

# **Building Resilient Livelihoods for Small and Marginal Farmers by Community Managed Sustainable Agriculture (CMSA)**



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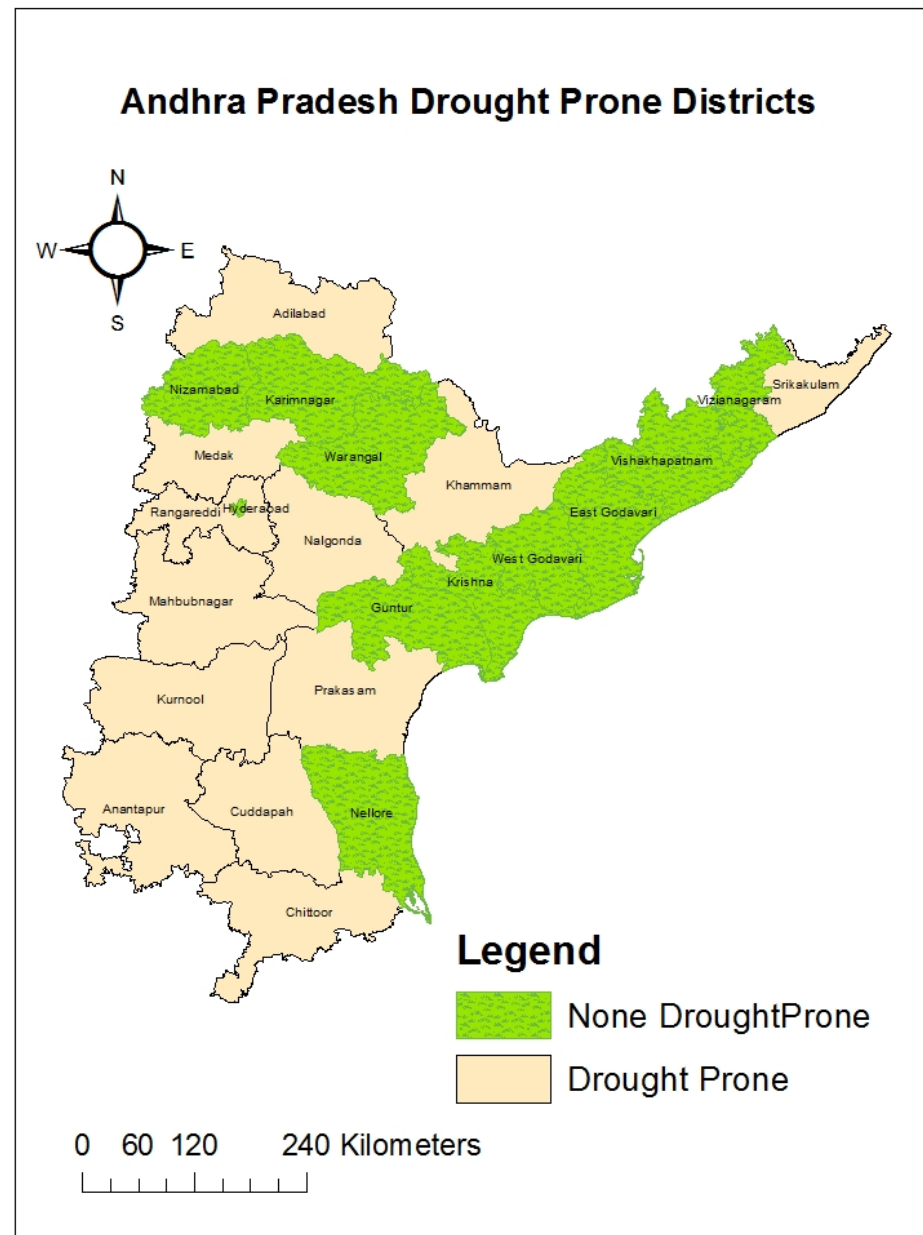
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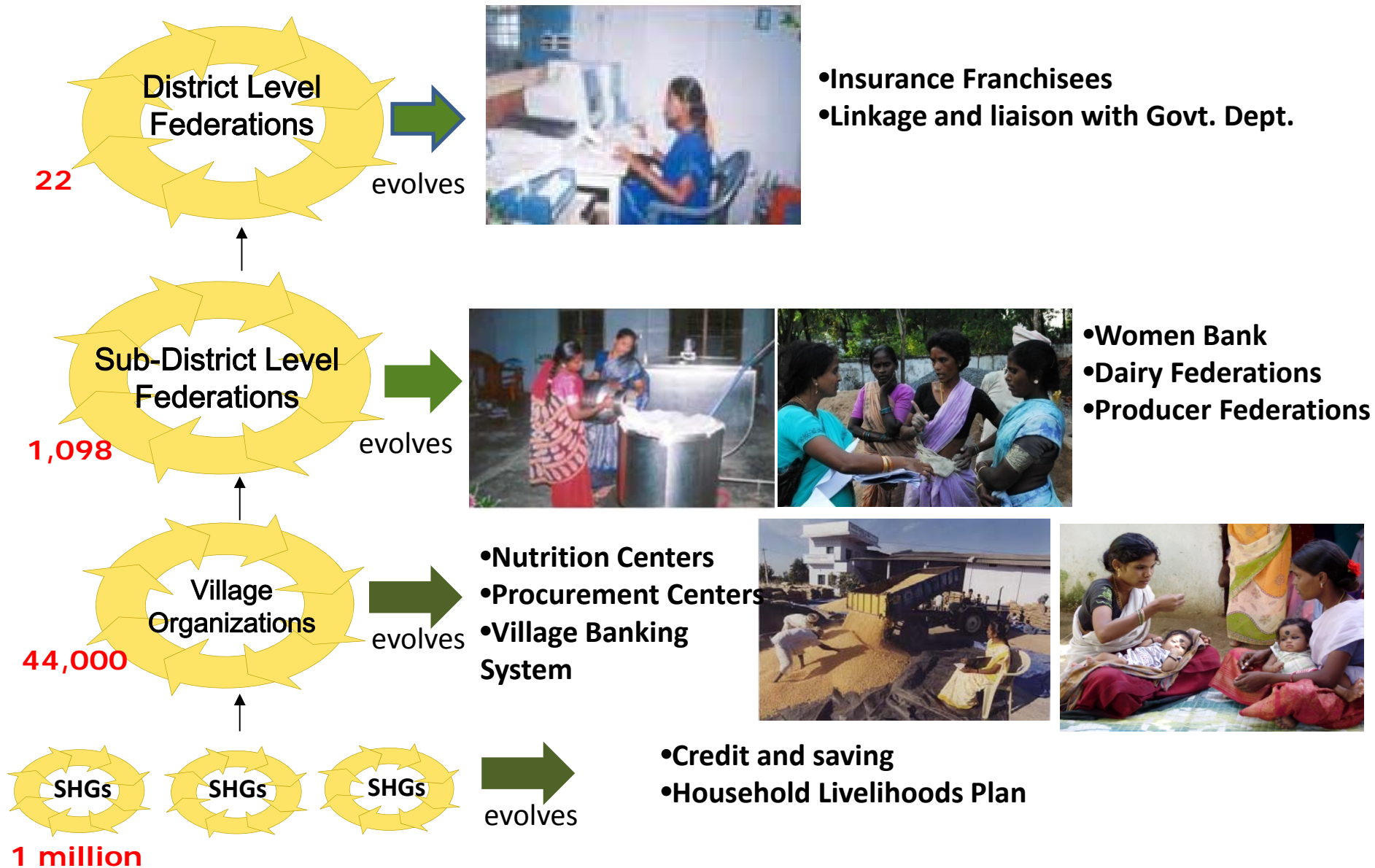


# Global context

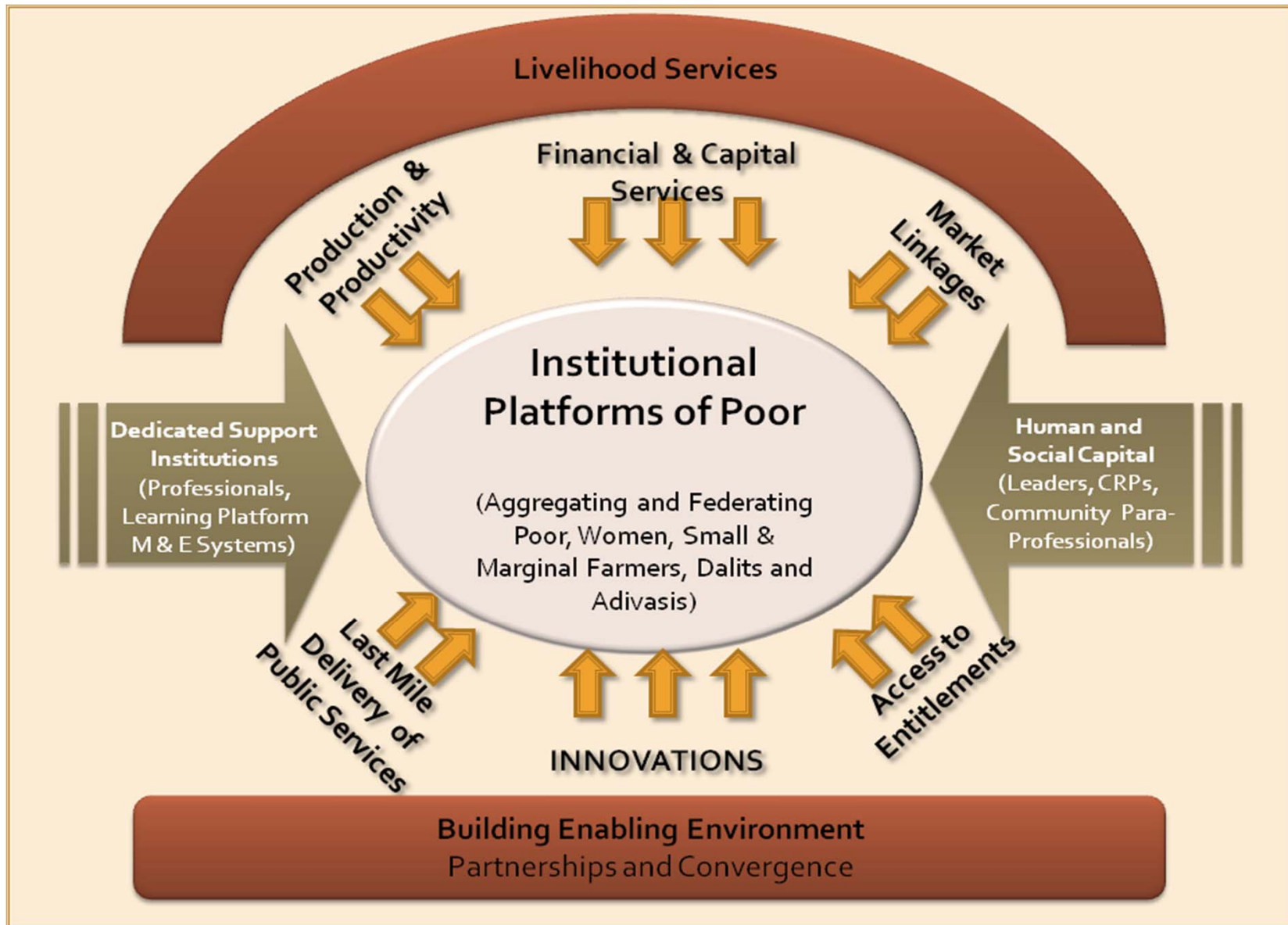
- Approximately 2.6 billion people depend on agriculture for livelihood,
- 500 million are small farmers (less than 2 ha),
- By 2050, there will be more than 9 billion people in the world,
- Agricultural production must increase by 70 percent in order to feed the growing population,
- Already stressed land and natural resources, limitations and externalities of conventional agriculture, and impact of **contemporary climate change** make the task challenging.



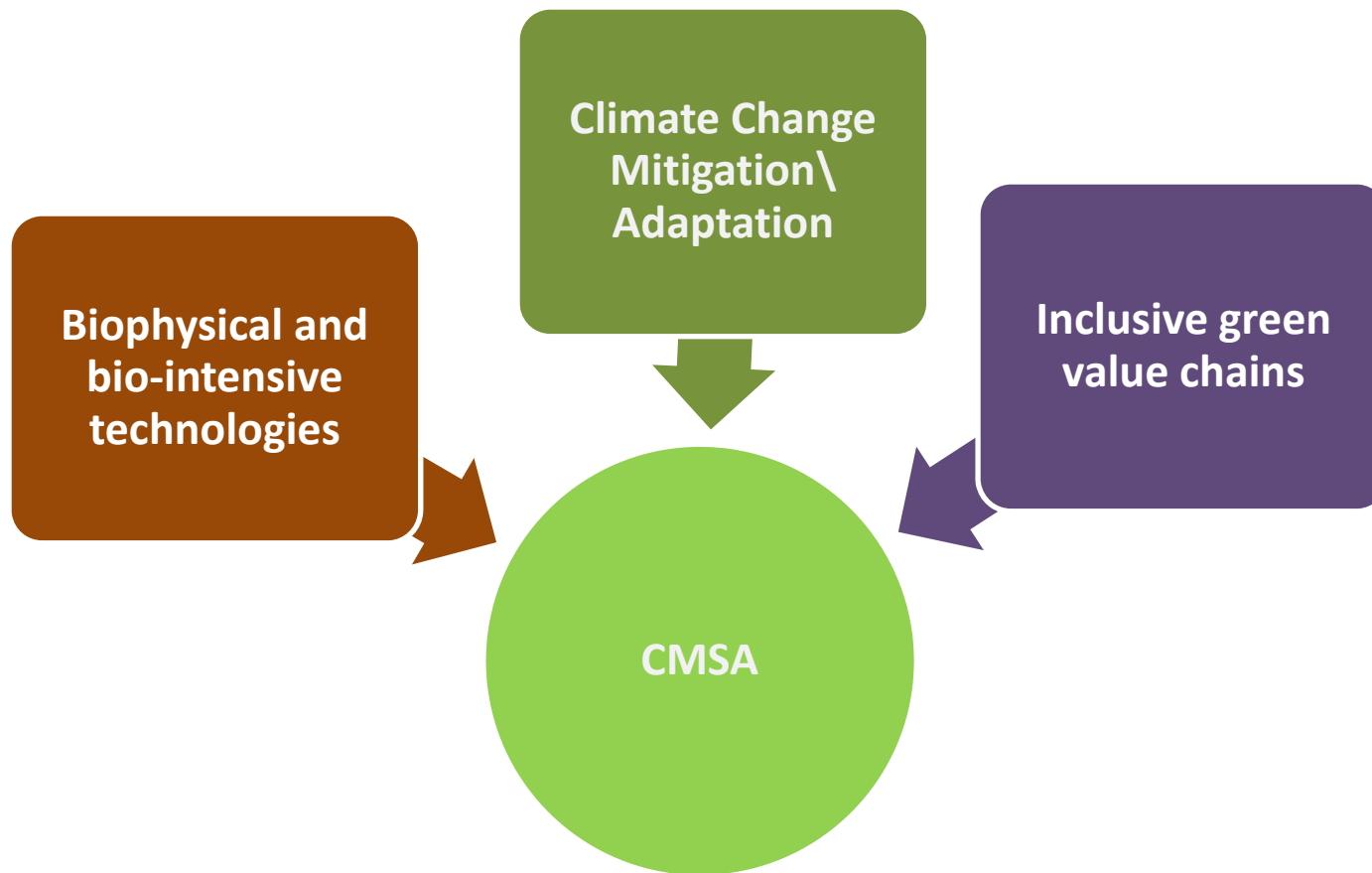
# Institutional Platform: hierarchal and multi-sectoral functions



# Community institutional platform



# Building blocks of CMSA





# Biophysical and bio-intensive technologies



Knowledge intensive  
agriculture / cost-effective



Vermicompost /  
improved soil health



Mixed Agriculture /  
increased productivity



Bio-pest  
management/good health



Border crop/ increased productivity



Bund plantation/ increased production

# Inclusive value chains



Agri-product processing



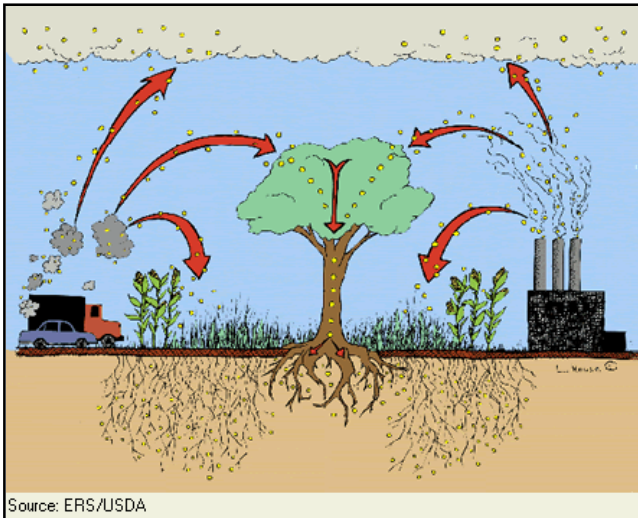
Organic farmers' market



Community managed procurement



# Climate smart and environmental friendly practices



Carbon sequestration



Moisture retention and  
water conservation



Soil moisture management

# What is community managed?



Community-managed extensions



Village level seed bank



Micro-planning for agriculture



Community based marketing and procurement



## Digital Libraries for the Poor: *Video-based Learning Platform*

It uses participatory video as a medium to create star farmers and facilitates a rural library of digital videos providing decentralized and localized agriculture solutions to farmers, using the thrill of appearing "on video" to amplify the organization's reach within their social networks.



Video production by farmers on best farming practices



Local level, just in time, customized extension of best farming techniques and practices

### Outcome:

- **2800 video** produced by farmers on best farming practices;
- Digital Libraries **available online and offline** also available on **Youtube**.



### Digital Green @ SERP Video Production Bootcamp

by **digitalgreenorg** • 3 years ago • 1,997 views

Digital Green's video production training program conducted with community resource persons working with the Society for the ...



### Varilo Aggi Tegulu Nivararana ( Rice Blast control in Paddy-Viziayanagaram)

by **digitalgreenorg** • 6 months ago • 210 views

Basil leaves and Wood Plant leaves (Bael) extract is used to contain rice blast diseases in paddy cultivation. This video is ...



### Farmer Field School \_English

by **digitalgreenorg** • 2 months ago • 82 views

Farmer Field School(FFS) is an innovative initiative by Society for Elimination of Rural Poverty(SERP) - Community Managed ...



# Farmers Field School



Learning in field



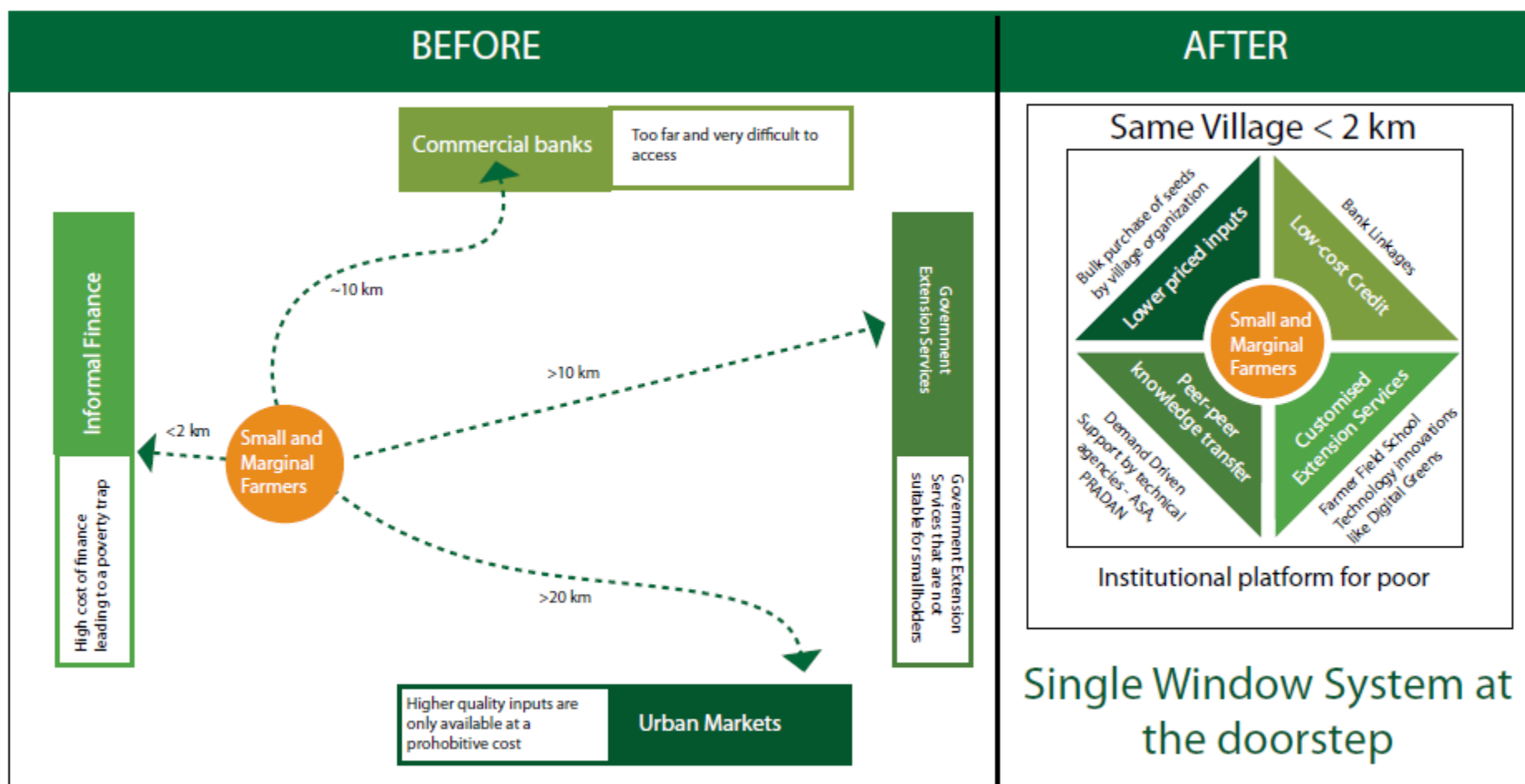
Learning and observation in field

# Use of ICT in Community Managed Sustainable Agriculture

Timely and customized **climate adaptation and crop advisory**;

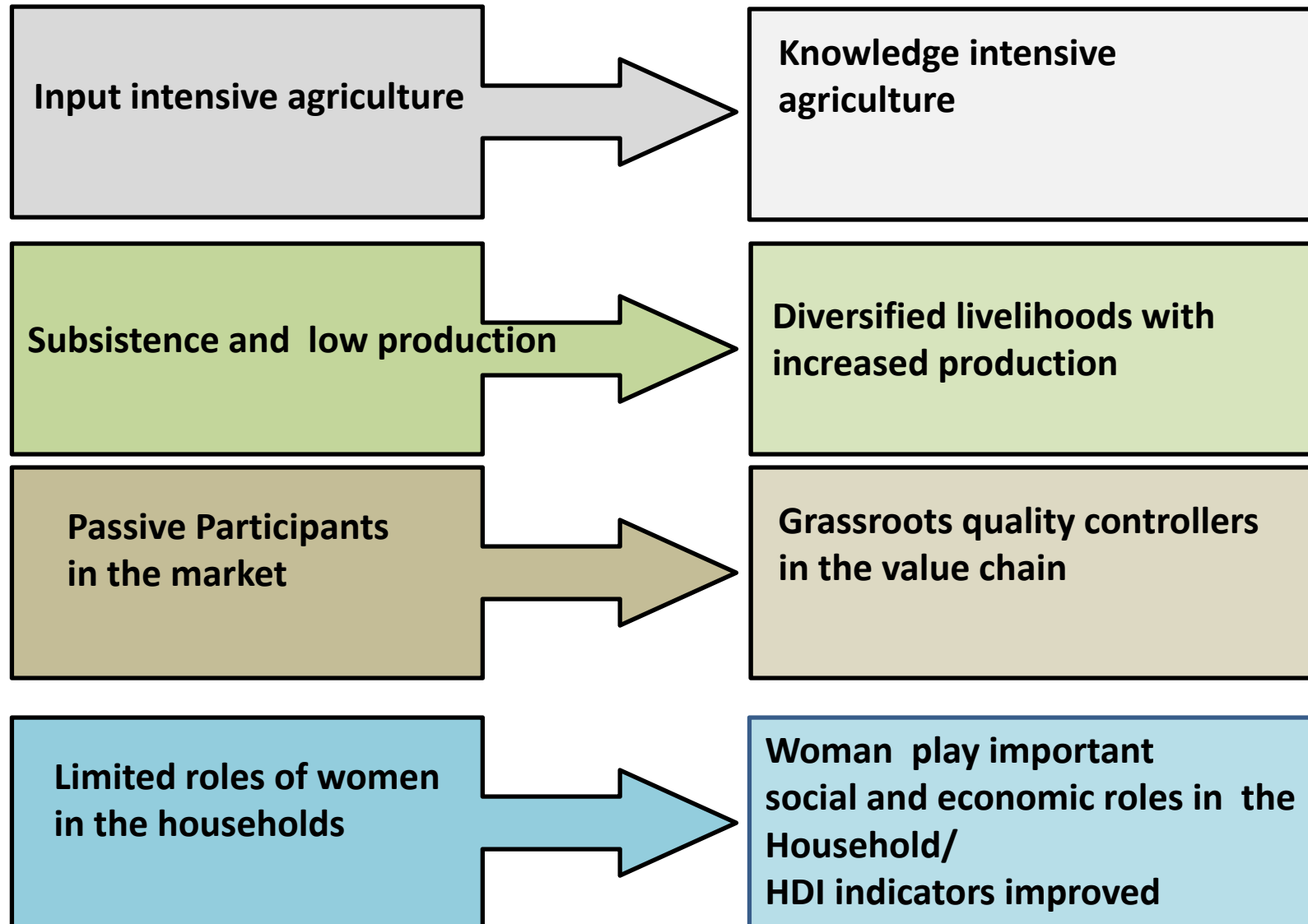


# Creation of a “Single Window System at the Doorstep”



# Key Transformations

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## What made it possible? What lessons we learned?

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- Find the entry points and keep the interventions simple,
- Farmers can manage initial piloting and experimentation but scale-up through community institutions,
- Smallholders can't create the demand-side stimulus if they do not act collectively and aggregate their voice,
- Localizing service delivery and prompting social learnings.