Sustainable Lives – Sustainable Livelihoods = Green (Economic) Growth

social equity

environmental quality

economic efficiency

putting technology in perspective
Technology as a building block

Quality of life issues

- people need homes, water, sanitation, energy…
  - *basic needs technologies and services*

Economic growth

- people need jobs
  - *livelelihood technologies and services*
Technology as a building block for economic growth

Technologies for maximizing economic gains -

- **Focus:**
  - Small and marginal farmers
  - Small and medium enterprises
  - Villages and small towns
  - Youth and village communities
Technology as a building block for economic growth

Technologies for maximizing economic gains -

- Characteristics:
  - Decentralized management
  - Local resources
  - Infrastructure services
  - Leap frog technologies

Amenable for replication – at large scale
Technology as a building block for GREEN economic growth

- Regeneration and maintenance of the natural capital – livelihood security and QOL security
  - Closing the loops – zero waste-waste to resources – ecosystem approach
  - Resource efficiency – resource substitution – resource recycling
  - Technology diversity
Pre-requisites

*if technology is to be a building block for green economic growth:*

- **Packaging technology solutions**
  - **Hardware** – equipment, production systems
  - **Software** – know-how, know why, communication, information
  - **Business models** – investments, revenues, market development, financing systems, information
Pre-requisites
if technology is to be a building block for green economic growth:

- Conditions for technology seeding and maturation
  - Project situations for technology development-testing-incubation-productization
  - Programmatic approach for technology liberation

- Contextualizing technology solutions
  - Right scaling
  - Responding to stressed resource situations
• Thank You