



# **CGIAR Global Thematic Initiatives (GTIs): Livestock + Aquatic Systems**

**Donor Meetings – Drop In Sessions (February 2023)**

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# Agenda

- 1. Opening/ Initial Remarks (CGIAR RAFS MD) – 10 min**
- 2. Initiatives: Detailed Presentations (Initiative Leads/ Co leads) – 10 to 15 min each**
  - LCSR
  - SAPLING
  - OneHealth
  - RAqFS
- 3. Q&A (All participants) – 40 to 50 min**
- 4. Final Remarks (CGIAR RAFS MD & SDs) – 10 min**

# The 'Perfect Storm' especially in Africa and South Asia

● Number of hungry people: now 700+ million mainly in SA and SSA: 3 billion suffering from malnutrition

● 2 billion more people in 2050 mainly in SA and SSA

● Climate change reducing yields, especially in SA and SSA

- Drought
- Heat

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● +COVID

● + Ukraine war !!!

- Food Prices
- Fertilizer cost



## Emerging/ Evolving crises

● Sudan: Political tensions amid regional drought and conflict

● Ethiopia: Climate change and continued conflict in different regions

● Afghanistan: The crisis after the conflict

● Pakistan: Recovering after devastating Floods in Pakistan

● With more coming every day



**Action: CGIAR with partners support innovations at scale**

# RAFS Overall Mission

Contribute with research to Agri-Food systems transformation for affordable, sufficient and healthy diets produced within planetary boundaries in a climate crisis ... :  
**Regional resilient production systems**

## Required innovations



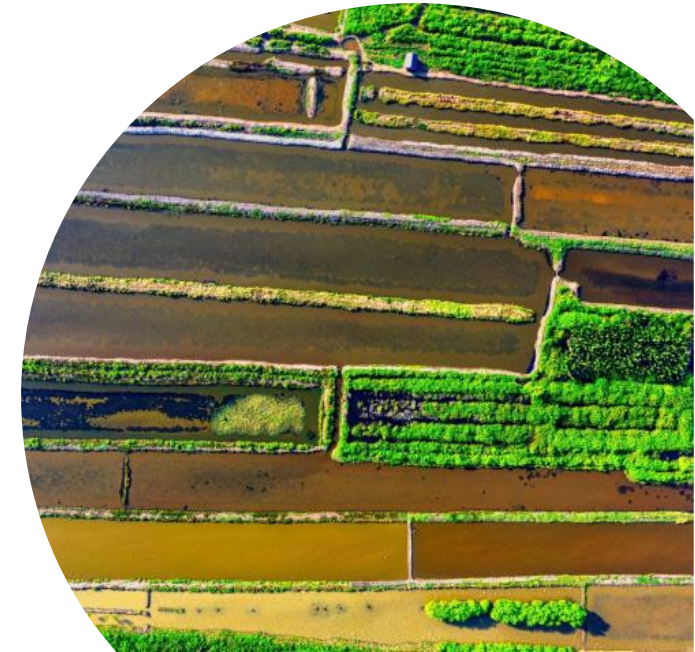
Genetics



Management



Governance



# What have we achieved with the OneCGIAR Transition so far ?



It's been two years since the ambitious OneCGIAR transition began. Working together, so far we have:

Launched the **2030 Research and Innovation Strategy**

Created a **new portfolio of research initiatives** (demand driven) with benefits across 5 Impact Areas; independent review ISDC, which are being implemented effectively and in an exemplary manner.

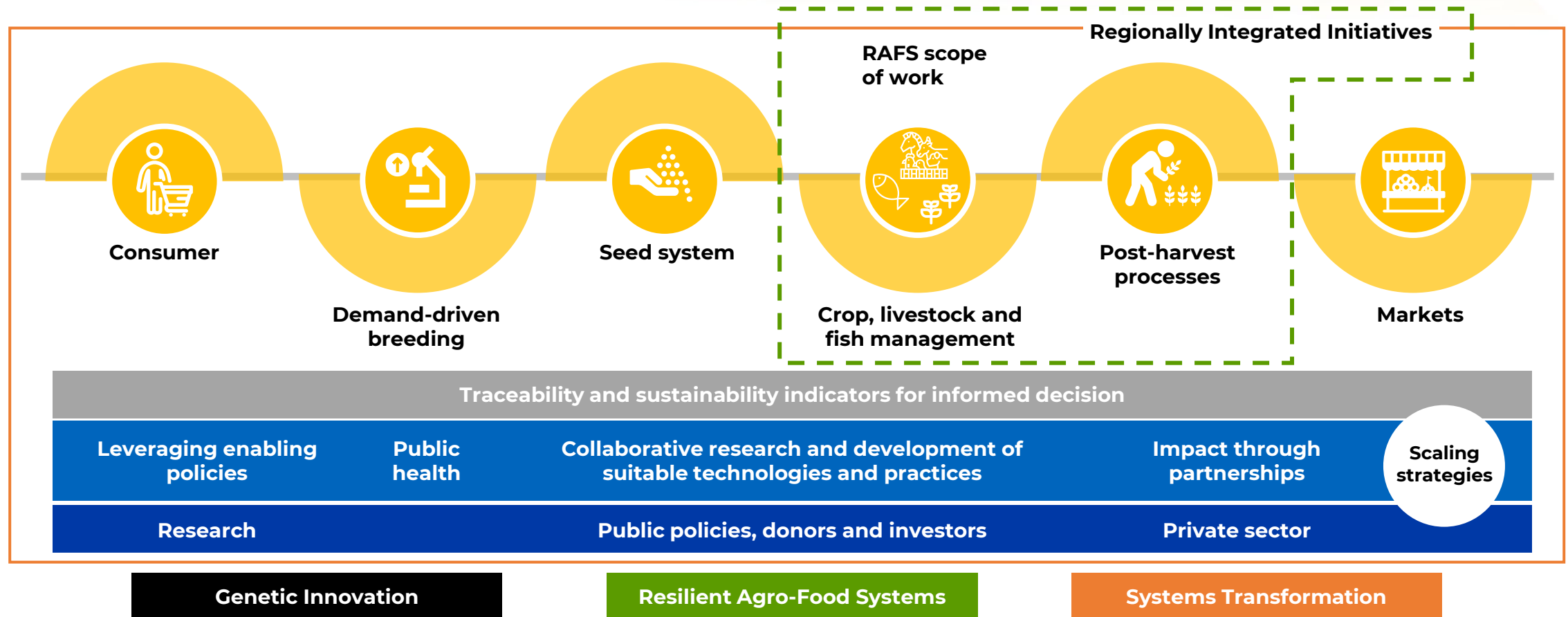
Mobilized more than **US \$1 billion** in funder pledges and commitments

Appointed the first **CGIAR System Board + Senior Leadership Team**

**New integrated operational structure** (Research Delivery & Impact + Global Engagement and Innovation + Institutional Strategy & Systems) with coordinated presence in six regions across the world (CWANA, ESA, WCA, SEA, SA, LAC)

Affiliated staff to new groups, informing and involving staff along the way (e.g., All staff webinars, Newsletters, Surveys, Transition Task Teams, etc.)

# RAFS: The integrative, cross-disciplinary science group for CGIAR's research on agri-food systems



As the 'heart' of the Agri-Food System, RAFA is the integrating science group assuring farm-level impact and coherence between CGIAR's work in genetics with markets and policy

# Initiatives cohesion and complementarity

**Livestock and Climate:** It aims to partner with public and private actors to develop and deliver actionable innovations that measurably help producers, businesses, and governments **adapt livestock agri-food systems to climate change and reduce greenhouse gas emissions**, contributing to sustainability and development goals across livestock systems.

**One Health:** It aims to demonstrate how One Health principles and tools integrated into food systems can help **reduce and contain zoonotic disease outbreaks, improve food and water safety, and reduce anti-microbial resistance**, benefitting human, animal and environmental health.

**Sustainable Animal Productivity:** It aims to transform livestock sectors in Ethiopia, Kenya, Mali, Nepal, Tanzania, Uganda and Vietnam to **make them more productive, resilient, equitable and sustainable**.

**Aquatic Foods:** It aims to transform the aquatic food system **to be healthier, fairer and more sustainable** and benefit consumers and producers of aquatic foods.



# Livestock + Aquatic Systems



Current challenges require livestock/aquatic sector stakeholders to better coordinate their work to adapt practices and demonstrate how livestock/aquatic systems can address a myriad of development issues (e.g., poverty, food and nutrition insecurity and increased risks of zoonotic disease transmission).

Addressing these challenges, requires linked technological, social and institutional innovations to achieve change. Likewise, trade-offs and synergies will arise between different domains of sustainability.

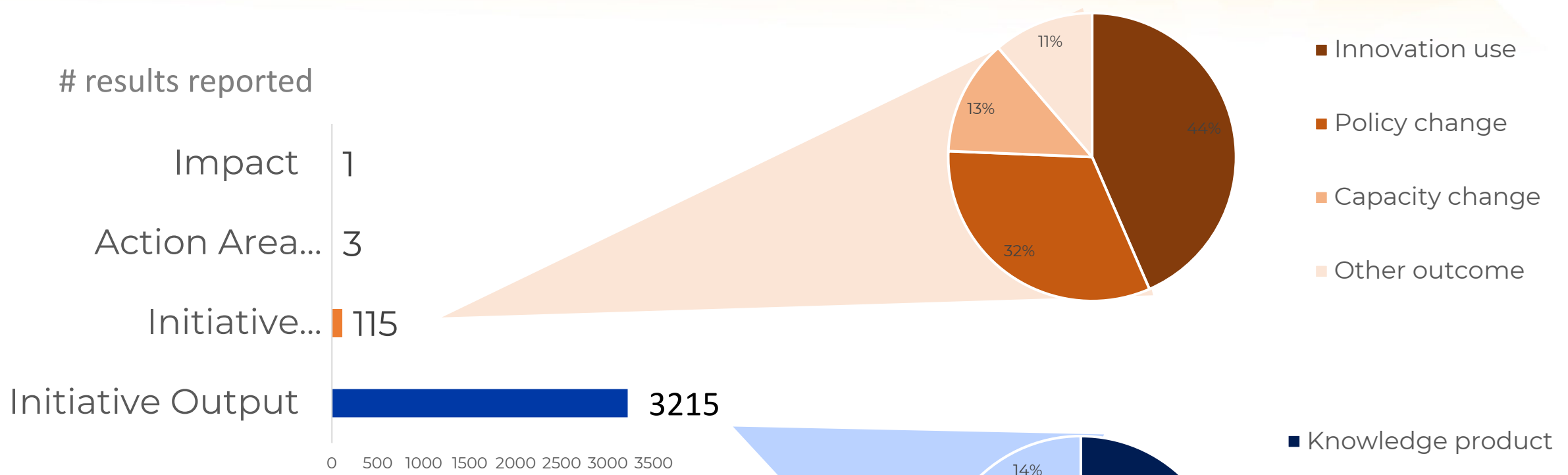
There are existing solutions to some of the challenges facing sustainable livestock and aquatic production which can be scaled up.

Addressing one aspect of livestock/aquatic production, such as genetics or feeding practices, can have benefits with other outcomes such as animal and human health or climate resilience.

Assessing the trade-offs between these areas needs more in-depth research working in partnership with communities and value chain actors.

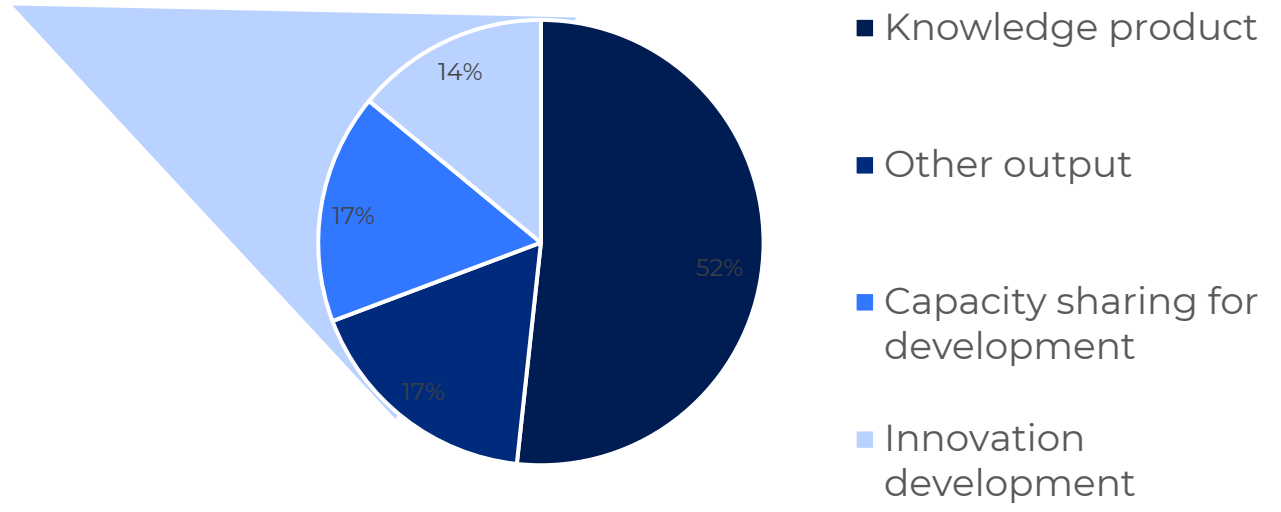


# Overview by Result Type

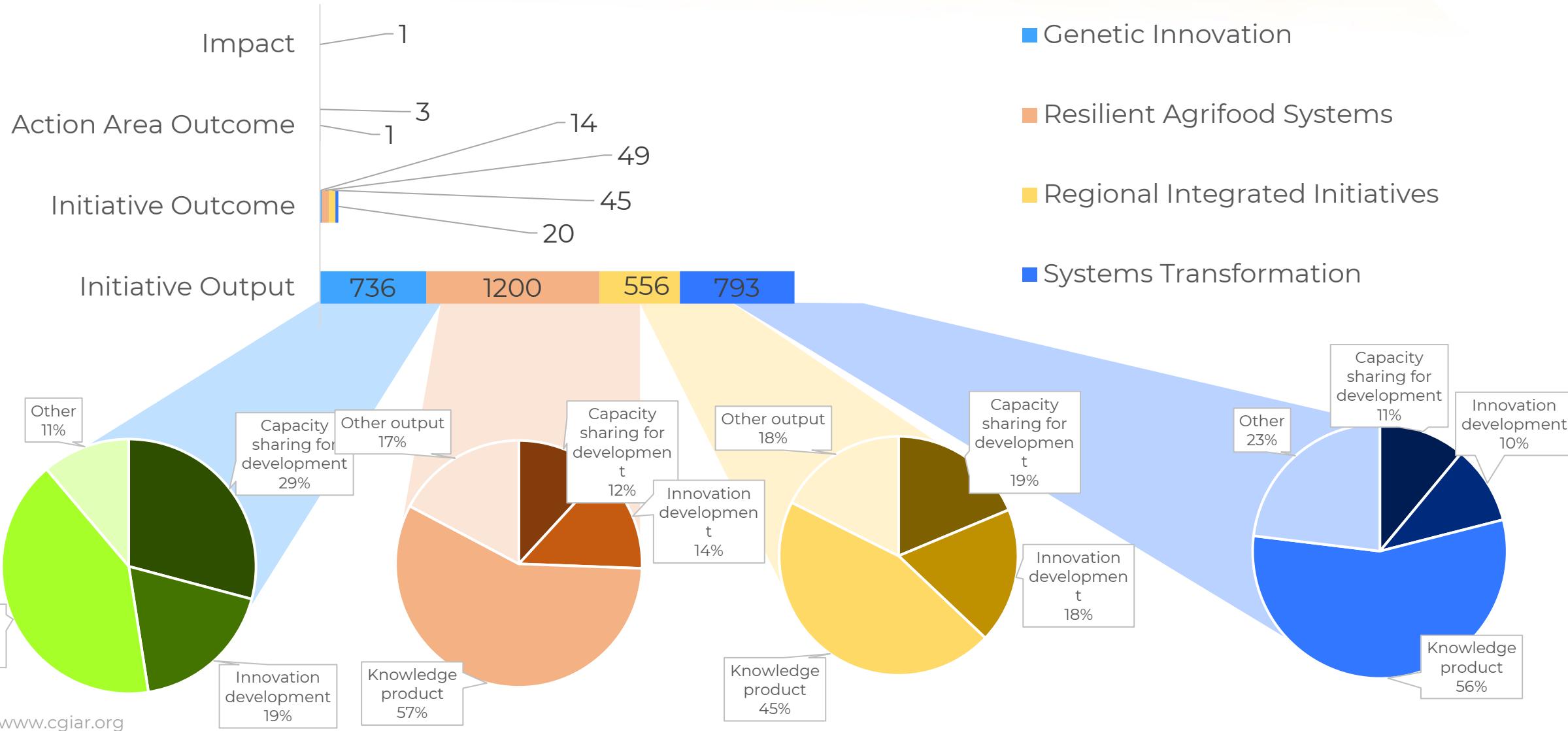


**Most year 1 results are at output level,** within which knowledge products contribute over 50%

The largest category of **outcome level results** were innovation use, at 44%



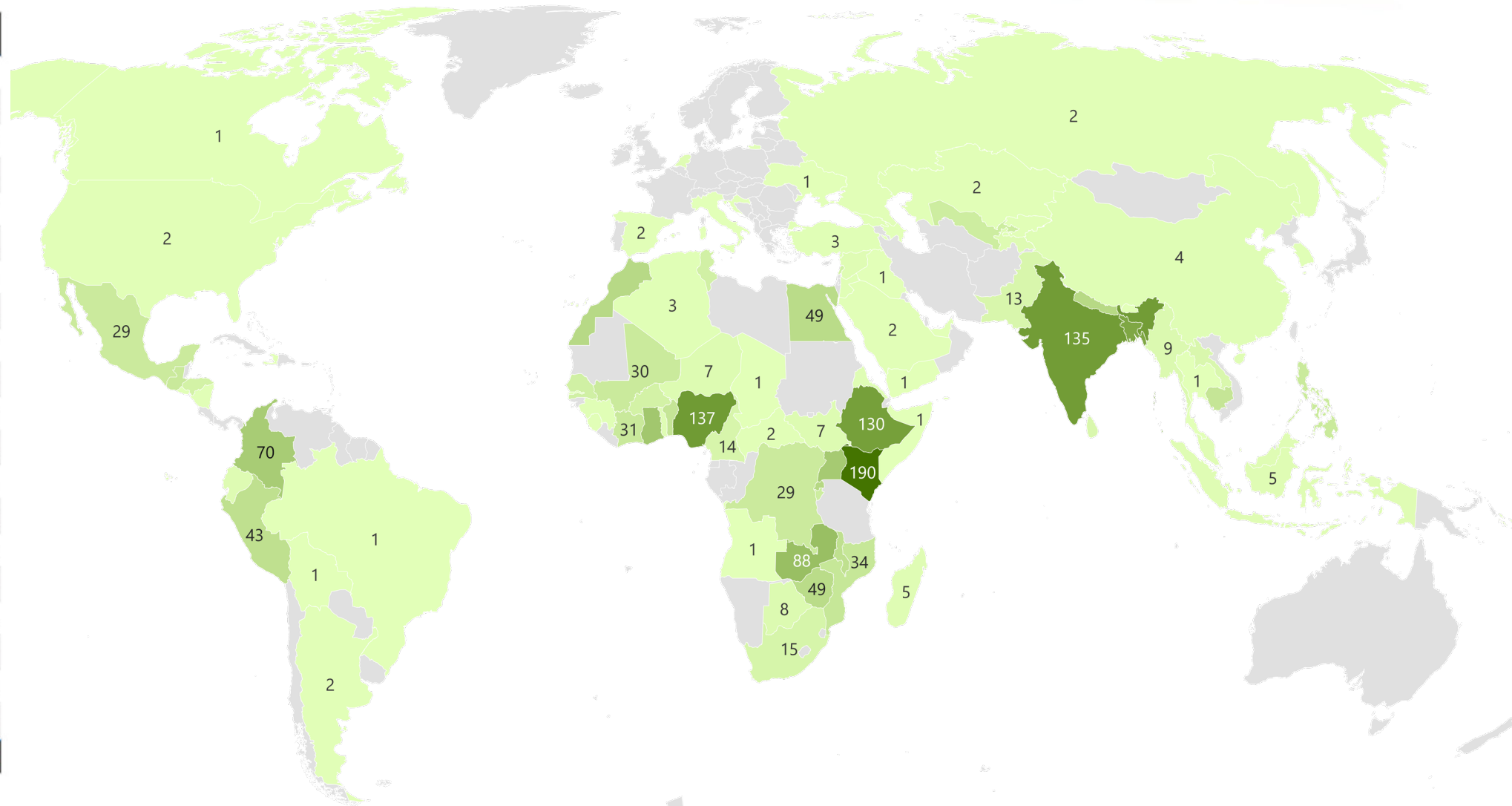
# Result Type by Action Area



# Results count by country

## Countries with most results

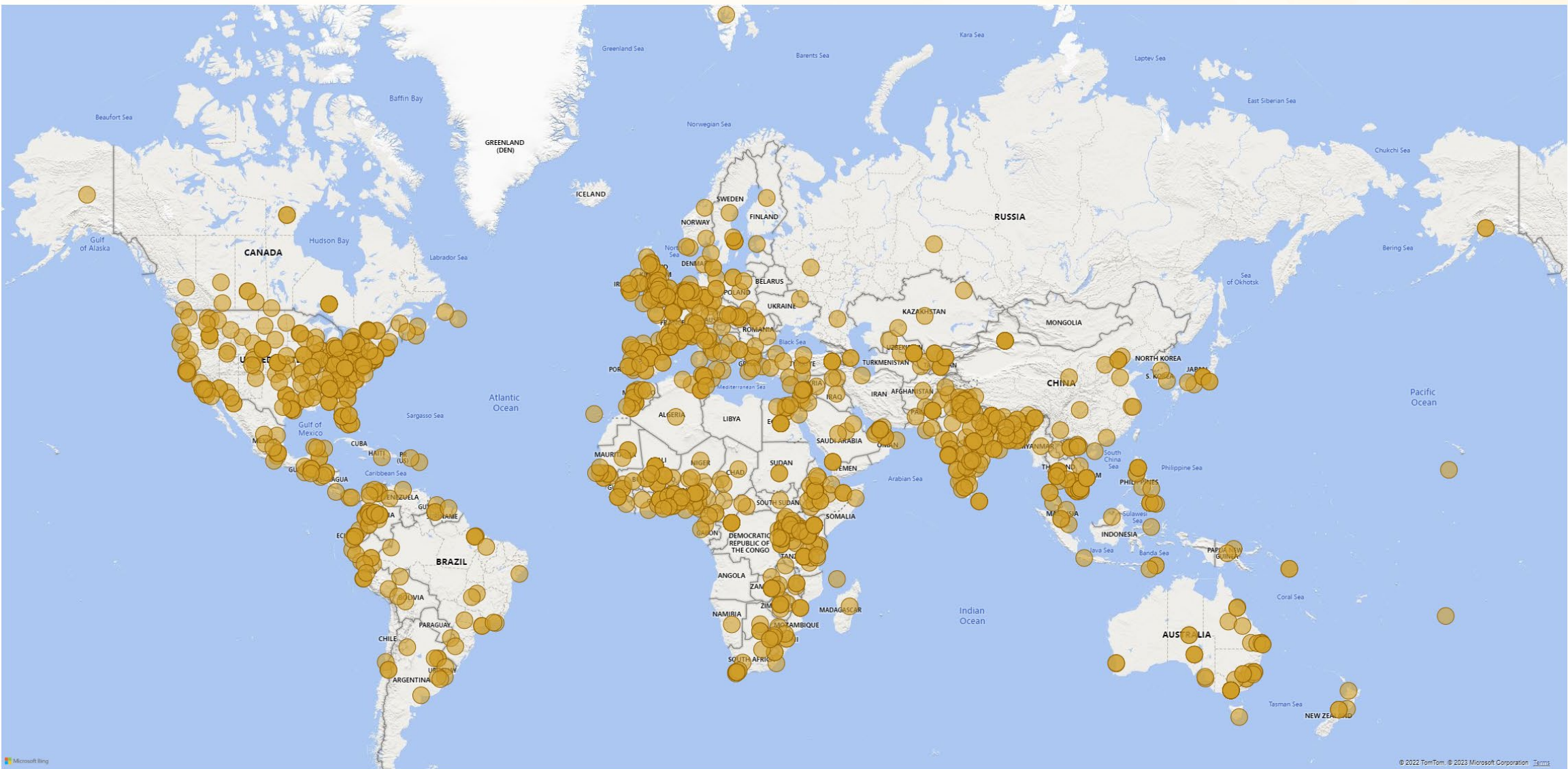
Country	Results
Kenya	191
Nigeria	140
India	136
Ethiopia	133
Bangladesh	127
Tanzania, United Republic	94
Zambia	89
The Socialist Republic of Viet Nam	80
Ghana	77
Uganda	73
Colombia	72
Rwanda	54
Nepal	53
Morocco	52
Egypt	50
Zimbabwe	49
Malawi	44
Peru	43
Cambodia	38
Benin	36
<b>Total</b>	<b>3370</b>



Initial analysis: subject to change as data QA is completed



# Partners **who co-delivered results** by partner HQ



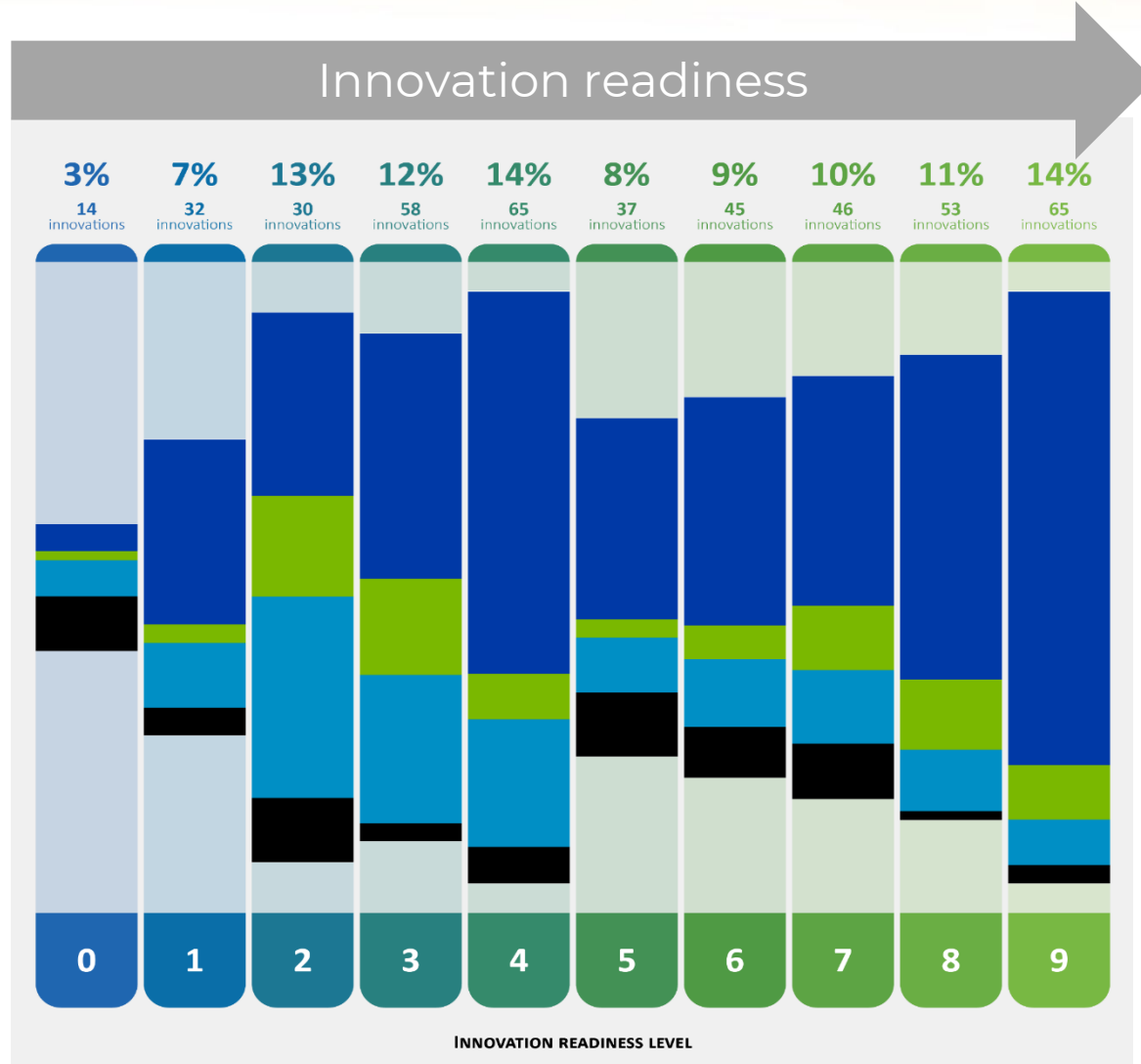
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475 innovations profiled

# Deep dive: the innovation pipeline

Pipeline overview: innovation readiness



- Technological Innovation
- Capacity Development Innovation
- Policy, Organizational and Institutional Innovation
- Other Innovation

**Thank You!**