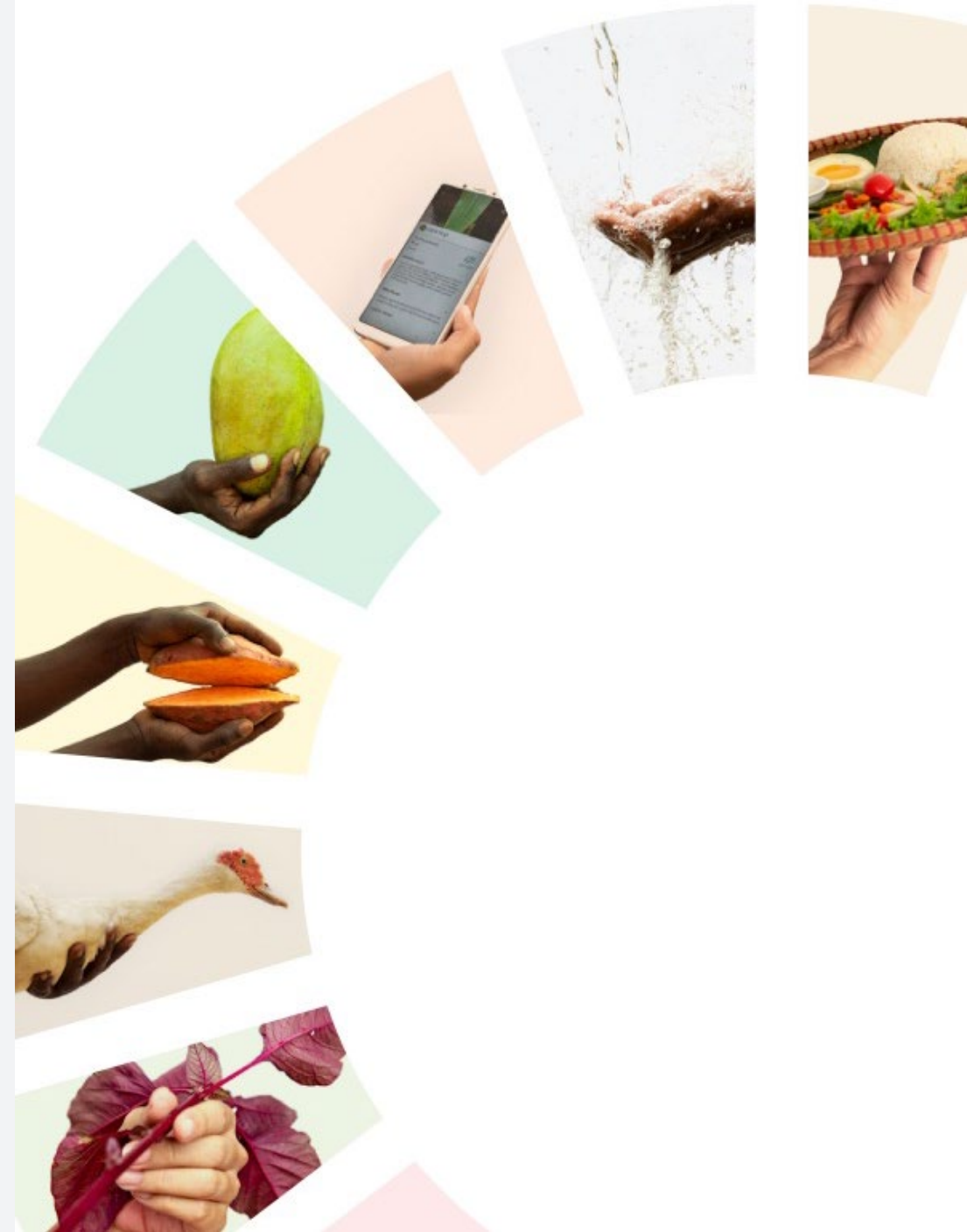


# Welcome to the 13<sup>th</sup> System Council Day 1

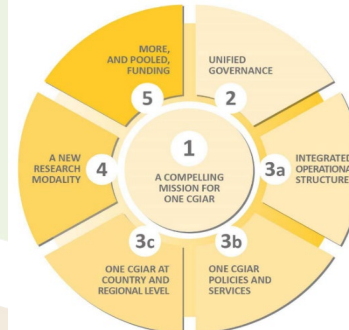
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9 June 2021





# Overview of SC13 objective and meeting sessions



## SC13 Meeting Day 1: Wednesday 9 June 2021

1. Meeting opening: Welcome; Co-Chair; Agenda; Declarations
2. SPOTLIGHT on the work of the 2021 World Food Prize laureate
3. 2022-2024 Investment Plan

## SC13 Meeting Day 2: Thursday 10 June 2021

4. Implementing One CGIAR
5. Leveraging what we are learning
6. Meeting closing: Consent agenda; AOB; Closing

## Optional deep dive sessions: Friday 11 June 2021

- Deep Dive on Evaluating a Decade of Investment (in depth) & Creating a One CGIAR Evaluation Policy *[to be offered in 2 time slots: 10:00-11:00 & 16:00-17:00 CEST]*
- Deep Dive on Integrated Operational Structure *[to be offered in 1 time slot 12:00-13:30 CEST]*

## A few suggested engagement modalities and principles



**Act with pace and purpose**



Commit to delivery of the System Reference Group recommendations



**Be respectful in verbal and chat interventions**



Recognize complexity



**Embrace multi-stakeholder inclusivity**



**Build trust**

### System Council and meeting operation:

- Formal governance and decision-making body.
- Membership is made up of Funder members and Country constituent groups.
- Meetings provide active decision making and discussion space for SC Members and Alternates.
- Observers and invited guests will be asked to contribute during invited spaces in meetings.
- **Interventions should be made primarily verbally as called for by SC Chair/co-chair**; chat messages should only be used if interventions not possible- and should be directed to SC Secretary (Karmen Bennett) for attention of Chair.





For Information

## 2. SPOTLIGHT session on the work of the 2021 World Food Prize laureate

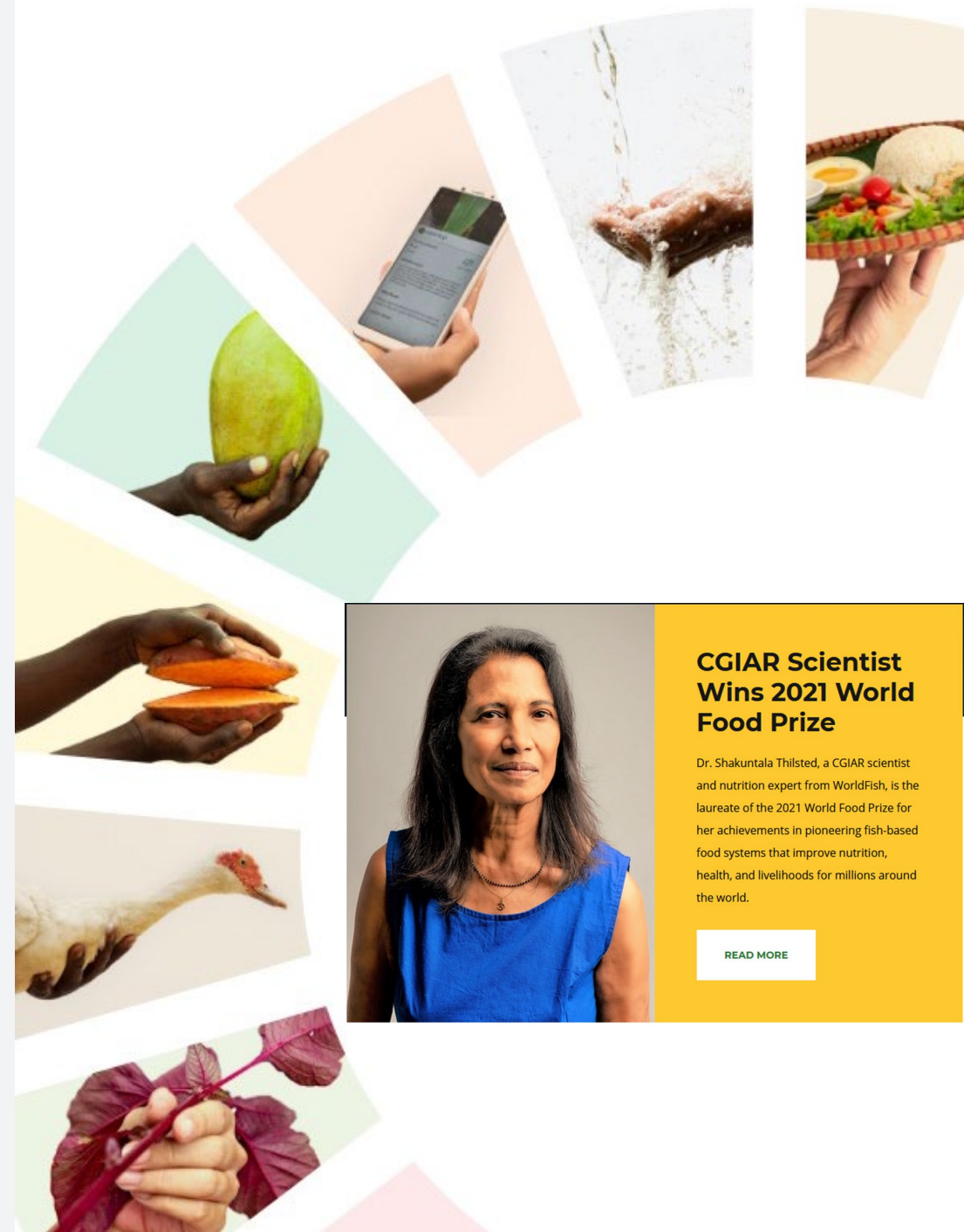
10 mins

Interview on the work of the laureate of the 2021 World Food Prize, CGIAR scientist and nutrition expert from WorldFish- Dr. Shakuntala Thilsted, in pioneering fish-based food systems that improve nutrition, health and livelihoods for millions around the world, with a focus on the impact in Bangladesh.

Interviewer: Kundhavi Kadiresan, Managing Director, Global Engagement & Innovation

Discussants: Dr. Shakuntala Thilsted, World Food Prize laureate 2021

Dr. S.M Bohktiar, Executive Chairman, Bangladesh Agricultural Research Council



### CGIAR Scientist Wins 2021 World Food Prize

Dr. Shakuntala Thilsted, a CGIAR scientist and nutrition expert from WorldFish, is the laureate of the 2021 World Food Prize for her achievements in pioneering fish-based food systems that improve nutrition, health, and livelihoods for millions around the world.

[READ MORE](#)



# For Approval

### 3. 2022-2024 Investment Plan

**Items:**

60 + 60 mins

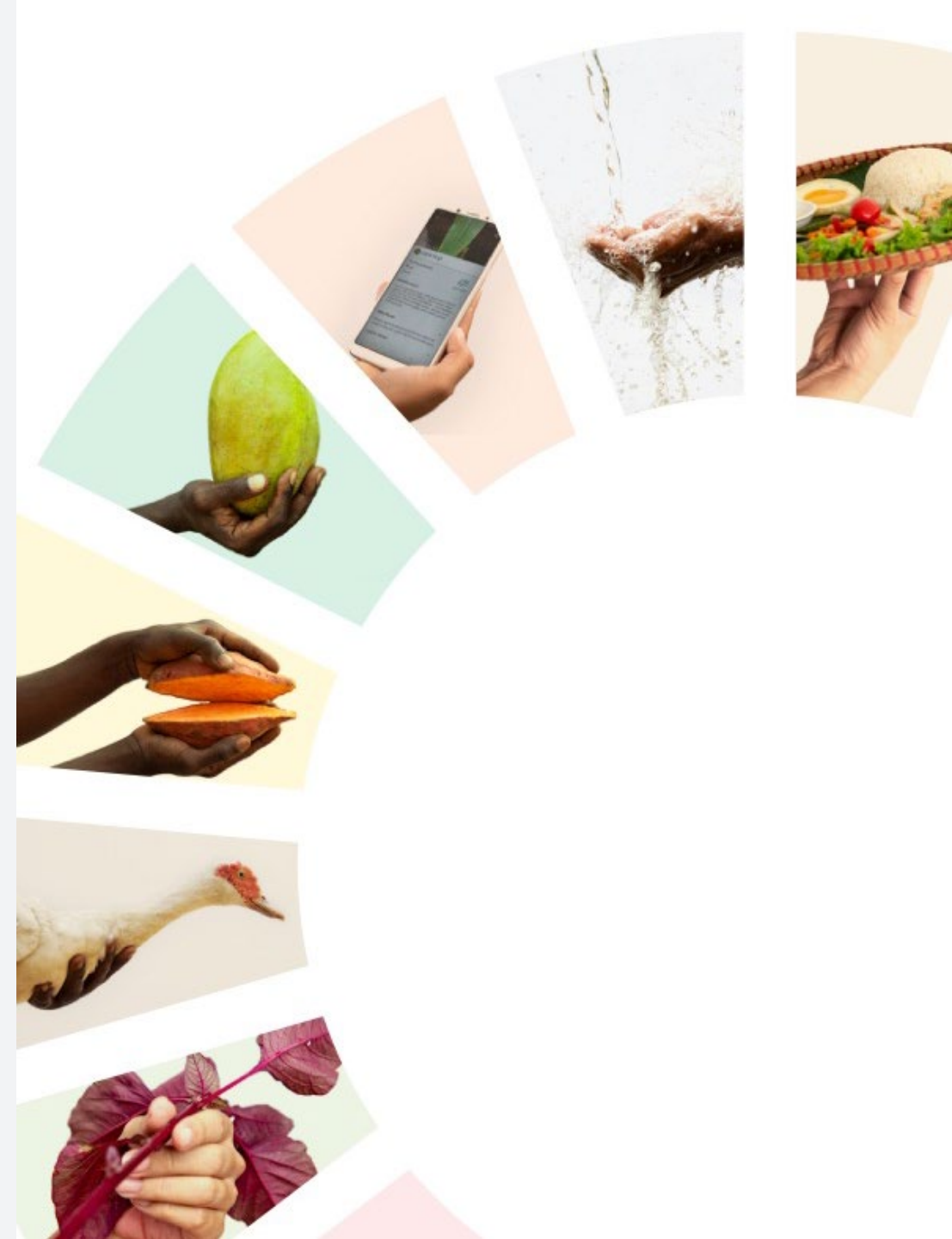
- a. Presenting the 2022-0224 Investment Plan
- b. Taking into account independent science advice: from plan to proposals
- c. Recommending the Investment Plan
- d. Discussion and decision-making

Documents:

SC13-02 CGIAR 2022-2024 Investment Plan

## SC13-03\_ISDC progress

SC13-04\_ISDC commentary



## Key feedback received from System Council members and ISDC

---

**Coherence:** move from a prospectus of possible work to a portfolio of coherent priority investments in robust science, embedded in innovation systems and impact pathways.

**Prioritization:** clear mechanisms and rationales for allocating incoming resources across selected Initiatives, as Initiatives are to be fully funded from pooled funding only.

**Funding modalities:** refining and implementing recommendations on the W1 and W2 mechanisms for funding of Initiatives.

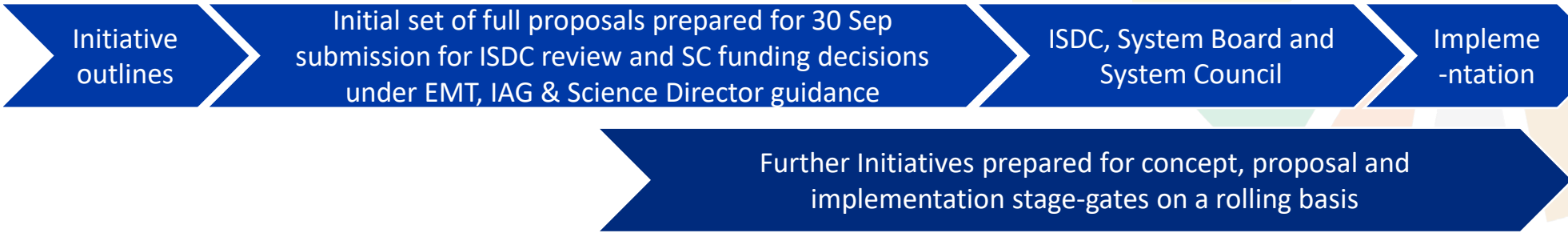
**Additional ISDC advice:** attention to partnerships with research organizations, and continuation of key legacy work, based on comparative advantage.

**Assurance:** provision of annual technical and financial reporting on each Initiative, against performance and results metrics specified in the full proposals.

# Process to develop 2022-24 Investment Plan and to develop Initiatives



Initiative design



Oversight and accountability

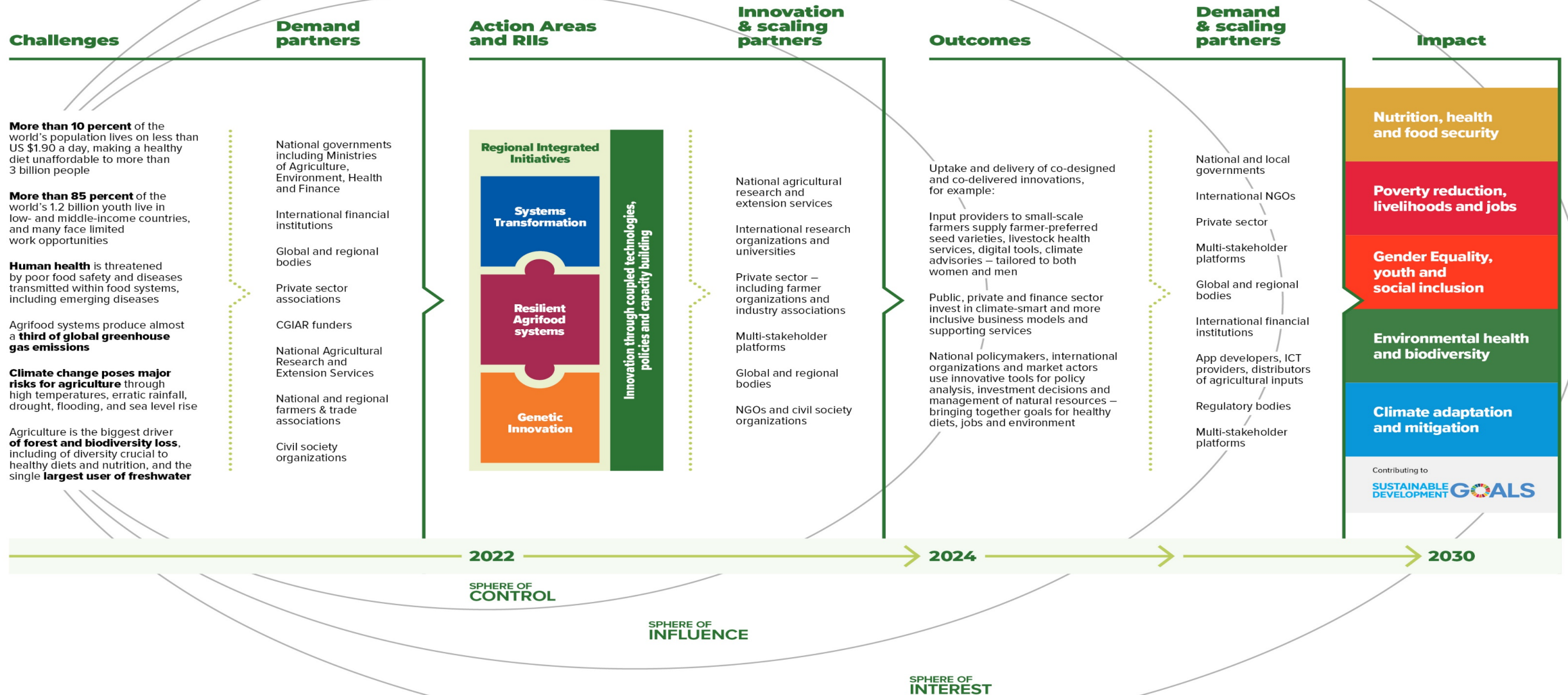


Portfolio coherence

Iterative design process advised by the Investment Advisory Groups to enhance **geographic** and **strategic** coherence and impact

Iterative process as further Initiatives are proposed, considered for Investment Plan, developed, approved and implemented

# CGIAR-level Theory of Change aligned with 2030 Research and Innovation Strategy





## Systems Transformation Initiatives

**ClimBeR: Building systemic resilience against climate variability and extremes**

Transforming food systems from **greenhouse gas sources to sinks (S2S)**

**NEXUS gains: Realizing multiple benefits across water-energy-food-forest-biodiversity systems**

**Transformational agroecology** across food, land and water systems

Rethinking food **markets and value chains** for inclusion and sustainability

**HER+: Harnessing equality** for resilience in the agrifood system

**VF-Nutri: Reducing malnutrition with vegetables and fruits**

**SHIFT: Sustainable healthy diets** through food systems transformation

**Foresight and metrics** to accelerate inclusive and sustainable agrifood system transformation

Harnessing **digital technologies** for decision-making across food, land, and water systems

**National policies and strategies** for systems transformation

## Regional Integrated Initiatives



**West & Central Africa**

Market-driven, resilient and nutritious agrifood systems in the humid zones of West and Central Africa (WCA)



**East & Southern Africa**

Ukama Ustawi (U2): Water-secure and climate-resilient agricultural livelihoods in East and Southern Africa



**Central & West Asia & North Africa**

From fragility to resilience: Transforming responses to drought and climate variability



**Southeast Asia & the Pacific**

Securing the **Asian Mega-Deltas** from sea-level rise, flooding, salinization and water insecurity



**South Asia**

Transforming agrifood systems in South Asia (TAFSSA)



**Latin America & the Caribbean**

Resilient and sustainable agrifood systems for global food security, inclusive growth and reduced out-migration

## Resilient Agrifood Systems Initiatives

**ASPIRE: Building integrated, climate and crisis-resilient agrosilvopastoral food systems**

**Sustainable intensification** of mixed farming systems

Resilient cities through sustainable **urban and peri-urban agrifood systems**

**Sustainable animal productivity** for livelihoods, nutrition and gender inclusion (SAPLING)

**ANIMALS: Climate smart solutions for livestock systems**

Protecting human health through a **One Health** approach

**Resilient aquatic foods** for healthy people and planet

**Excellence in agronomy: Solutions** for agricultural transformation (EiA)

**Plant health** and rapid response to protect food and livelihood security

**Nature-positive solutions** for productivity, resilience and inclusive growth

## Genetic Innovation Initiatives

Enabling tools, **technology and services** for genetic gains

**Accelerated breeding:** Meeting farmers' needs with nutritious, climate-resilient crops

**Genebanks:** Conservation and use of genetic resources

Accelerated crop improvement through **precision genetic technologies**

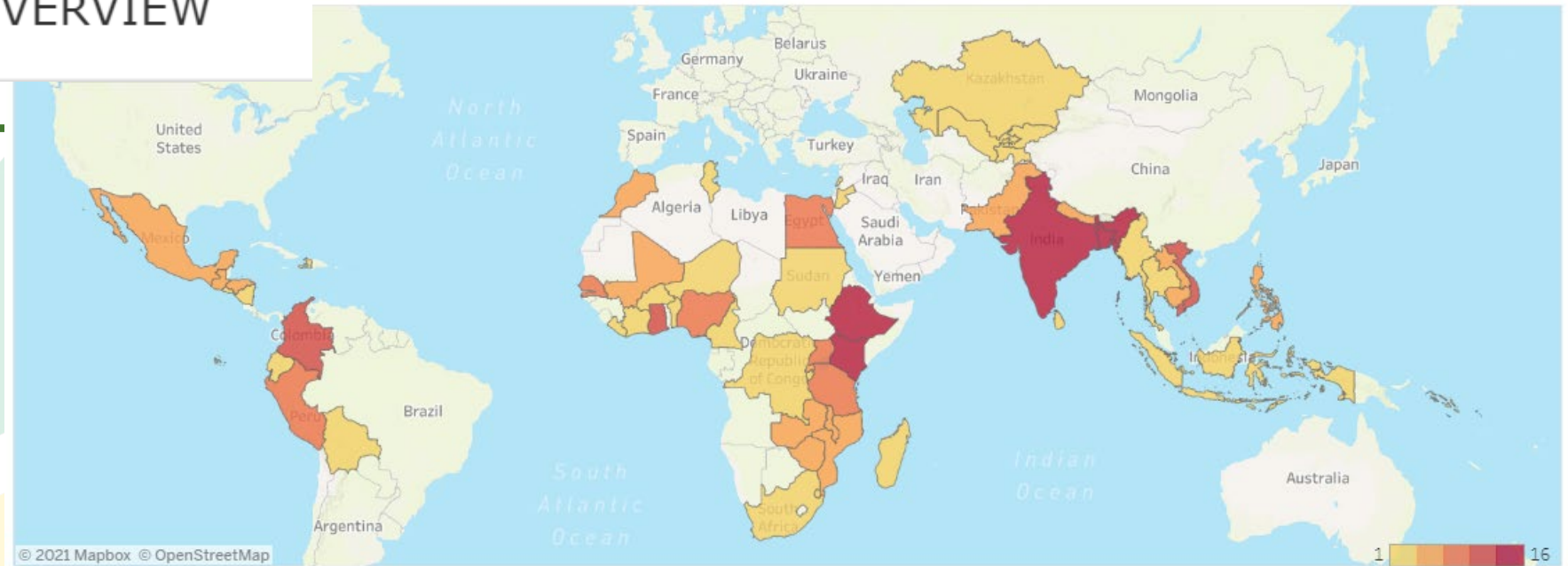
**Market intelligence** for more equitable and impactful genetic innovation

**SeEdQUAL: Delivering genetic gains in farmers' fields**







Initiatives  
dashboard:  
Preliminary  
geographic scope

## Geographic Scope



## Initiative List

Initiative Title	Leaders	Action Area	2022-24 Pooled Funding Target	
ASPIRE - building integrated agrisilvopastoral food systems resilient to climate change and other crises	Mounir Louhaichi, Fiona Flintan	Resilient Agri-food Systems	\$30 - \$30 M	
Accelerated Breeding: Meeting Farmers' Needs with Nutritious, Climate-Resilient Crops	Michael Quinn, Clare Mukankusi	Genetic Innovation	\$20 - \$85 M	
Accelerated Crop Improvement through Precision Genetic Technologies	Inez Slamet-Loedin, Marc Ghislain	Genetic Innovation	\$25 - \$30 M	
ActionNs for Innovative climate change Mitigation & Adaptation of	Dolly Erickson, Jacobo Arango	Resilient Agri-food Systems	\$30 - \$30 M	

Available at: <https://sites.google.com/cgxchange.org/performance/dashboards>



## PRELIMINARY CGIAR INITIATIVES OVERVIEW

CGIAR Regions

(All)

Initiative Title

(All)

### Impact on SDGs



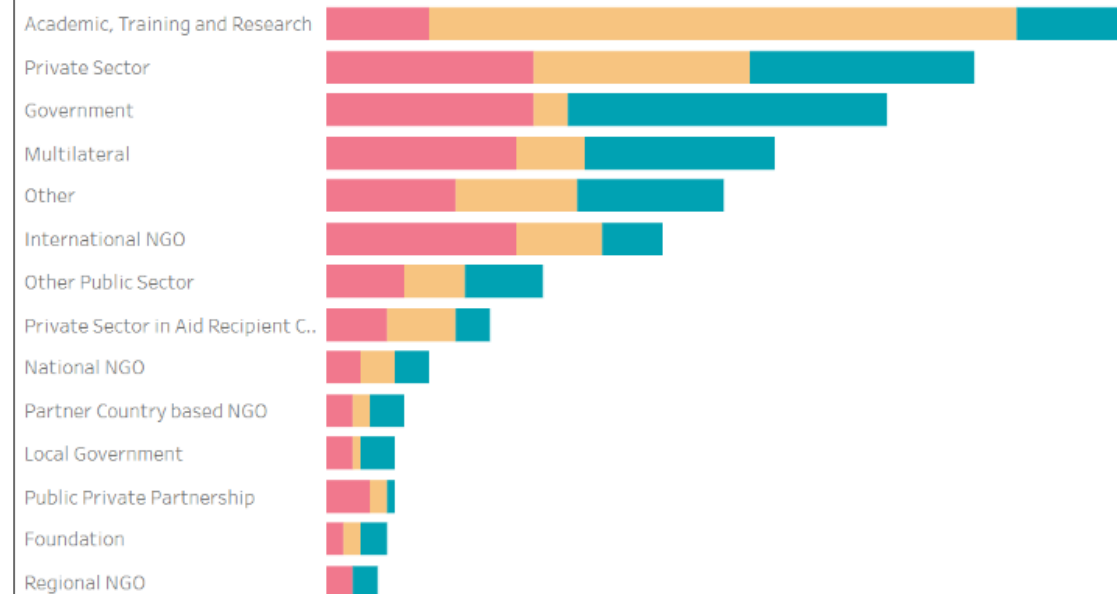
### Initiatives by Action Area

**Genetic Innovation**  
**6**

**Resilient Agri-food Systems**  
**16**

**Systems Transformation**  
**10**

### Key Partners by Organization Type



• Demand | • Innovation | • Scaling

Initiatives  
dashboard:  
Preliminary  
identification of  
key partners

Available at: <https://sites.google.com/cgxchange.org/performance/dashboards>

# Action Area: Systems Transformation



## Thematic Initiatives

ClimBeR: Building Systemic Resilience against Climate Variability and Extremes

Transforming Food Systems from Greenhouse Gas Sources to Sinks (S2S)

Rethinking Food Markets and Value Chains (Re-MVC) for Inclusion and Sustainability

Transformational agroecology across food, land and water systems

NEXUS Gains: Realizing Multiple Benefits Across Water-Energy-Food-Forest-Biodiversity Systems

SHiFT: Sustainable Healthy Diets through Food Systems Transformation

VF-Nutri: Reducing Malnutrition with Vegetables and Fruits

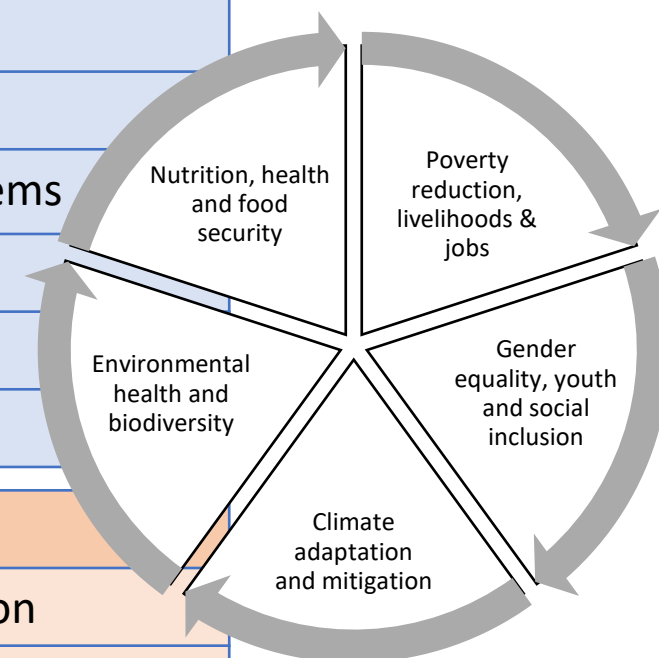
HER+: Harnessing Equality for Resilience in the Agri-food System

## Cross-thematic Initiatives

Foresight and Metrics to Accelerate Inclusive and Sustainable Agri-food System Transformation

National Policies and Strategies for Food, Land and Water Systems Transformation

Harnessing Digital Technologies for Timely Decision-Making across Food, Land, and Water Systems

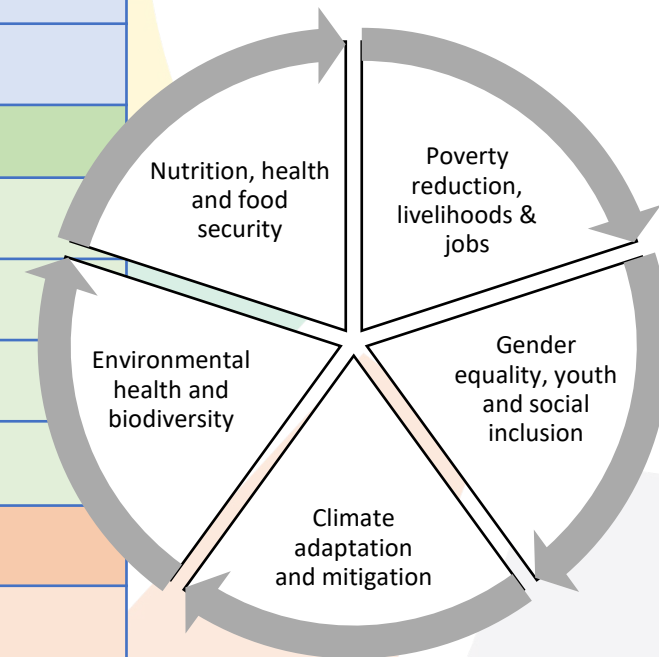


## Systems Transformation Theory of Change

- Informing and guiding catalytic change to achieve impact across all five Impact Areas:
  - Improved, safer diets
  - Increased incomes
  - More opportunity for women, youth and marginalized groups
  - Greater adaptive capacity under climate change
  - A lower environmental footprint of food systems through increased water use efficiency, biodiversity and reduced greenhouse gas emissions.
- Working with partners (e.g. policymakers, the private sector and civil society) to generate and utilize interdisciplinary research to identify transformative, inclusive innovations, practical solutions, policies and strategies.
- Enabling utilization of CGIAR's innovative tools and data for decision-making – including those developed by the other two Action Areas – to transform food, land and water systems.
- Science-based assessments and enhanced foresight will provide smallholder farmers, value chain actors and development agencies with increased means and skills to adapt to climate change.
- Advanced analytics will inform policy reform priorities, national budget allocations and major investments.

## Action Area: Resilient Agri-Food Systems

<b>Crops</b>
Excellence in Agronomy: Solutions for Agricultural Transformation (EiA)
Nature-Positive Solutions: Enhancing productivity and resilience, while safeguarding the environment, and promoting inclusive growth within communities
Plant Health and Rapid Response to protect Food and Livelihood Security
<b>Livestock and Aquatic Foods</b>
Protecting human health through a One Health approach
Sustainable Animal Productivity for Livelihoods, Nutrition and Gender inclusion (SAPLING)
Resilient Aquatic Foods for Healthy People and Planet
ActionNs for Innovative climate change Mitigation & Adaptation of Livestock Systems (ANIMALS)
<b>Farming systems</b>
Resilient Cities through Sustainable Urban and Peri-urban Agrifood Systems
Sustainable Intensification of Mixed Farming Systems
ASPIRE - building integrated Agri-Silvo-Pastoral food systems resilient to climate change and other crises



# Action Area: Resilient Agri-Food Systems



## Regional Integrated initiatives

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

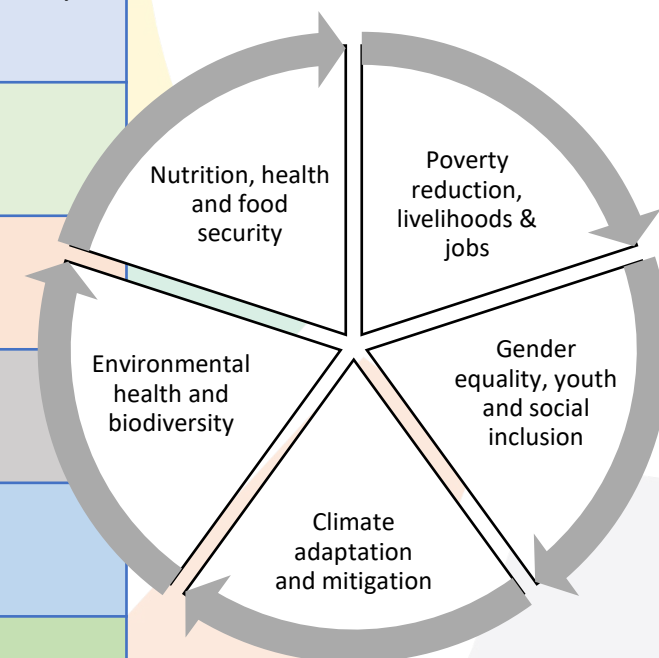
**WCA:** Market-driven, resilient and nutritious agrifood systems in the humid zones of West and Central Africa (WCA)

**CWANA:** From fragility to resilience in Central and West Asia and North Africa (F2R-CWANA): Transforming responses to drought and climate variability

**ESA:** Ukama Ustawi (U2) water-secure and climate-resilient agricultural livelihoods in East and Southern Africa

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

**SA:** Transforming agrifood systems in South Asia (TAFSSA)





## Resilient Agri-Food Systems Theory of Change

- The Crop and Livestock & aquatic foods Initiatives: Focus on technologies, practices, and climate risk management strategies to increase productivity, resilience and incomes and help producers, businesses, organizations and governments adapt to climate change and contribute to sustainability goals.
- Farming systems Initiatives: Integrating and adapting innovations from the Crop and Livestock & aquatic foods Initiatives by assessing the synergies and trade-offs of social and technical innovations and by co-developing and promoting tailored decision-support tools, business models and digital services.
- Systemic challenges of drylands will be addressed by targeting livestock-based systems, where rangelands are dominant, and mixed crop-livestock systems with high risk of crop failure in low rainfall areas.
- The expected outcomes will result in more decent jobs, stable livelihoods, gender equality and affordable nutritious food, and generate co-benefits for soil health, water security, biodiversity and climate change.

## Action Area: Genetic Innovation



### Plant breeding

Accelerated breeding: meeting farmers' needs with nutritious, climate-resilient crops

Accelerated crop improvement through precision genetic technologies

Enabling tools, technology and services for genetic gains

### Genebanks

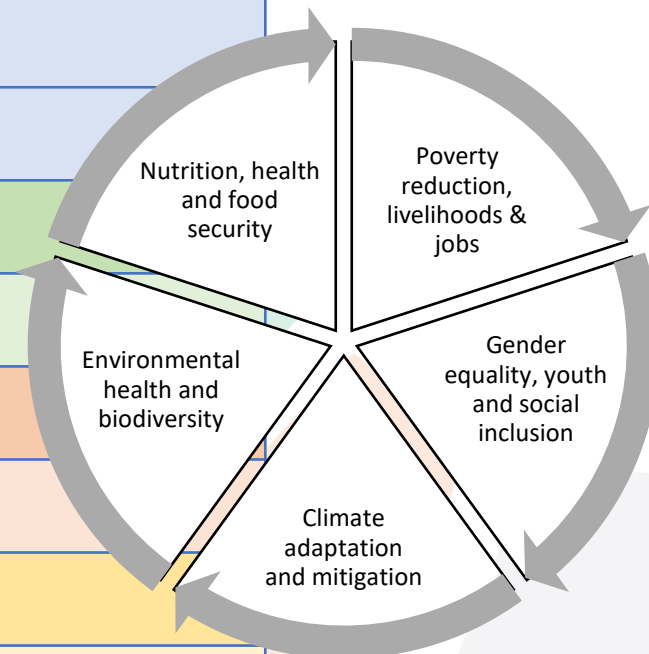
Conservation and use of genetic resources (Genebanks)

### Market intelligence

Market intelligence for more equitable and impactful genetic innovation

### Seed systems

SeEdQual: Delivering genetic gains in farmers' fields'



## Genetic Innovation Theory of Change

- Leading stewardship of genetic resources and addressing barriers to achieving rapid improvement of crop varieties, increasing genetic gain and varietal turn over in farmers' fields through:
  - 1) the conservation of genetic resources in genebanks and facilitating and expanding their use by breeders and other stakeholders;
  - 2) prioritizing breeding investments in market segments with highest potential for impact;
  - 3) developing new crop varieties delivering higher rates of genetic gain in farmers' fields;
  - 4) accelerating crop improvement through precision genetic technologies;
  - 5) enabling tools, technology and shared services to enhance efficiency and effectiveness of CGIAR and partners' breeding programs; and
  - 6) increasing seed sector actors' investments and effectiveness in scaling-up access for farmers to new varieties.
- Co-creating new partnership models with NARES and the private sector for priority setting, research, breeding and the scaling up of varieties.
- Achieving an enabling environment for testing and scaling by working synergistically with the other two Action Areas.
- Foundational and multiplier outputs and outcomes for crop-related innovations such as increased yield, biofortification, pest and disease resistance, and improved environmental tolerances, delivering benefits across all five Impact Areas.

## Independent Science Advice (video)



Advisory  
Services



Independent  
Science for  
Development  
Council

ISDC on the future of One CGIAR





Independent  
Science for  
Development  
Council

# Investments for One CGIAR

Holger Meinke, ISDC Chair

SC13: 9 June, 2021

Photo Credit: ICARDA



# Towards One CGIAR: the Investment Plan

We expect that our comments will further strengthen the emerging research portfolio based on

- **science** that will deliver the intended impacts
- overall **cohesion** of the Portfolio
- incorporating important **legacy** work that will be supported via the new Research Initiatives
- strategies that will lead to enduring **partnerships** with other **research** organizations
- viable **career paths** for early- and mid-career scientists

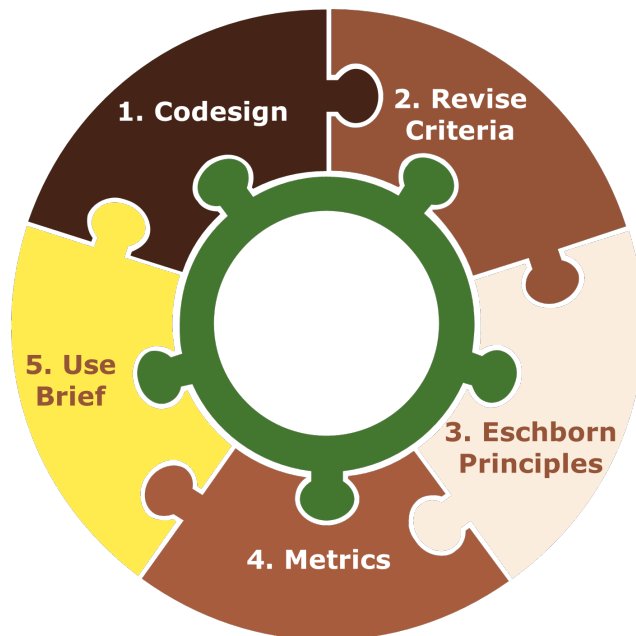


Photo Credit: 2011 Neil Palmer/CIAT



Photo Credit: Neil Palmer/CIAT





## Purpose

Provide strategic guidance & oversight to ensure a robust, impartial assessment of the

- focus,
- scientific excellence,
- adequacy of scientific & institutional research resource capacity, &
- potential for impact of funding requests for research proposals (TOR, p. 5)

## Method

- 3 external experts per Initiative led by an ISDC member
- Use of QoR4D 17 criteria for scoring
- Standardized templates for reporting

## Timeline

- Requires minimum of 8 weeks
- Sept 29 to Nov 30 for 2021

## Proactively managing risks

Four scenarios: What do we do if...

1. there is too much overlap in Initiative proposals ...
2. An Initiative proposal score is low & drastic revisions are recommended ...
3. The volume for ISDC review is greater than 20 Initiatives in late September ...
4. The minimum of 8 weeks for external review is not met?



# Thank You

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[isdc@cgiar.org](mailto:isdc@cgiar.org)

## Confirming decision taken during Agenda Item 3

### The System Council:

- Approves the 2022-2024 Investment Prospectus for the 3-year business period, pursuant to Article 6.1 a) iii. of the CGIAR System Framework; and
- Takes note of the process going forward, in which the Investment Prospectus and its set of Initiatives will be adaptively managed by the Executive Management Team, advised by the Investment Advisory Groups that are chaired by the Global Science Group Directors.



## Day 1 Closing

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Thank you.

Participants are asked to reconvene for Day 2 at  
9am Washington D.C time/ 3pm CET

