India	\$ 0.22 M	4.65%
Portfolio Funding	\$ 3.86 M	82.99%
United States	\$ 0.40 M	8.60%

AgriLAC + CWANA
(Portfolio Funding)

RIs Challenges/ Opportunities

RIs are novel ideas developed under a completely new approach/methodology; they can grow with an adequate level of funding and long-term stability

- New Funders?
- New Funding Mechanisms (e.g., Seed money)?
- Regular Portfolio Funding (CGIAR)?