



# **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



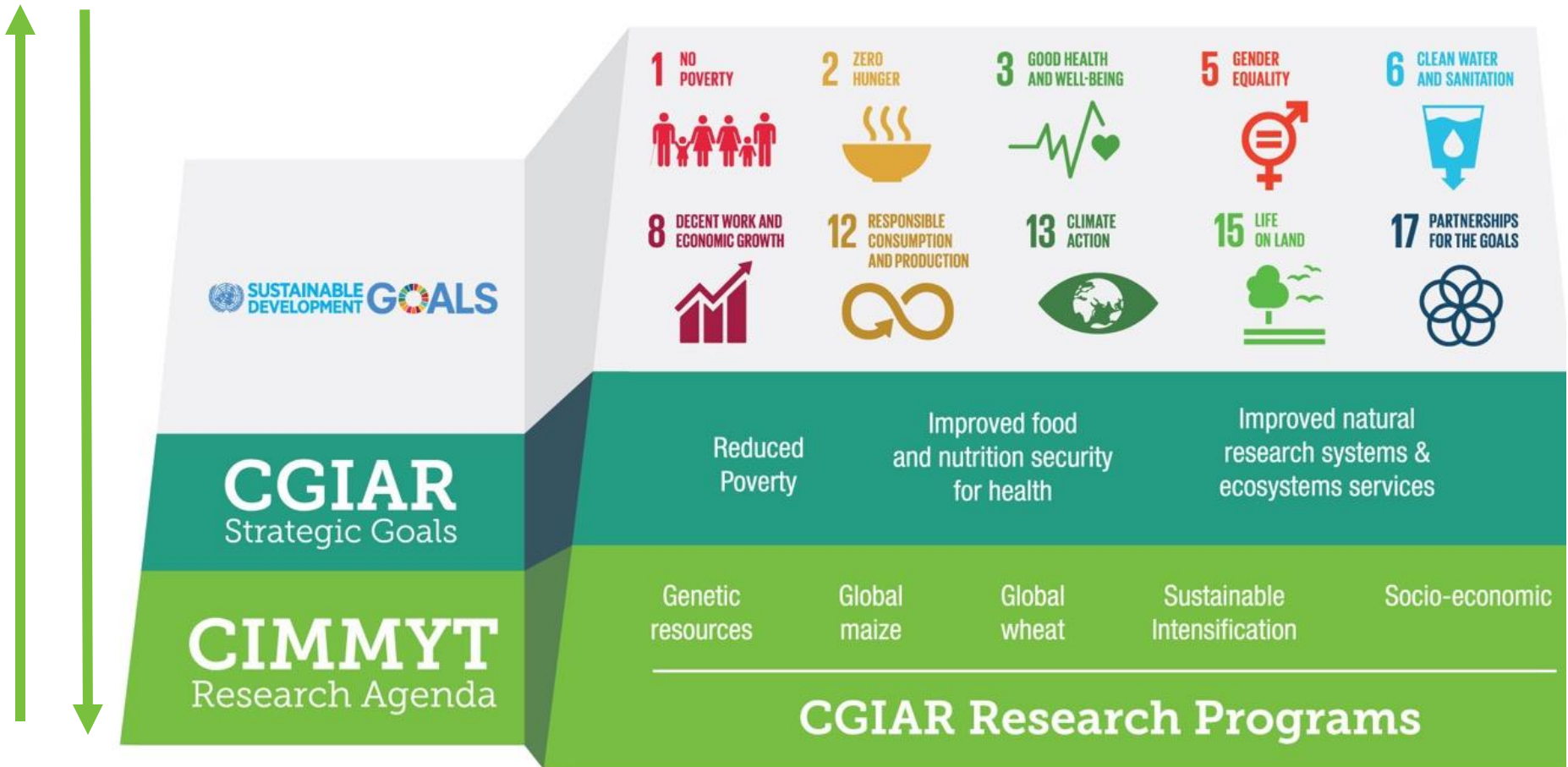
# A change in thinking – from commodities to agri-food systems

## *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

MAIZE

WHEAT

350 million

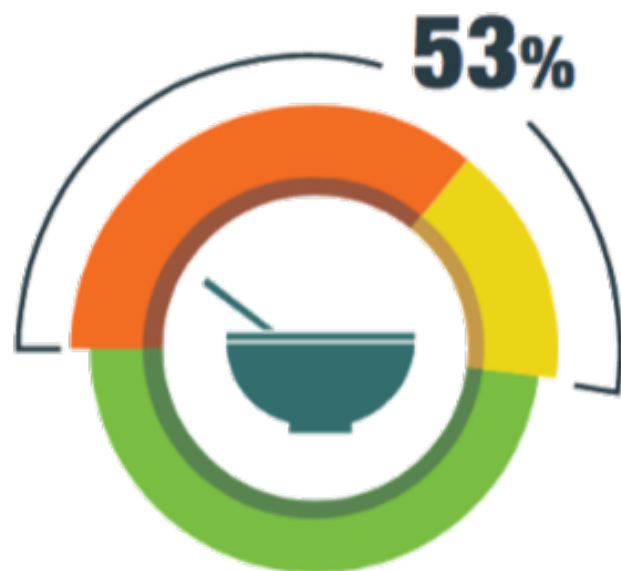
41 million

61 million





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



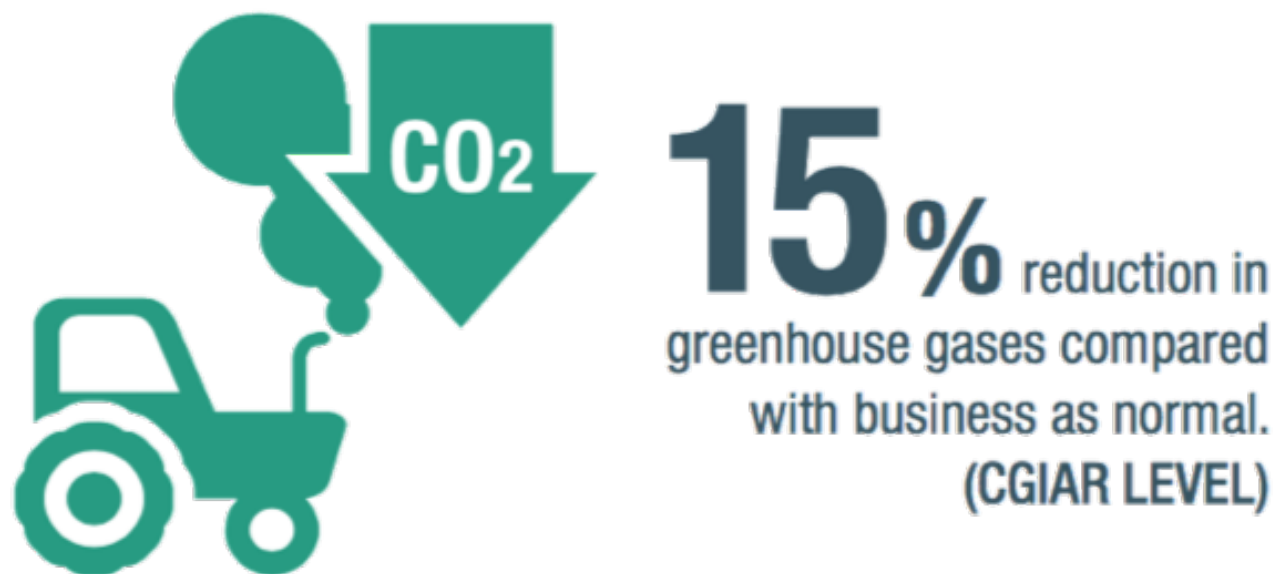
More people meet minimum daily dietary requirements.

CGIAR GOAL  
MAIZE  
WHEAT

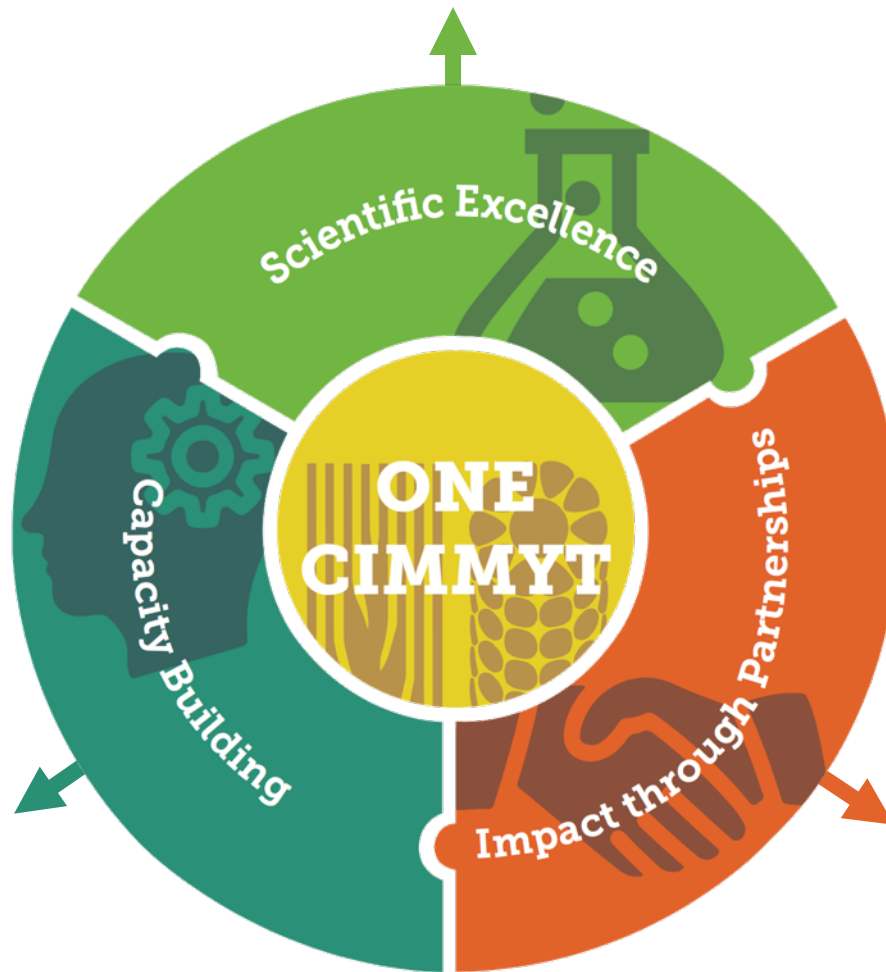
150 million  
25 million  
55 million



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



# 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

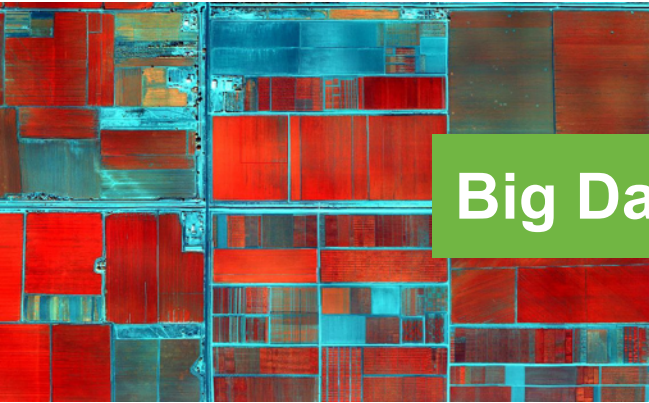


- Help a rising number of people meet daily dietary requirements
- Develop nutritious maize varieties (QPM, provitamin A, zinc)
- Develop nutritious wheat varieties (zinc, iron)
- Crop and dietary diversification through sustainable intensification





# Cross cutting issues



**Big Data**



**Open and equitable  
access for  
intellectual assets**



**Gender and youth**







# Impact through partnerships



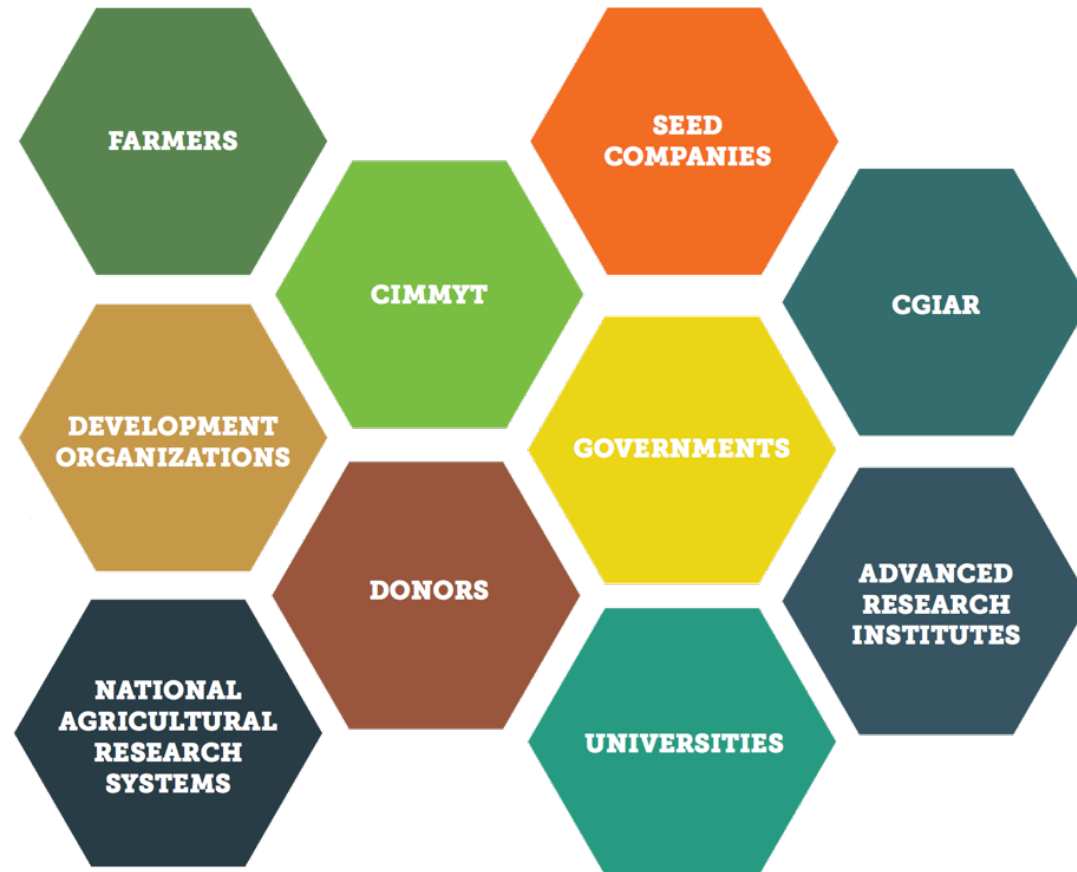
1. Work within **CGIAR** for research prioritization, monitoring, evaluation and learning
2. Research cropping systems and value chains with **advanced research systems and universities**
3. Support **national agricultural research systems** and governments conduct research for impact
4. Support **development 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

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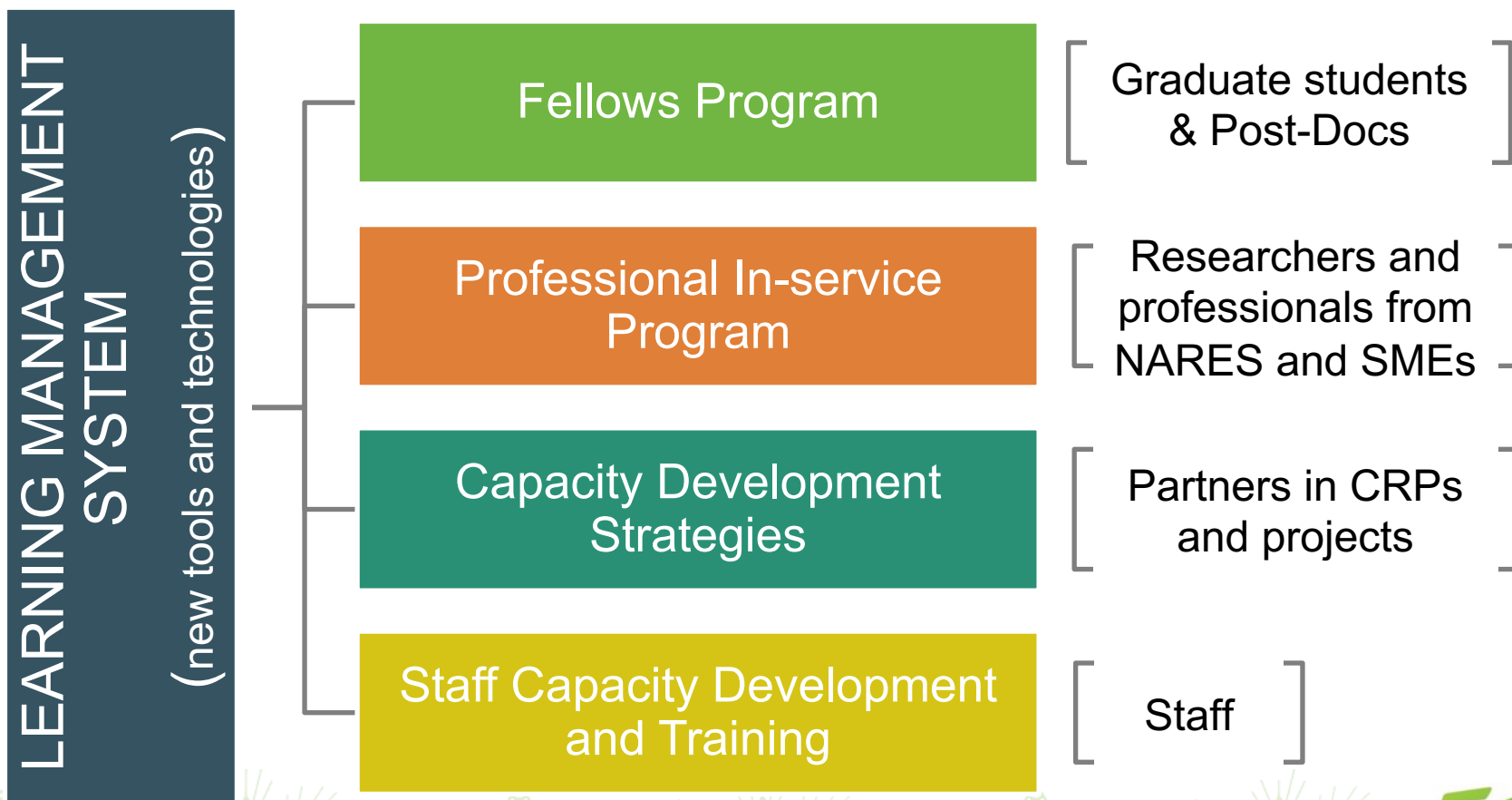
A new vision to consolidate training and capacity building, maximize learning and build an international cadre of agricultural scientists and development practitioners.



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# 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!

