

# THEMATIC ASSIMILATION OF BAITARANI RIVER BASIN

LIVELIHOOD AND MICRO-  
ENTERPRISE OPTIONS,  
CHALLENGES & OPPURTUNITIES

Team Presentation  
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# Livelihood Basics..

Livelihood comprises the capabilities, assets (including both material and social resources) and activities required for means of living.

## Livelihood Coping..

Livelihood vulnerabilities are the cause and result of basin resources degradation and influence of market, credit and institutions, apart from natural resources and policy influences to a considerable extent the livelihood options in the basin.

# Objective

- Comprehensive appraisal of the available livelihoods, skills, markets and credit infrastructure & their interaction;
- Intensive investigation into livelihood shifts/trends in critical basin areas and the options available to enhance livelihoods with a focus on water based and natural resource based options.
- To identify major issues in the livelihood portfolio of the region
- To identify the inter-thematic issues with respect to livelihood & enterprise

# Methodology

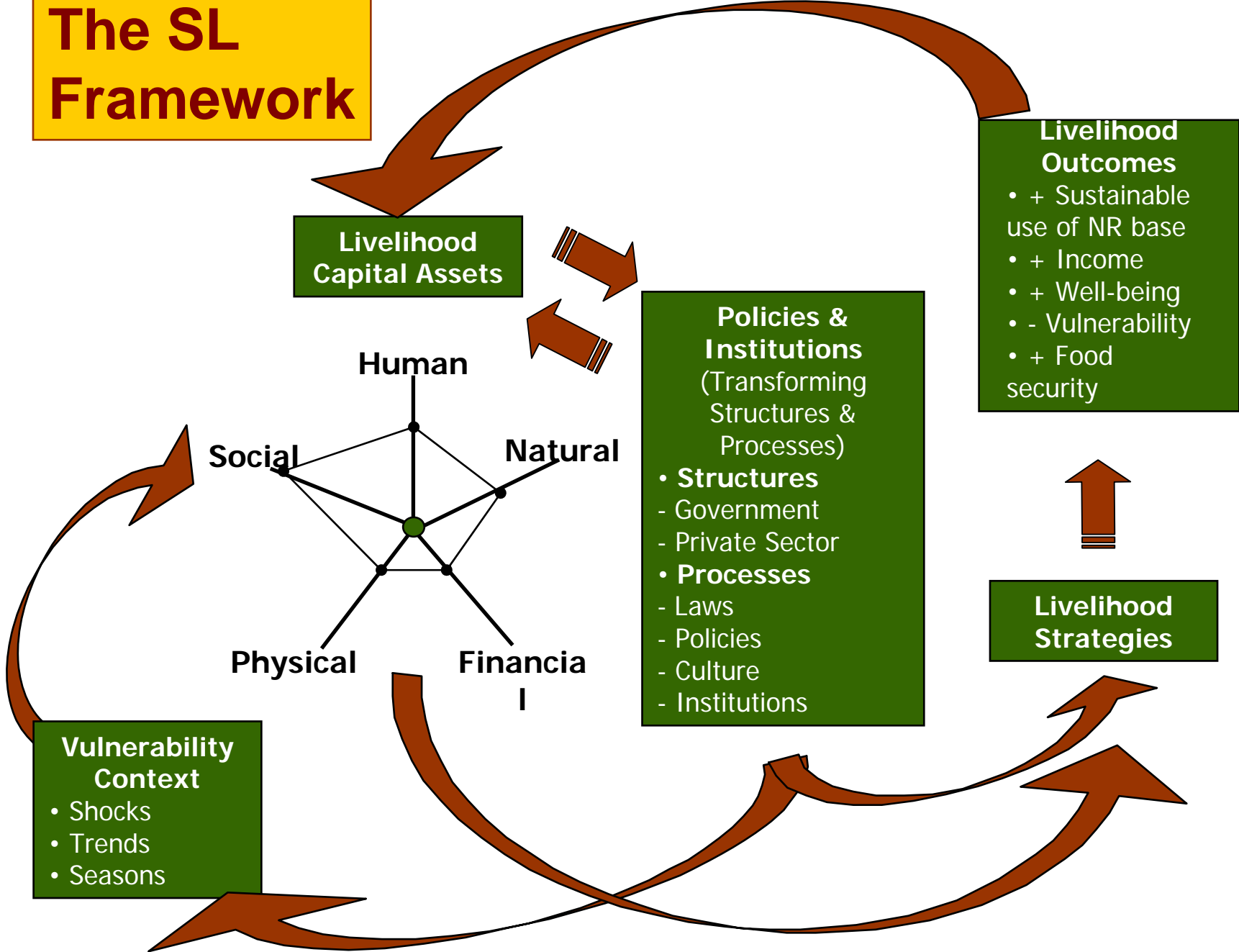
- **Secondary Data**

(Case studies within the basin, web search, Various government and non-government publications, District gazetteers, Statistical Handbooks, PLP 2006-07, NABARD, Departmental reports and websites etc.)

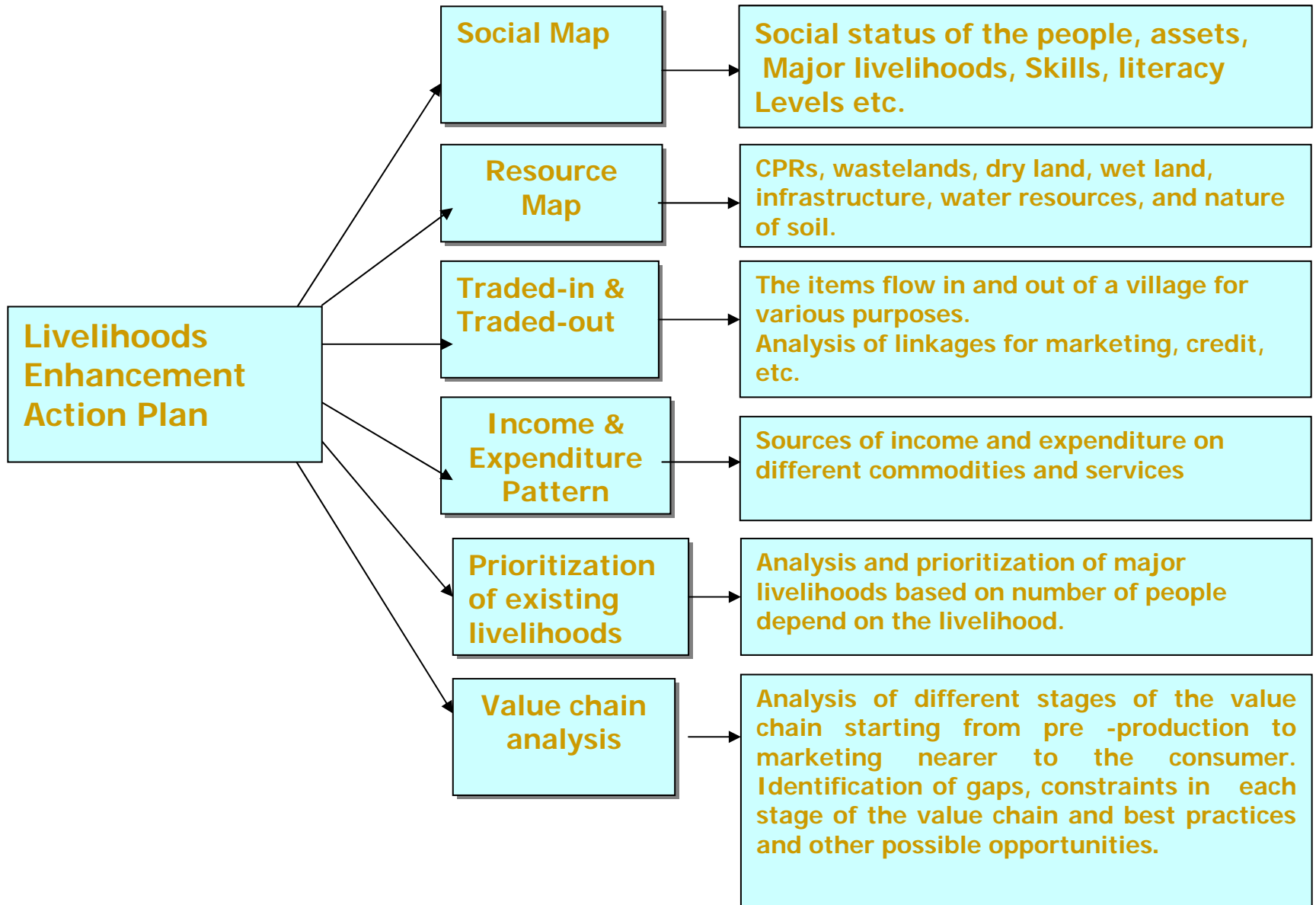
- **Primary Data through FGD, PRA;**

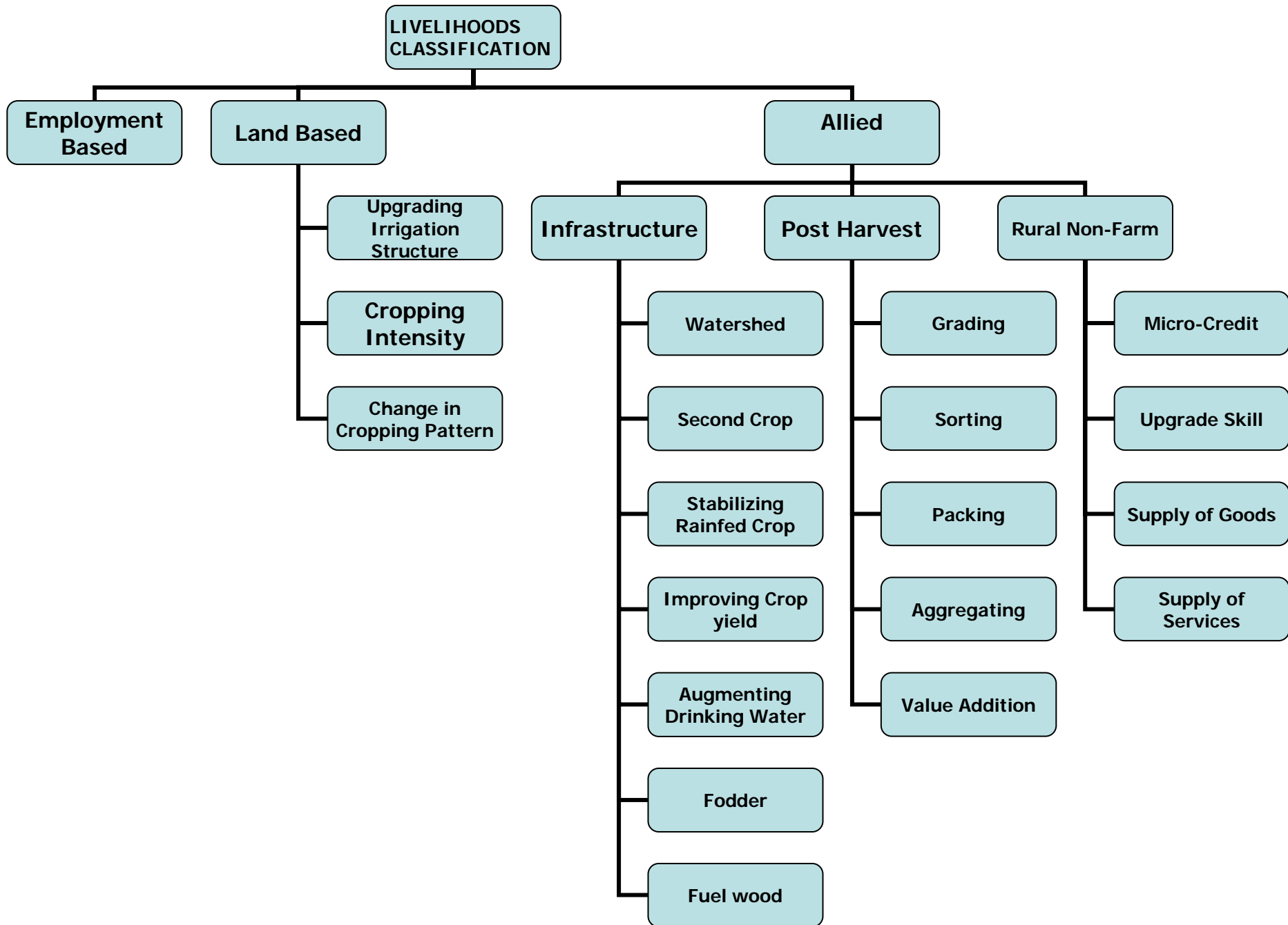
- **LEAP**

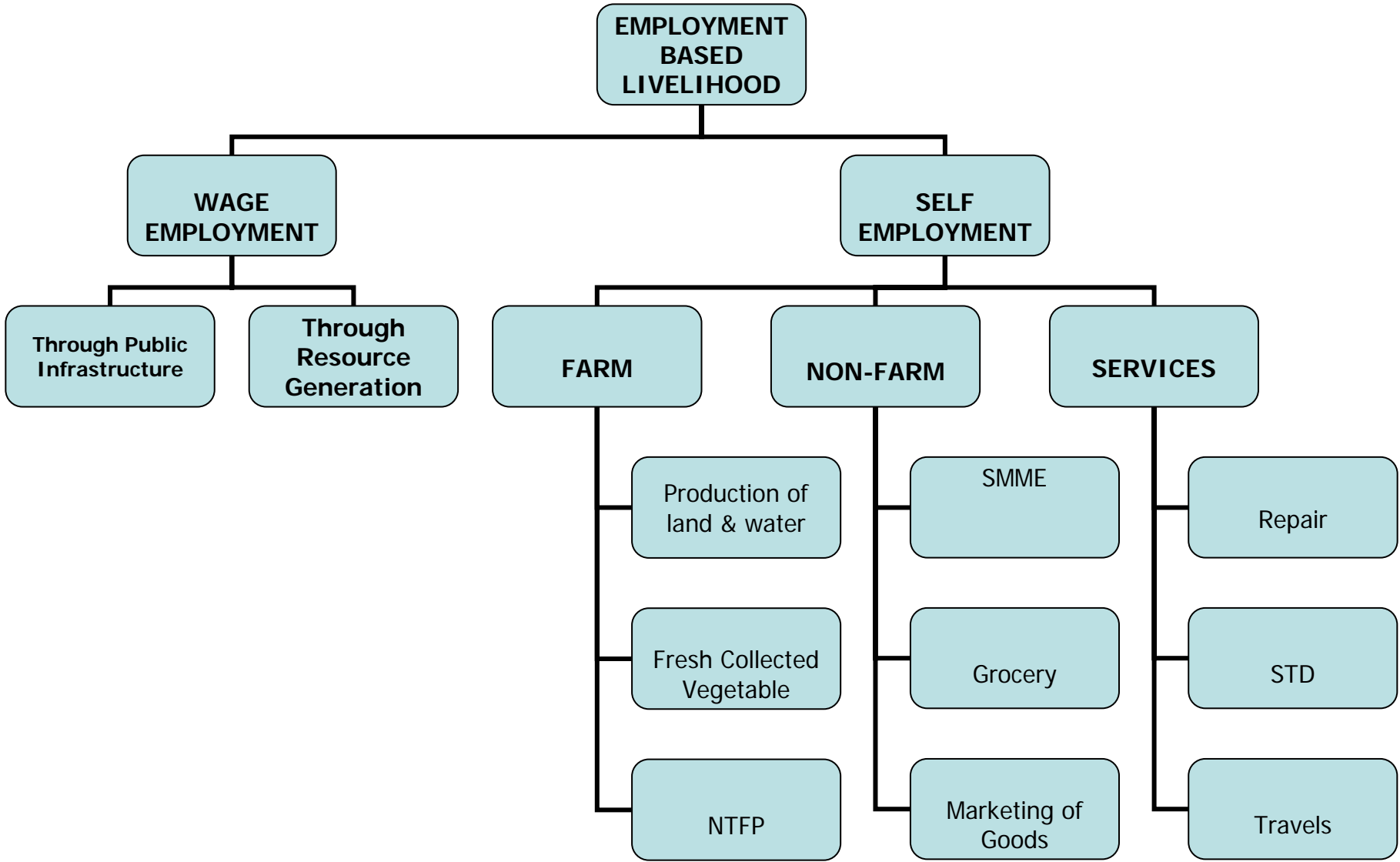
# The SL Framework



# LIVELIHOODS FRAMEWORK(LEAP)







# Livelihood Options and Issues from Primary Source

<b>Places</b>	<b>Major Livelihood</b>	<b>Major Issues</b>
<b>Upper Catchment Hills</b>	<ul style="list-style-type: none"><li>▪ Shifting Cultivation</li><li>▪ NTFP Collection</li><li>▪ Wage Labour</li><li>▪ Agriculture Labour</li><li>▪ Desi Liqour Selling</li><li>▪ Livestock Rearing (Goatery, Piggery, Sheep rearing)</li></ul>	<ul style="list-style-type: none"><li>▪ Shifting cultivation</li><li>▪ Money lending process</li><li>▪ Effect of Mining on livelihoods</li><li>▪ Problem of Market channelization</li><li>▪ Lack of awareness</li></ul>
<b>Upper Catchment Plateau</b>	<ul style="list-style-type: none"><li>▪ Settled Agriculture</li><li>▪ NTFP Collection</li><li>▪ Wage Labour</li><li>▪ Agriculture Labour</li><li>▪ Livestock Rearing</li></ul>	<ul style="list-style-type: none"><li>▪ Deforestation</li><li>▪ Problem of market channelization</li><li>▪ Labour Migration</li></ul>

# Livelihood Options and Issues from Primary Source

Places	Major Livelihood	Major Issues
<p><b>Middle Catchments</b></p>	<ul style="list-style-type: none"> <li>▪ Agriculture</li> <li>▪ NTFP</li> <li>▪ Wage Labour</li> <li>▪ Agriculture Labour</li> <li>▪ Fishery</li> <li>▪ Livestock Rearing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dam Resettlement and rehabilitation</li> <li>▪ Mining activity</li> <li>▪ Country liquor business</li> <li>▪ Elephant menace</li> </ul>
<p><b>Lower Catchment</b></p>	<ul style="list-style-type: none"> <li>▪ Agriculture</li> <li>▪ Brick Making</li> <li>▪ Sand Mining</li> <li>▪ Wage Labour</li> <li>▪ Pisciculture</li> <li>▪ Livestock Rearing</li> <li>▪ Micro-Enterprises</li> </ul>	<ul style="list-style-type: none"> <li>▪ Flood</li> <li>▪ Monkey menace</li> <li>▪ Communication &amp; market facility</li> <li>▪ Migration</li> </ul>

# Major Livelihoods: From Secondary Data in Upper Catchment Districts

Districts	Key livelihood activities		SHG Economic activities
	Farm sector	Non farm sector	
Anugul	Fisheries	Sericulture, mechanized boat, transport operator	rice business goatery vegetable vending seasonal business vegetable cultivation
Keonjhar	Dairy, fisheries, goatery, poultry and farm mechanization	MI and land development, Paddy processing, bee keeping, Leaf plate and cup making, cane and bamboo work	rice business paddy processing leaf plate making vegetable vending small business
Mayurbhanj	Dairy, Piggery, horticulture crop, fisheries, goatery and poultry	Sericulture, resin, processing of minor forest product, Leaf plate and cup making, stone carving Cane and bamboo work, sericulture, carpentry, bee keeping,,	Sobai rope making rice business leaf plate making paddy processing chuda & mudhi business
Sundargarh	Goatery, poultry, piggery and farm mechanization	Sericulture, transport operator, MI and land development.	rice business small business vegetable vending minor forest produce goatery

# Major Livelihoods: From Secondary Data in Lower Catchment Districts

Districts	Key livelihood activities		SHG Economic activities
	Farm sector	Non farm sector	
Balasore	Dairy, horticulture crops, fisheries, poultry and farm mechanization	Brick making, business	rice business paddy processing leaf plate making cultivation spices making
Bhadrak	Dairy, poultry, composite farming, mechanization and Fisheries	Cane and bamboo work, paddy processing, transport operator, mechanized boat MI and land development	paddy processing goatery poultry farm baddi & papad making dairy farm
Jajpur	Horticulture, fisheries, goatery and Piggery	Seri culture, business, Silver filigree and Cottage industries	rice business baddi & papad making goatery poultry farm dairy farm
Kendrapara	Dairy, horticulture crop, fisheries and farm mechanization	Mechanized boat, MI and Land development.	rice business baddi & papad making spices making turmeric powder dairy farm

# Issues and points of Primary Exploration

- Wage Labor is significant in scale and magnitude
  - Total worker and labor population is on the rise. There is a higher dependency of wage labor from agriculture through direct agriculture labor in allied cropping, production and processing activities
  - Wage labor is highest in Keonjhar as both agriculture as well as mining is prevalent
  - There is the highest NTFP collection so a lot of local people do get employed through wage payments
  - Supply seems to be more than demand and there is an inter zonal flow of labour from top to bottom due to opportunity gap and depressed wage payment

# Issues and points of Primary Exploration

- **Vegetables**

- The area seems to be vegetable surplus but quality of production and requirement based production needs to be looked at;
- With upcoming market, the area can be linked with the required vegetable supply chain;
- Organized vegetable cultivation would absorb more local labor and with skill enhancement daily average wage payment in labour would increase;
- Net economic surplus would be gained if it is supplemented with private sector participation in collection, processing, sorting, grading and transportation.

# Issues and points of Primary Exploration

## Goat

- **Goatery is cash-in-hand in urgency;**
- **Unavailability of feeding;**
- **There is a supply cluster of quality goat to urban markets as well as far off to Calcutta;**
- **Goat productivity can be significantly improved to a scale of enterprise from the present livelihood.**

## Broiler

- **It is the single livelihood entity spread through the private sector companies through their whole sale entrepreneurs;**
- **The infrastructure has been improved with day old chick production; feed manufacturing at economic locations and suitability of the area for productions**

# Issues and points of Primary Exploration

## Fishery

- **Fishery has been the greatest contributing factor for lower and medium catchment zones;**
- **This has a potential to become business with appropriate infrastructure as seed farms/supply and institutions for collection and marketing.**

# Going ahead

## Wage Labor

- To find out what is the employment availability w.r.t. population growth in the wage labor involved age group (Labour Institutions?);
- To analyze if there is any growth of labour intensive crops of vegetables, Paddy (NRM?);
- To find out the growth of associated agricultural produce/processing (Puffed/Flattened Rice, Oil mills) market and their employability status, wage payment and duration (Enterprise?).

ILO linkage on wage earner improvement through appropriate technology / institution

# Going ahead

## Vegetable

- To find out what are the range of vegetable that can be produced and supplied on an organised basis to nearby markets (Public-Private-Community initiative ?)
- To find out The paddy-vegetable (+) crop rotation can be fit into the supply cycle as well as local consumption (Producer organizations?)

## Goat

- To find out a feeding or alternate grazing for such an intensive and required portfolio?
- To determine the scope of organizing goat rearers /growers into efficient organisations to enter into growing and processing/supply of meat?

# Livelihood Linkages (Goatery)

Business is Missing

Enterprise Units  
Aggregators/Transporters

Livelihood Units  
Goat Rearers

## Producer's Organisation

# Livelihood Linkages (Poultry)

Business (Egg/Bird)  
Jafpa, Amrit, Suguna,  
GAVL, Venky

Enterprise Units  
Feed, Chick, Wholesaler

Livelihood Units grower farmers  
small(<500), Medium, Big(>2000)

**Need to move to a scale**

# Livelihood Linkages (Fishing)

Business

Enterprise Units  
Not Prominent

Livelihood Units without much skill

**Need to move to a scale**

# Going ahead

## Broiler

- To find out how the local/Desi bird growing does find a market along with the specialized poultry (Enterprise?)
- To find out how do we introduce commercial poultry into farmer groups (Institution, Biotic?)

## Fishery

- Fisheries through small ponds and water harvesting structures (NRM?)

# Livelihood Linkages (NTFP)

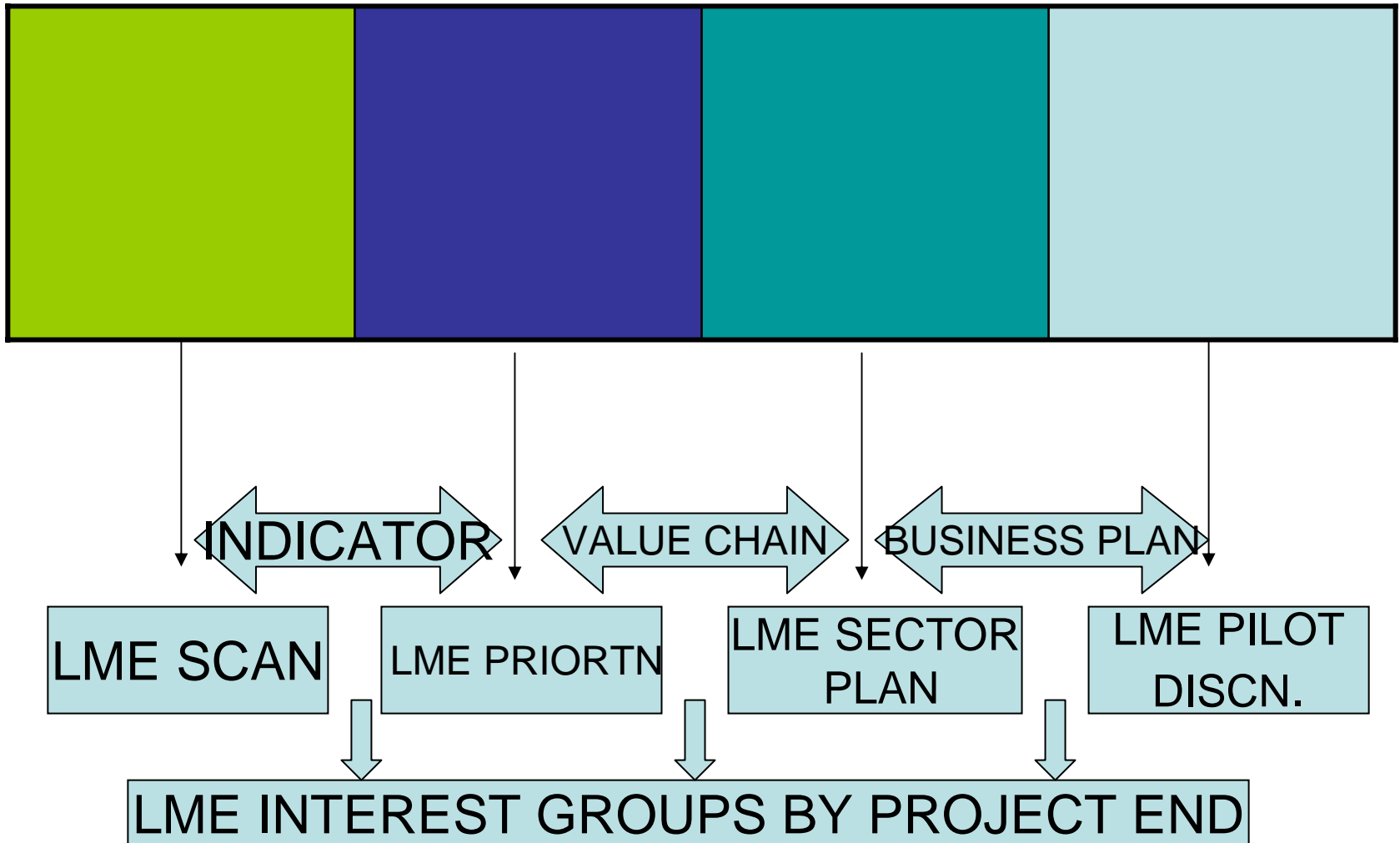
Business is missing

Enterprise is missing

Large Scale Livelihood

Basic Skeleton is missing

# DELIVERABLES



# Baitarani River Basin

