

# Indigenous and Frontier Technology Research Centre

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[www.iftr.in](http://www.iftr.in)



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- 1) Undertake such activities which will improve the quality of life of the community by promoting the use of low cost products / processes
- 2) Disseminate the technologies designed, developed and / or retrofit suitable technologies through research
- 3) Pursue research for development and sustainability
- 4) Generate / develop new scientific data for various societal applications.
- 5) Promote income generation programmes through formation of like minded groups
- 6) Organize training programmes / workshops / meetings etc. to further the above objectives





# Activities

1. Traditional seed promotion and evaluation
  - Identifying climate resilient local varieties suitable to local, edaphic and climatic conditions
2. On farm input production
3. Evaluate and Teach value addition to crops
4. Marketing Platform
  1. Linking Farmers to Consumers – Avoid Supply chain
  2. Revolving credit to small and marginal farming community – stop gap funding for sustenance
5. Organization of beneficiaries / families – health, welfare, growth and economy,
6. Promote and Educate Traditional Food systems

# Research

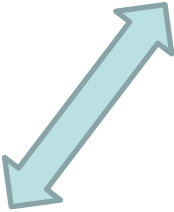
1. Agriculture
  1. Alternative Agricultural Systems – Self Sustaining Farming, Simultaneous Multicropping - Ally cropping, Silvipastoral systems, crop rotations – cereals, legumes, cereals,
  2. Organic inputs – Beneficial microbes, Biofertilizers, Biopesticides.
  3. Natural Pests & Predators.
2. Biomass conversion – carbon, composting, torrefaction.
3. Biofuels – Biogas, Biomass – torrefaction, carbon pellets.
4. Environment – Water Analysis – Physico-chemical, biological, Biodiversity, Ecosystem analysis, Environmental Management and clean up.
5. Food & Nutrition – revival of Indigenous, local, traditional foods.
6. Microbial Technology– Enzymes, Bioproducts.

**Human  
Life**

**Food  
Quality**

**Human  
Health**

**Crop  
Quality**



**Soil  
Quality**

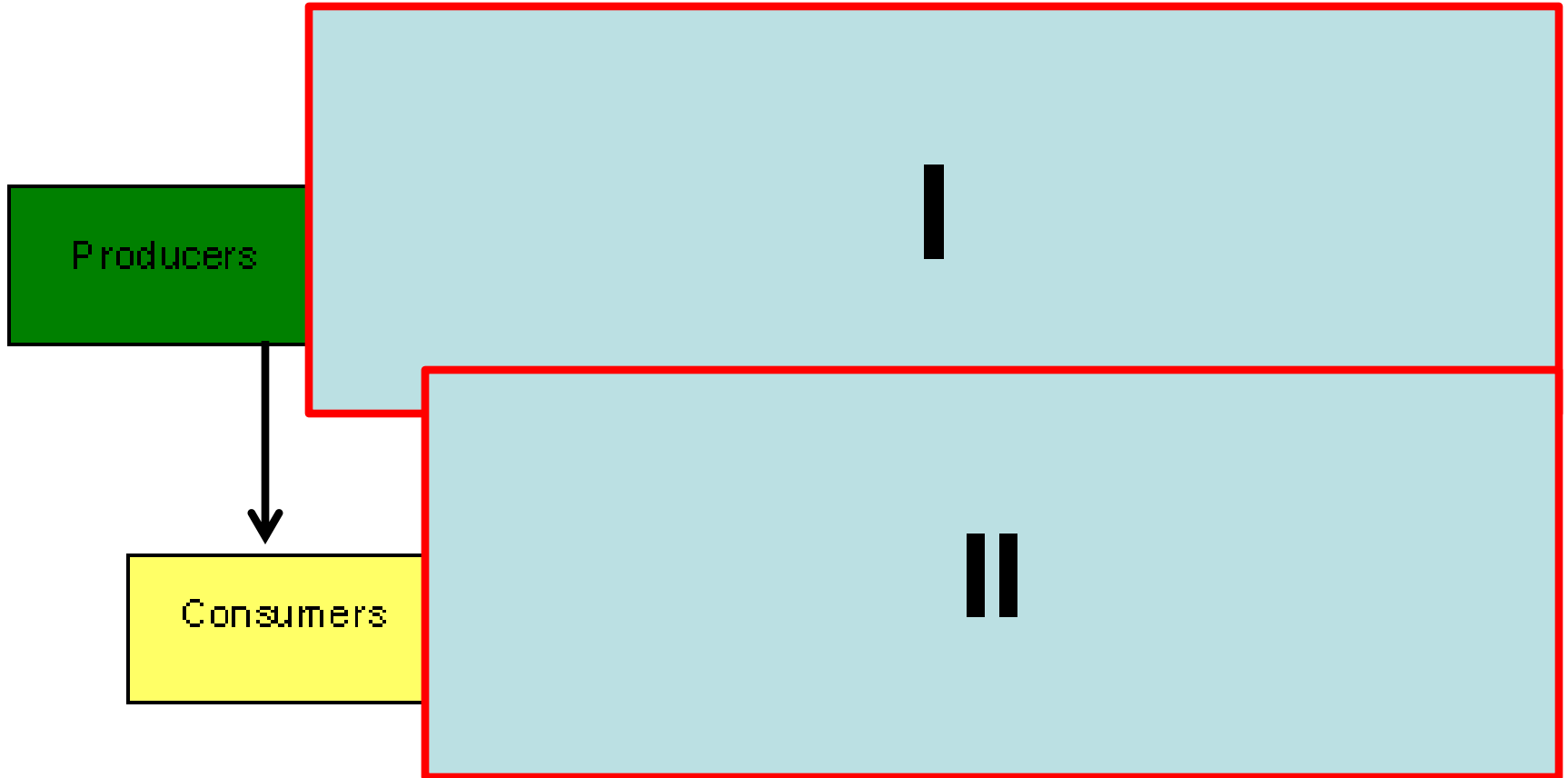
**Water  
Quality**

**Environmental  
Health**



# Extension

## FARM GATE TO FOOD PLATE





# IFTR in BERAS

- Organization of **ERA** farming groups (biodynamic principles)
- **Sustainable Food Societies (SFS)** – Integration into Farmer- Consumer link
- **Diet for a Green Planet (DGP)** - promotion and integration of traditional, local and indigenous foods systems in specific areas like schools, communities.

# Research and Education

- Nutrient transformation and carbon exchange studies in different interventions under different cropping systems
- Soil microbiological studies, mycorrhizae, soil aggregation to improve soil fertility
- Multiple crop cultivation – crop diversity

Thank you