

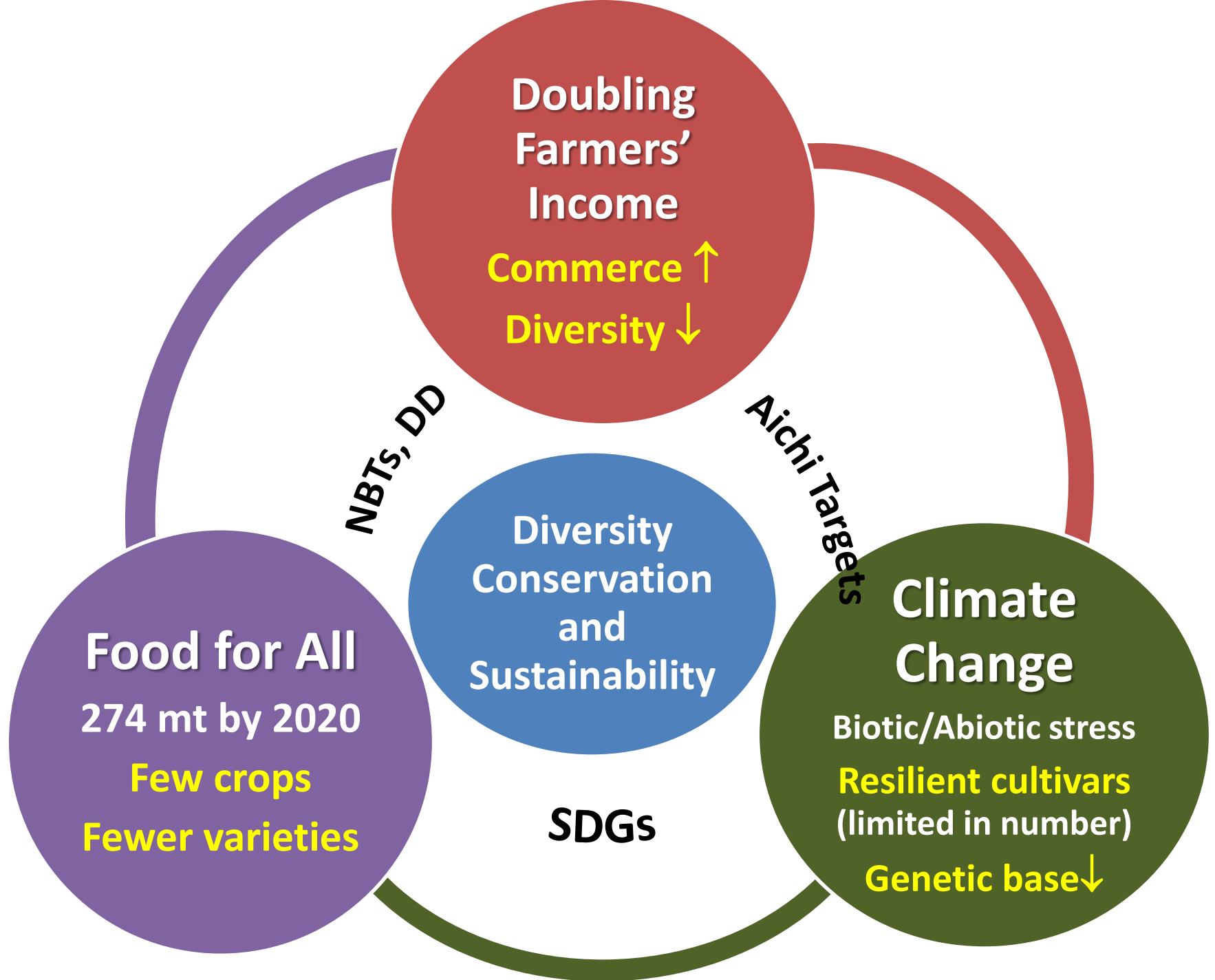
# Implementation of Delhi Declaration Recommendations in PGR Management: **Challenges and Strategies**

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# SDGs

## Transforming our world: the 2030 Agenda for Sustainable Development

17 "Global Goals" with 169 targets



# Aichi Targets



Understand values



**Mainstream biodiversity**



Address incentives



**Sustainable production**



Halve rate of loss



Sustainable fisheries



Manage within limits



Reduce pollution



**Reduce invasive spp.**



Minimize reef loss



Protected areas



Prevent extinctions



**Conserve gene pool**



Restore ecosystems



**Enhance resilience**



**Implement Nagoya Prot.**



Revise NBSAPs



**Respect and conserve TK**



Improve knowledge



Mobilize resources

By 2020	Target	AICHI
NBT 1	People, especially the youth, are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably	1
NBT 2	Value of biodiversity is integrated in National and State planning processes, development programmes and poverty alleviation strategies	2
NBT 4	Invasive alien species and pathways are identified and strategies to manage them developed	9
NBT 5	Measures are adopted for sustainable management of agriculture, forestry and fisheries	6, 7, 8
NBT 7	Genetic diversity of cultivated plants and their wild relatives is maintained, and strategies developed and implemented for minimizing genetic erosion and safeguarding their genetic diversity	13
NBT 9	Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization as per the Nagoya Protocol are operational, consistent with national legislation	16
NBT 11	National initiatives using communities' traditional knowledge relating to biodiversity are strengthened, with a view to protecting this knowledge in accordance with national legislations and international obligations.	18

# Choose your own Goals

**Mainstreaming biodiversity for increasing Farm productivity and reduction in input cost**



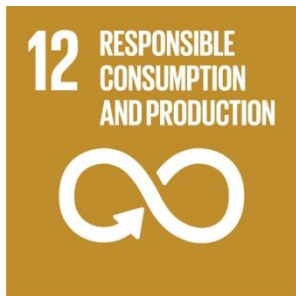
**Improve nutrient content, quality and reduce post harvest losses**



**Training womenfolk in modern agriculture**



**Ensure sustainable production**



**Climate resilient PGR, reduction in methane emission**



**On-farm agro-biodiversity conservation**



**Global partnerships for regional genebanks & developing high-end technologies**



## **Delhi Declaration**

**3**

**Complimentary Conservation Strategies**

**7**

**Awareness & Capacity building**

**5&6**

**Exchange, Instruments, SPS, biosecurity**

**4**

**Frontier technologies for sustainable use**

**2**

**Traditional knowledge**

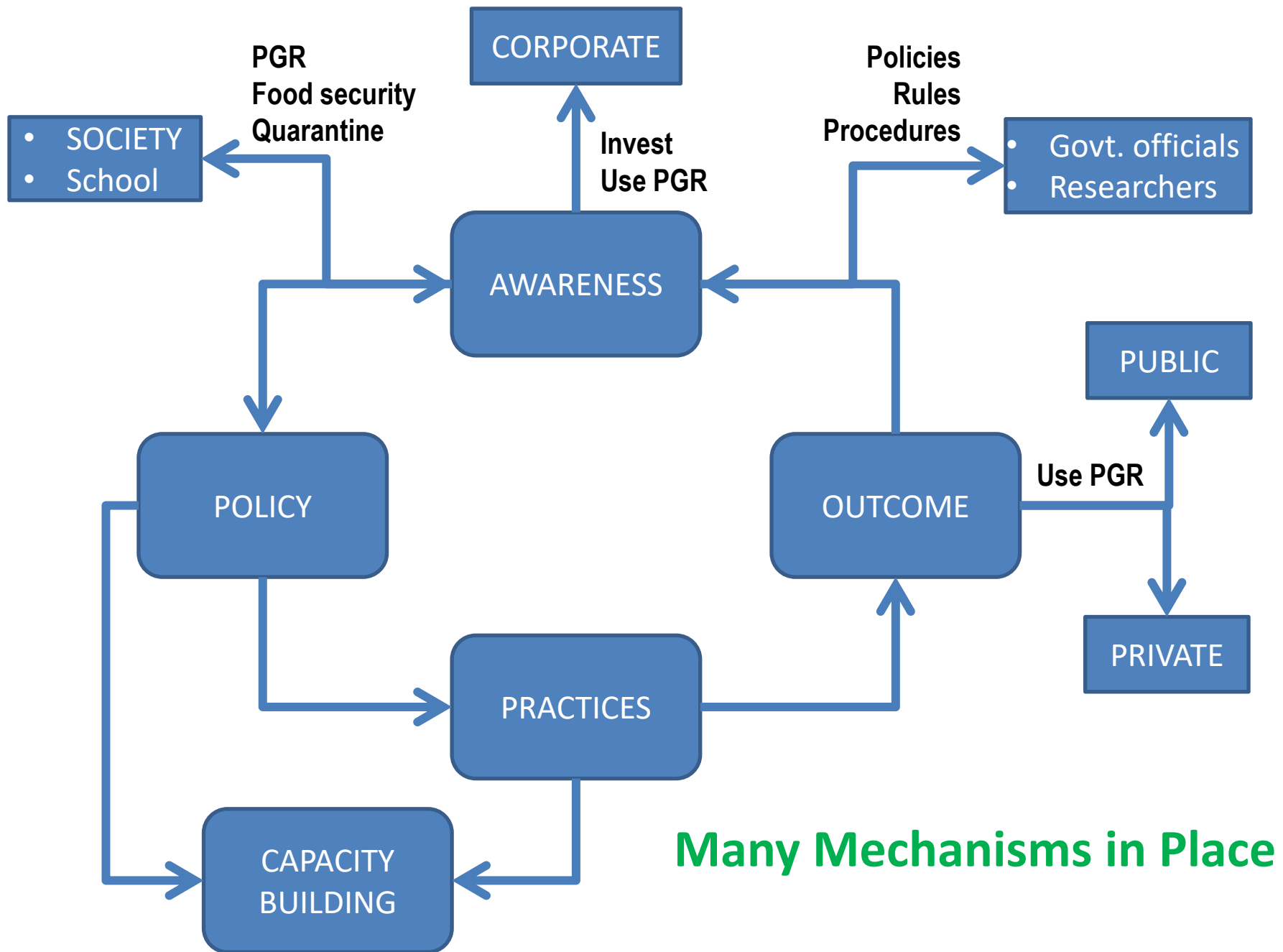
**9**

**Participation of private organizations & society**

**8**

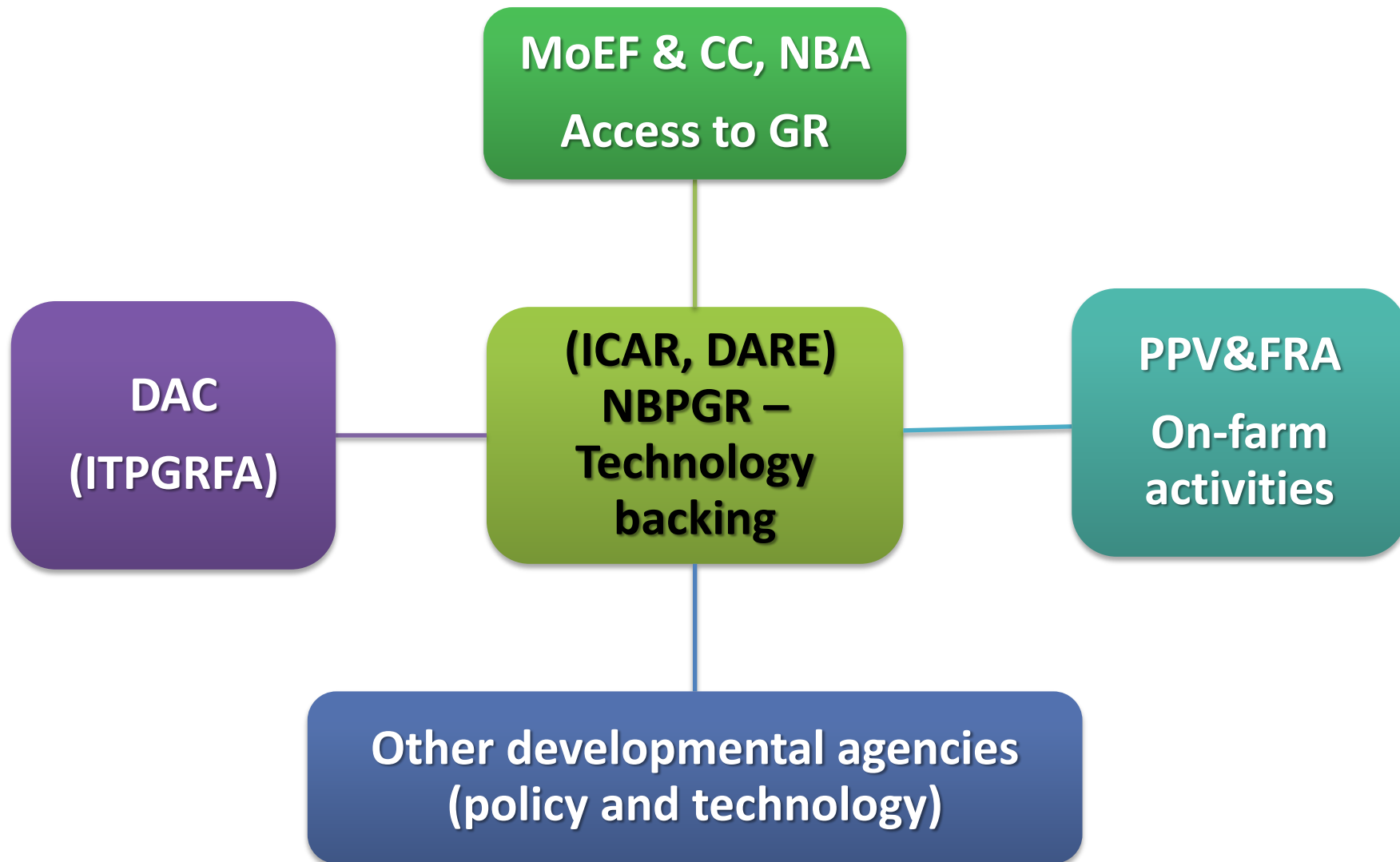
**Ecosystem Services; Agrobiodiversity Index**

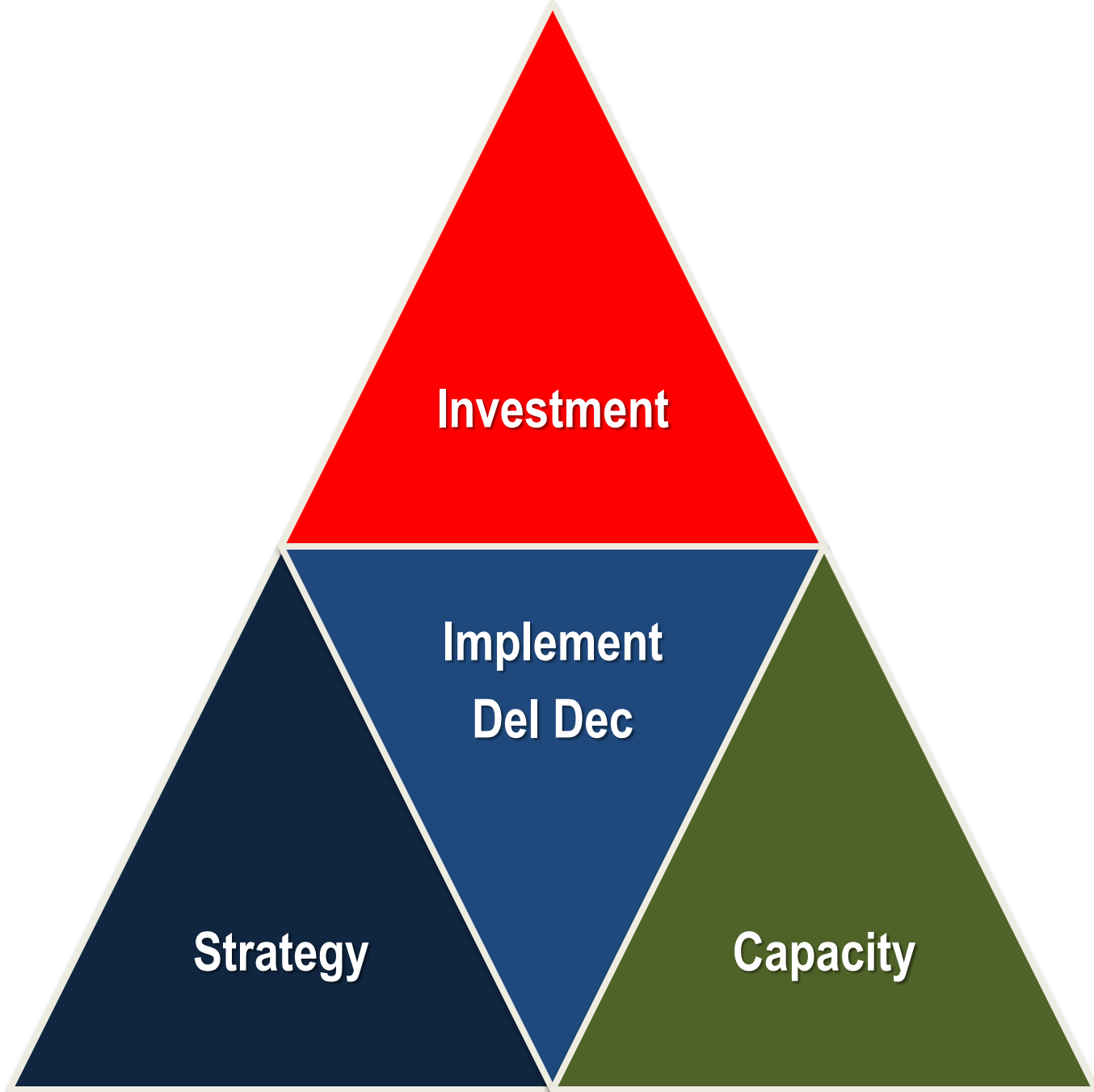






# ICAR as Research and Technology backstopping organization





# Mainstreaming Landraces in Breeding Programs strategy



SDGs

1, 2, 3, 12, 13, 15

Aichi targets

2, 13, 15

NBT 2, 7

# Integrated farming system

SDGs

1, 2, 3, 13, 15

Aichi targets

2, 4, 13, 15

NBT 2, 7, 11

# Status of *ex situ* conservation

- Total species = >1500 (all crops)
- Total accessions = **4.3 lakh**
- CWR = 3.8 %
- Landraces = 14.3 %

## Germplasm Exchange (April 2016 - March 2017)

<b>Import</b>	
Germplasm	22,991 accessions (24,716 samples)
CGIAR trials/ nurseries	9,322 entries (87,422 samples)
<b>Export (samples)</b>	
Under Collaborative Research	1325
FAO designated accessions of ICRISAT mandate crops	7520
Maize Trial Entries of CIMMYT	7335
<b>National supply</b> (for research use within India)	9440
<b>Samples supplied from National Gene Bank</b>	79519

# Thanks



हर कदम, हर डगर  
किसानों का हमसफर  
भारतीय कृषि अनुसंधान परिषद

*Agr*search with a human touch