



## **SHOWCASING RESULTS AND DEMONSTRATING IMPACT**

**Subject 3 - Delivery: Demonstrating integrated impacts at national level**

**Collective Action on  
Innovating for Sustainable  
Agriculture  
in Western India**

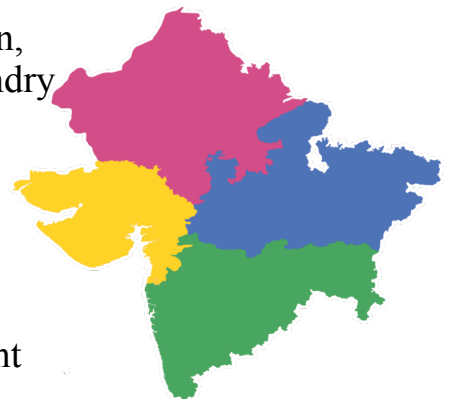
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## Agricultural Scenario of Western India

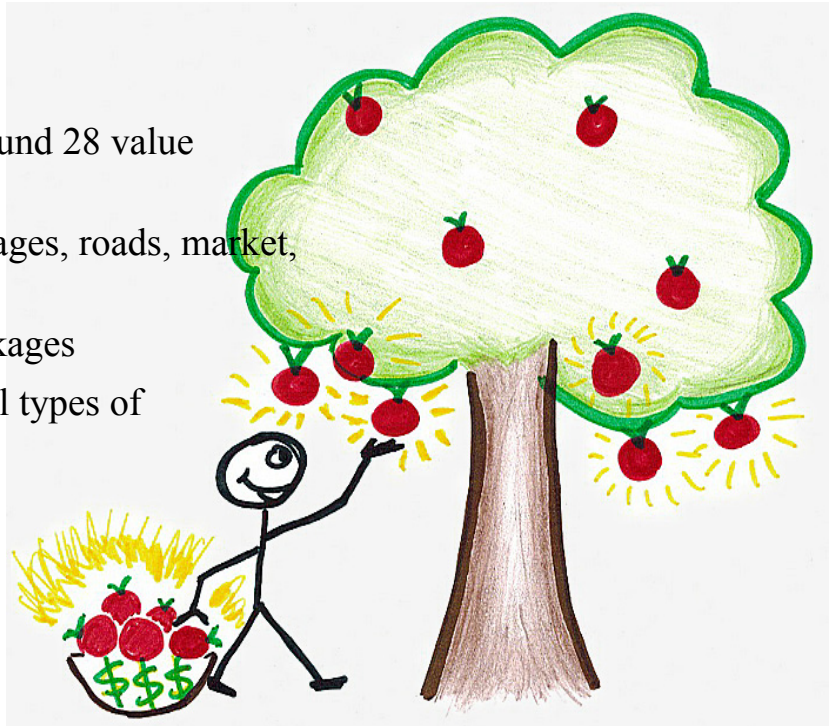
- Includes 4 states covering 34 per cent area of India
- Share common Agro-ecological Zones; Crop Profiles & Agricultural Market Chains
- World leader in seed spices, castor, cluster bean, cotton, pulses; mango, pomegranate, grapes and animal husbandry etc.
- Quality of produce is internationally accepted
- Has strong versatile institutional back up  
21 SAUs besides NARS Centres, NGOs and others
- Decadal growth of AGDP sustained at 9 to 11 per cent





## Drivers of Double Digit Growth of AGDP

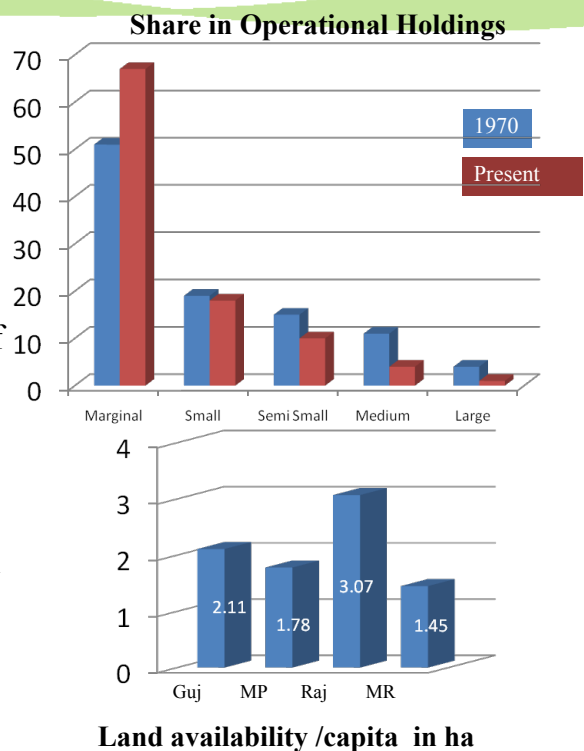
- Most diversified agriculture; around 28 value amenable crops
- Good infrastructures (River linkages, roads, market, electricity)
- Good backward and forward linkages
- Huge native Biodiversity with all types of ecosystems from Arid to coastal
- Entrepreneurial Society
- Good industrial backup





## Sustaining Double Digit Growth is Difficult

- Pressure on land led to reduced land/capita
- Growth is to be sustained under all pervasive impact of climate change
- Depleted natural base - soil and water
- This is further exacerbated by vicious nexus of WEEALS (Water, Energy, Ecology, Agriculture Livelihood Security)
- Fatigued productivity with increased cost of inputs and thereby production
- And above all; agriculture doesn't entice youth as profession





## The Capacities We Need

- We have the infrastructure and institutional structures but we need to innovate them rapidly to achieve the desired scenario by 2030.
- We need exposure, awareness and ability to effectively generate, manage, disseminate and use new agricultural innovations.
- We need rapid mass innovation and learning to effectively use new information knowledge, skills and technology to sustainably intensify our agriculture.





## Collective Action

Our collective action led by 5 Agricultural Universities in Gujarat with participation of 21 other Universities in Western India and with inclusion of representatives of all stakeholders is to develop a system for sustainable intensification of agricultural development which:

1. Develops and supports entrepreneurship that will provide the framework in the new farming, agri-business, agro-industries, agri-services and renewable energy enterprises.
2. Enables learning and capacity development in human skills and infrastructure needed for employment, especially for rural youth, in agricultural enterprises and for providing development services for rural areas and agricultural development.
3. Transforms research, education and extension systems in the region from their current approach of technology generation and transfer to those that enables mass innovation of agricultural technologies, new knowledge and skills and contributes to delivering development in the region.





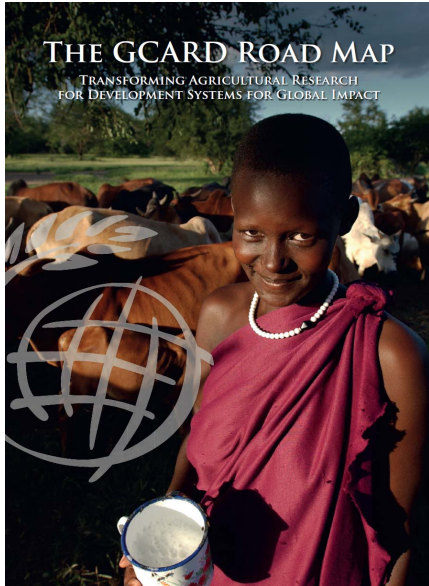
## What we measure is what we will get!

Our challenge is to measure the impact of the collective action in attaining 360O agricultural sustainability.

We need new indicators beyond those conventionally available, such as for:

- Emergence and viability of new enterprises, entrepreneurs and employment generated in new areas of agriculture, their longevity and resilience
- The number of communities and individuals covered for sharing and exchanging information, knowledge and skills and social networks developed
- The ability of agricultural communities to innovate and the





We need GFAR to support and facilitate capacity development for agricultural innovation in Gujarat and Western India by enabling and mobilizing globally available resources especially knowledge and skills to meet our needs.

Our Collective Action has to be enlarged to include the GFAR community to transform our Research. Education. Learning



# THANKS

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