



CIMMYT Strategy 2017 - 2022

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CIMMYT Director General

Maize and wheat science for improved livelihoods

From outside looking in: consulting donors and partners



Science Week 2015: The process begins



2017 – 2022:

What are we going to do differently?

- ONE CIMMYT
- Focus on agri-food systems
- Stronger alignment with CGIAR
- New approaches to donors
- More capacity building - CIMMYT Academy
- More public-private partnerships
- Results-based management



The big challenges



More



Less



Better



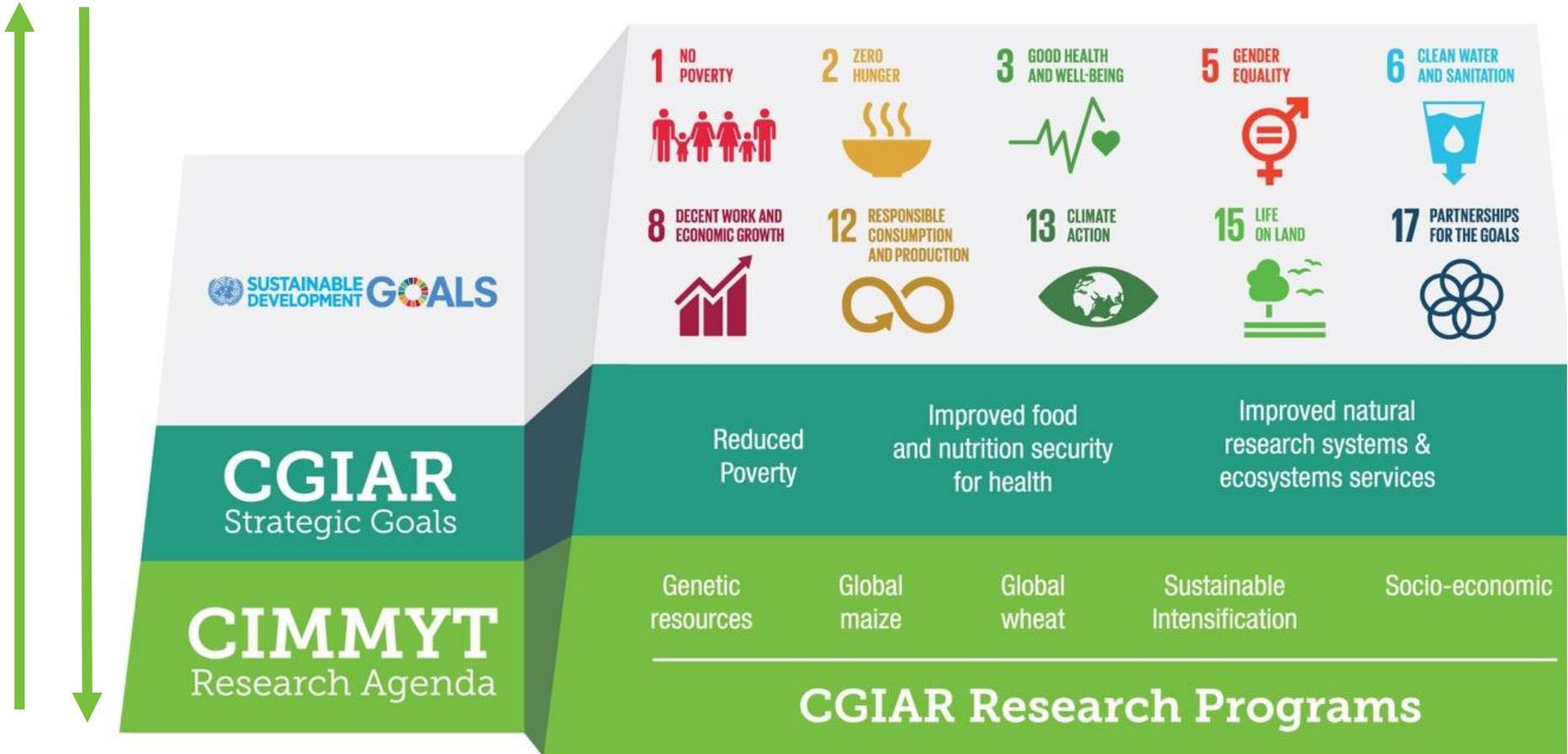
A change in thinking – from commodities to agri-food systems

Agri-food systems:

The **activities and relationships** that determine how food is **produced, processed, distributed and consumed**, together with the **human and biological systems** that shape these activities at every stage.



Contributing to the international development agenda



Contributing to the SRF

System level outcome 1: Reduce Poverty



More farm households have adopted improved varieties or management practices.

CGIAR GOAL

350 million

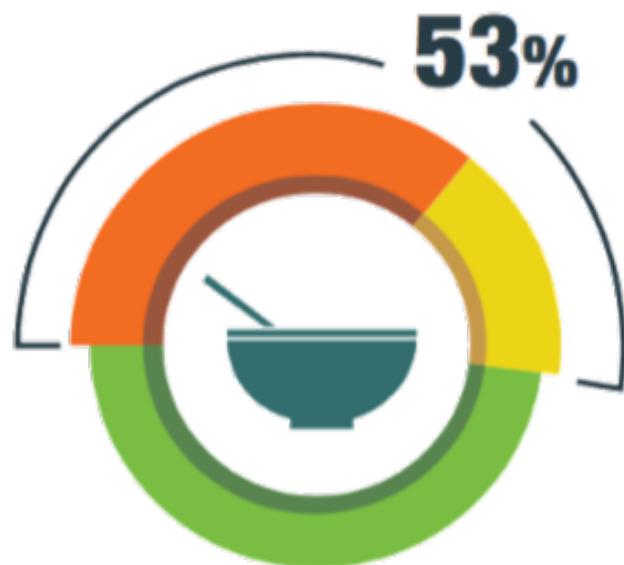
MAIZE

41 million

WHEAT

61 million

System level outcome 2: Improve food and nutrition security for health



More people meet minimum daily dietary requirements.

CGIAR GOAL



150 million

MAIZE



25 million

WHEAT



55 million



System level outcome 3: Improve natural resource systems and ecosystem services



15% reduction in
greenhouse gases compared
with business as normal.
(CGIAR LEVEL)



Looking out





Scientific excellence



1. Increasing research impact



2. Accelerating genetic gains through novel diversity and tools



3. Developing and improving access to stress-tolerant varieties



4. Sustainable intensification for improved livelihoods



5. Enhancing nutrition and processing quality





1. Increasing research impact



- Theories of change for all innovation pipelines
- Ex-ante and ex-post studies to guide research prioritization
- Monitor scaling out of key products





2. Accelerating genetic gains through novel diversity and tools



- Phenotype and genotype an increasing proportion of Genebank accessions
- Make genetic resources and informatics readily available
- Regularly provide 'bridging germplasm'
- Apply modern biotechnology techniques
- Excellence in breeding platform





3. Developing and improving access to stress resilient maize and wheat varieties



Maize

- Wide commercialization of new varieties and hybrids by seed companies
- Greater quantities of quality seed produced and marketed
- Rapid adoption rates by farmers
- Disease-resistance varieties will improve the life of farmers





3. Developing and improving access to stress resilient maize and wheat varieties



Wheat

- Rapid increase of farmers with access to most recent varieties
- Greater adoption of heat-tolerant varieties in South Asia
- Increasing number of farmers will use disease-resistant seeds
- Adoption of wheat blast-tolerant varieties will avert a food crisis in South Asia





4. Sustainable intensification to improve rural livelihoods



- Greater awareness of technological innovations
- Significant reduction in greenhouse gases emissions
- More efficient use of nutrient and water resources





5. Enhancing nutrition, food safety and processing quality



- Help a rising number of people meet daily dietary requirements
- Develop nutritious maize varieties (QPM, provitamin A, zinc)
- Develop nutritious wheat varieties (zinc, iron)
- Crop and dietary diversification through sustainable intensification





Cross cutting issues



Big Data



Open and equitable access for intellectual assets



Gender and youth





Impact through partnerships

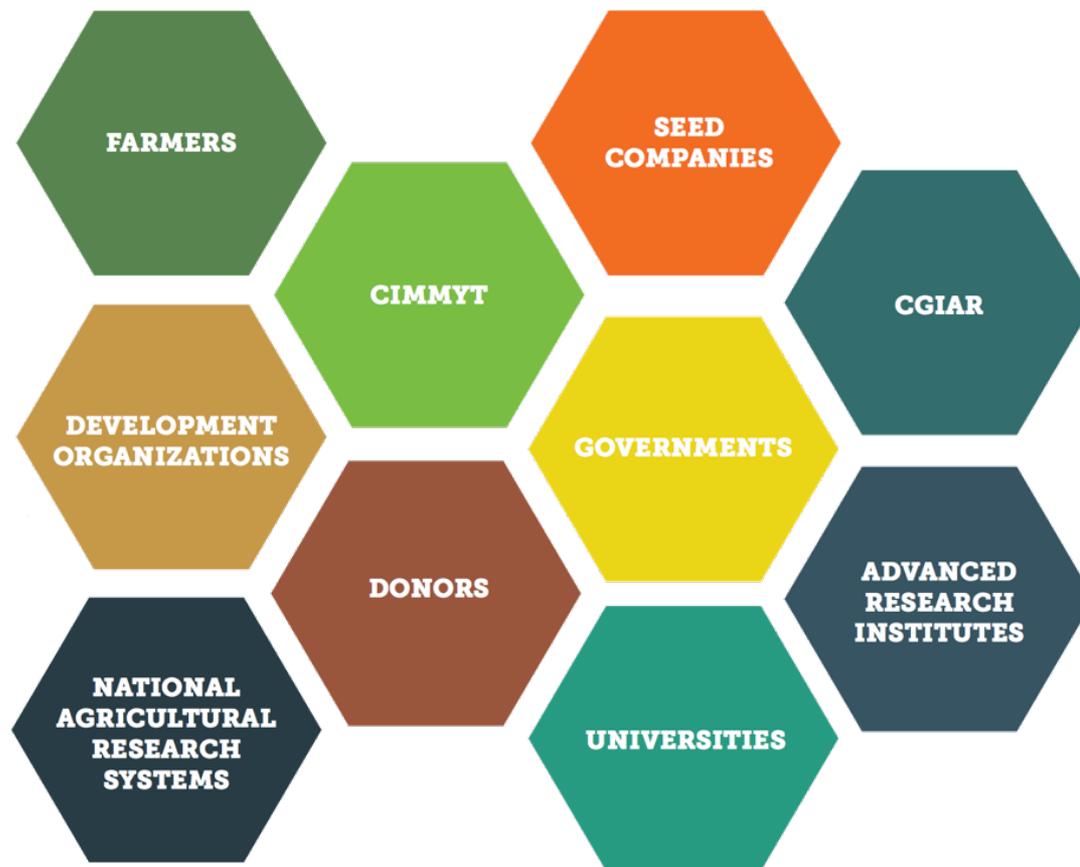


1. Work within **CGIAR** for research prioritization, monitoring, evaluation and learning
2. Research cropping systems and value chains with **advanced research systems and universities**
3. Support **national agricultural research systems** and governments conduct research for impact
4. Support **development partners** with technology validation, dissemination and adoption
5. Co-develop business models with the **private sector**





Impact through partnerships





Capacity building



- Attract brilliant young students and post-docs
- Develop the capacity of national partners through cooperation and training
- Maintain and expand training programs
- Strengthen capacities for dissemination of new technology





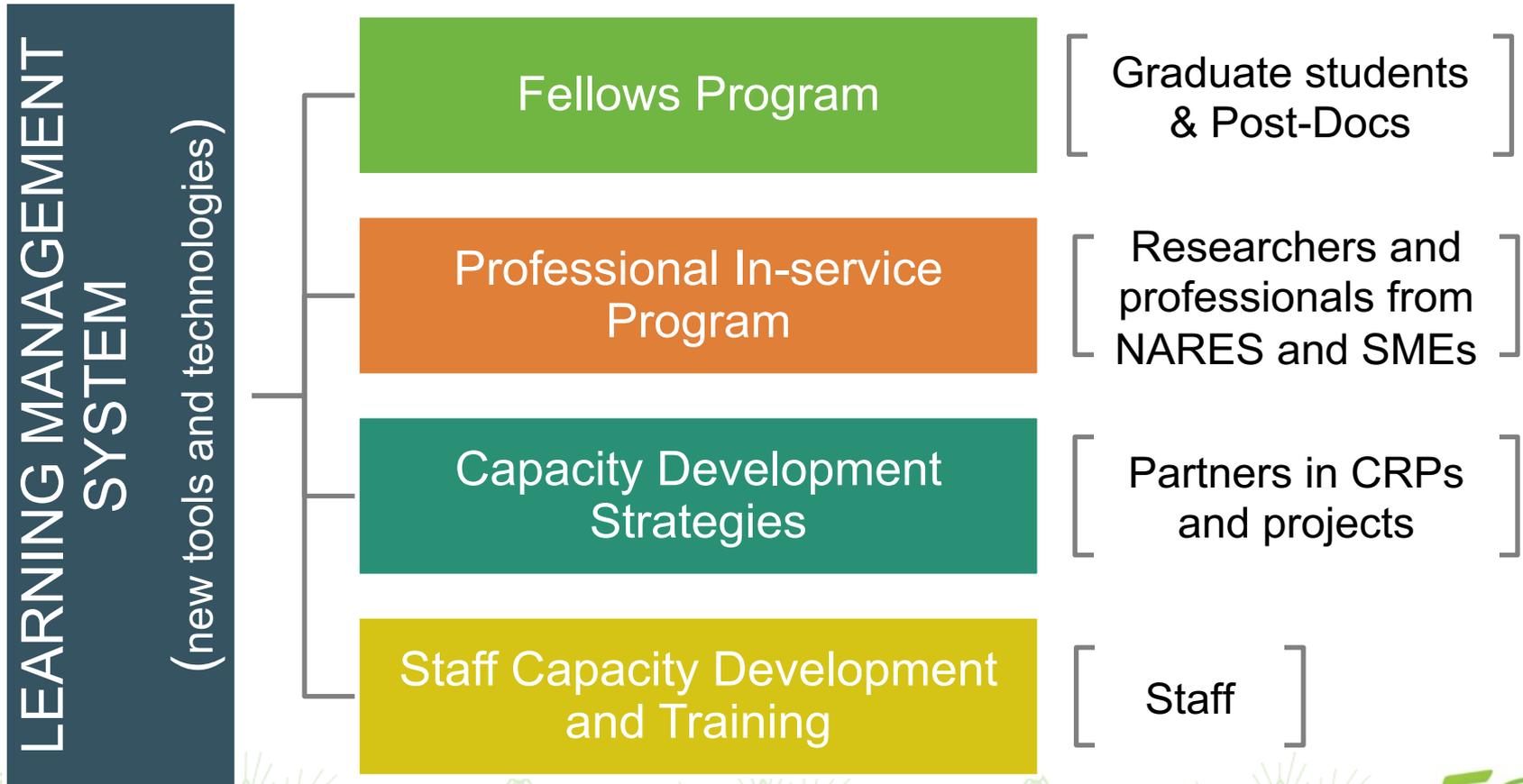
CIMMYT Academy

“
A new vision to consolidate training and capacity building, maximize learning and build an international cadre of agricultural scientists and development practitioners.





CIMMYT Academy



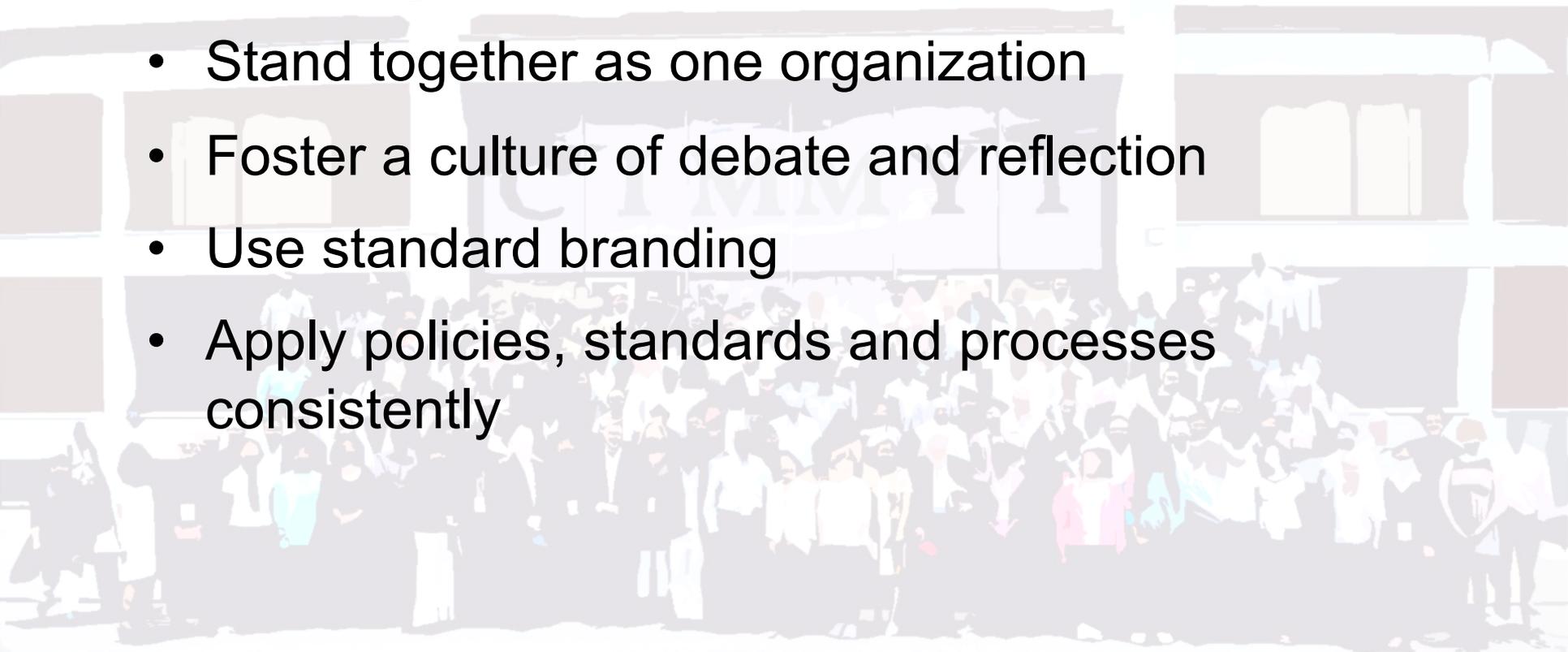
Looking in





ONE CIMMYT

- Apply values across the organization
- Work together
- Stand together as one organization
- Foster a culture of debate and reflection
- Use standard branding
- Apply policies, standards and processes consistently





**ONE CIMMYT
encompasses three
core values**



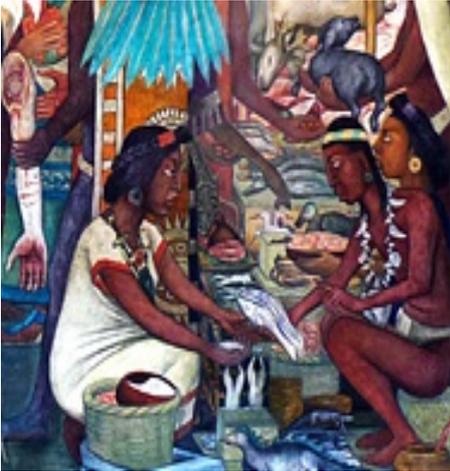
Implementing the strategy



- Yearly implementation plan, including monitoring progress of objectives
- Development and implementation of fundraising plan
- 2017 – focus on ONE CIMMYT
- Mid-term review in 2019
- Lead MAIZE and WHEAT and Excellence in Breeding Platform. Participate in three others.



Diego Rivera Tlatelolco Market Mural







Thank you!

