

IAASTD and Food Sovereignty

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**Food and Democracy
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International Assessment of Agricultural Science and Technology for Development

1. Background to the IAASTD: Who

- Co-sponsors FAO, UNEP, UNESCO, UNDP, WB, WHO, GEF



THE WORLD BANK



WHO



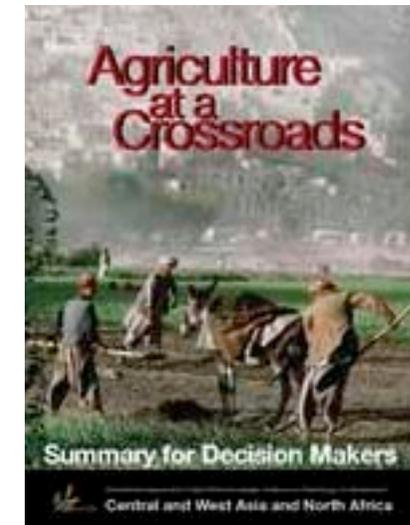
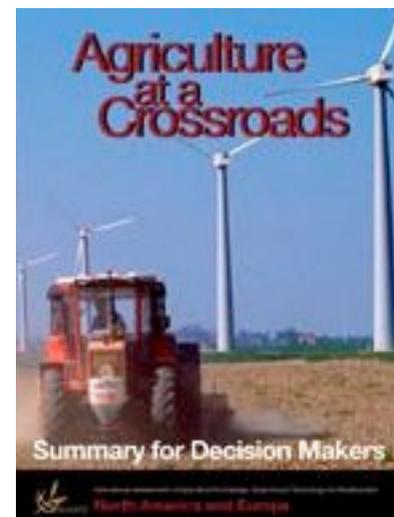
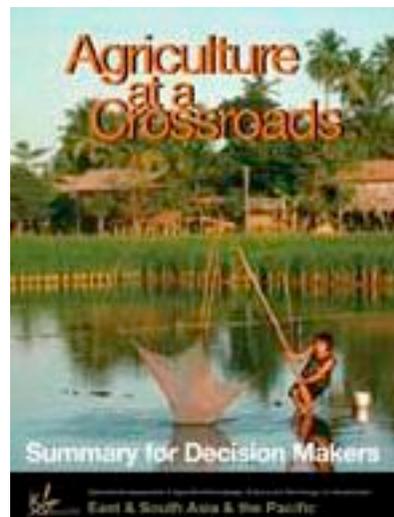
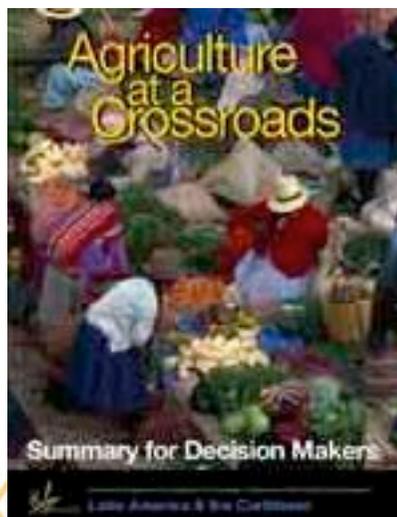
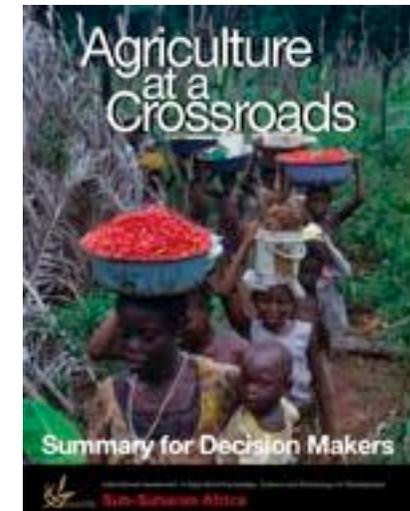
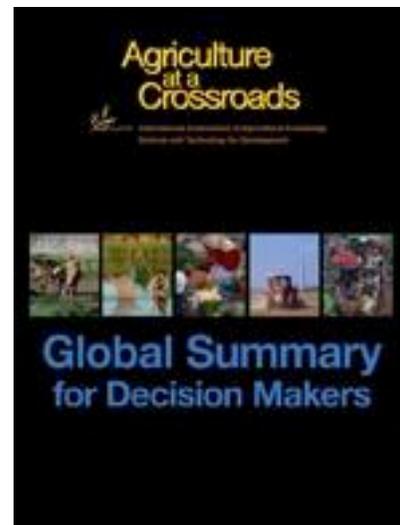
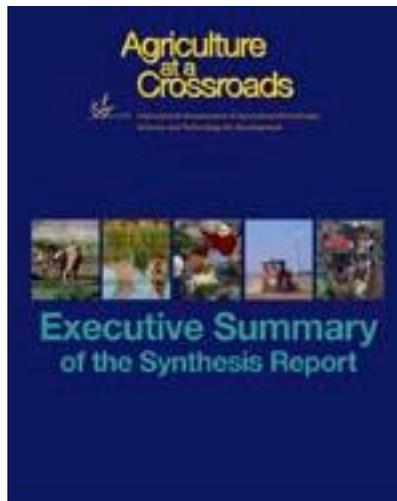
- Bureau (30 countries and 30 delegates from the private sector, civil society/NGOs (**Multistakeholder**))

IAASTD The Reports



ISLANDPRESS

Solutions that inspire change.



International Assessment of Agricultural Science and Technology for Development

1. Background to the IAASTD: What

Stakeholder identified the IAASTD Development and Sustainability Goals (=MDG) that the assessment will have to address in respect of AKST's past, present and future impact on:

- Reducing Hunger and Poverty
- Improving Rural Livelihoods
- Improving Nutrition and Human Health
- Facilitating Environmentally, Socially, Equitable and Economically Sustainable Development

...under the Challenges of:

- Climate Change (new)
- Population and Demand Growth
- Shrinking Natural Resources / Energy



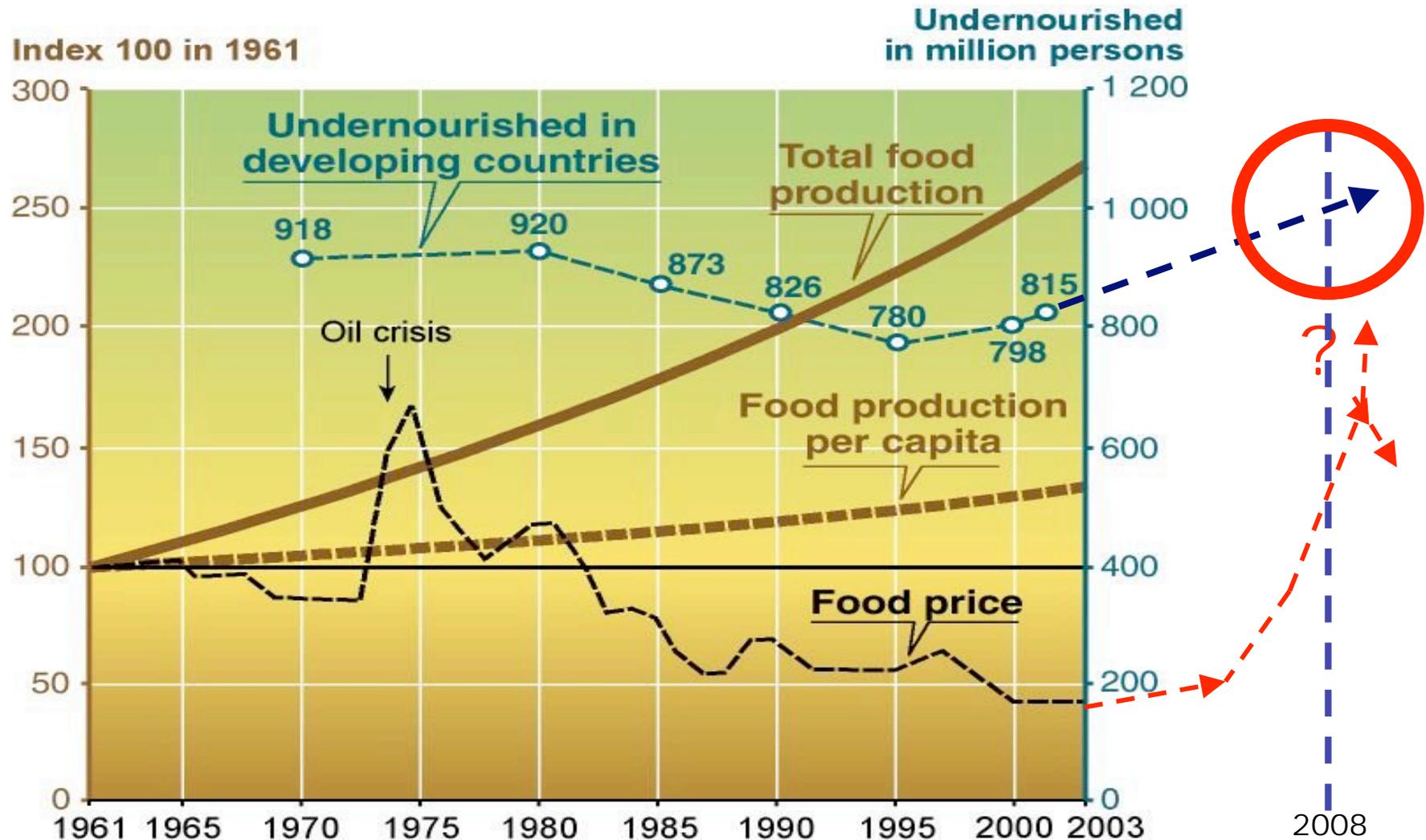
2. Global context and recent trends



- **Food crisis**
- **Water crisis**
- **Environmental crisis**
- **Climate crisis**
- **Financial and credit crisis**
- **Hunger crisis**
- **Biodiversity crisis**
- **...etc.**

2. Global context and recent trends

Unprecedented increase in ag productivity through R&D



Sources: FAOSTATS, SOFI, Millennium Ecosystem Assessment



3. What's the Problem? (with the present way...)



1. People have **benefited unevenly from the very significant yield increases** across regions

- **inequity, poverty**
- **health / nutrition**
- **uneven trade**

...and

2. this productivity increase has come at **costs:**

- **environmental sustainability**
- **soils**
- **water**
- **biodiversity**
- **climate change**

4. Options for action

New Equitable & Sustainable Way Forward

- 1. Empower, involve and support farmers (women) in sustainable agricultural practices, restoration and management of ecosystem services; crop/animal and labor productivity increases; safety nets**
- 1. Improve access to production resources and remunerative employment on and off farm; recognize the critical role of women and empower them (education, land tenure, add value locally to agricultural products)**
- 1. Improve markets, infrastructure, and institutions**
- 2. Expand and disseminate ecosystem sustainability oriented research, knowledge, and technology with stakeholder participation (soil fertility, animals on farms, diversity, IP)**



4. Options for action

New Equitable & Sustainable Way Forward

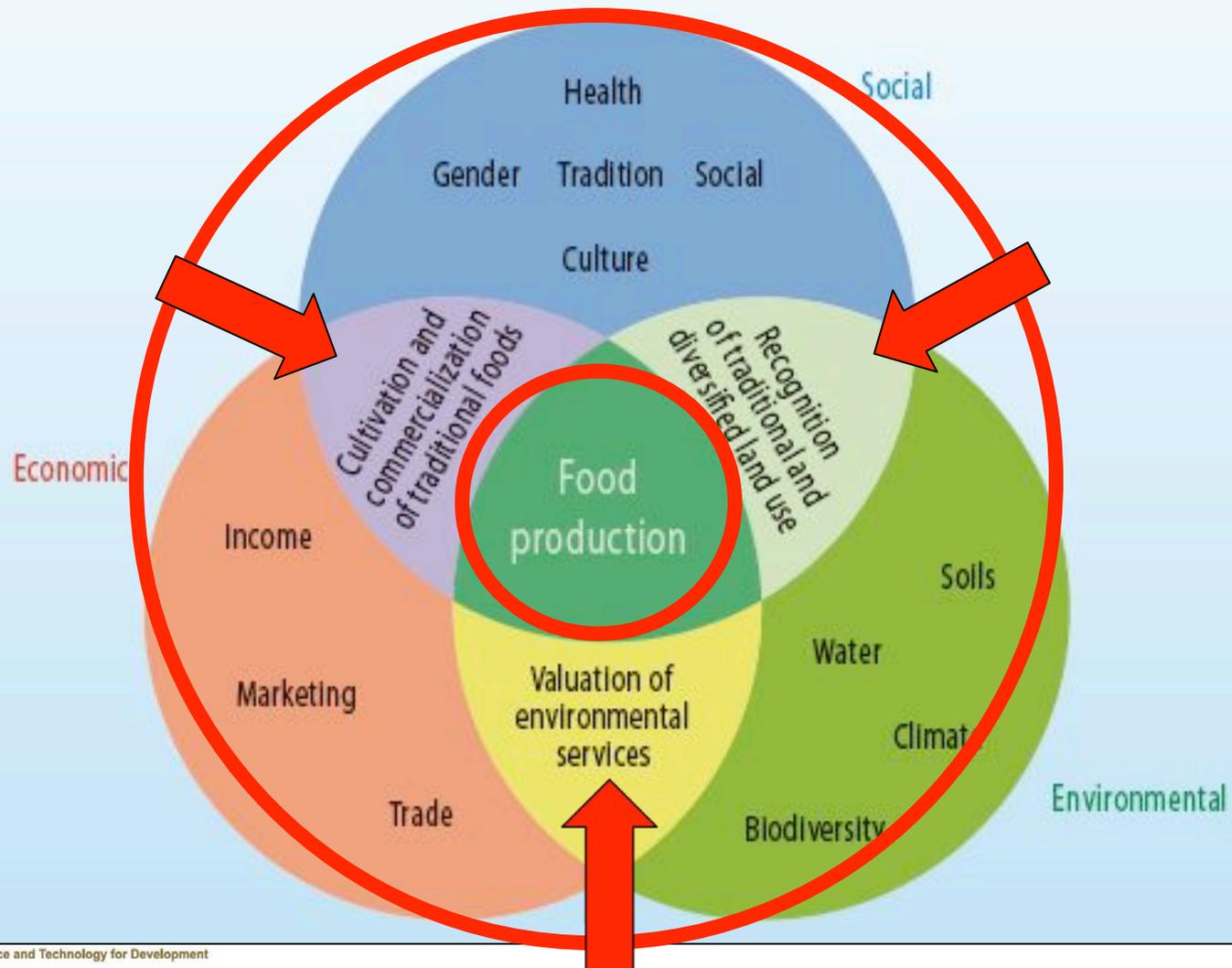
5. **Bring all sectors responsible for sustainable development into a comprehensive systematic analysis, to recognize that policy decisions in one sector (i.e., transportation) strongly affect other sectors (input & market access)**
6. **Promote responsible governance at global, regional and local levels**
7. **Invest in long term gains versus short term quick fixes (i.e., deal with the cause not the symptoms)**



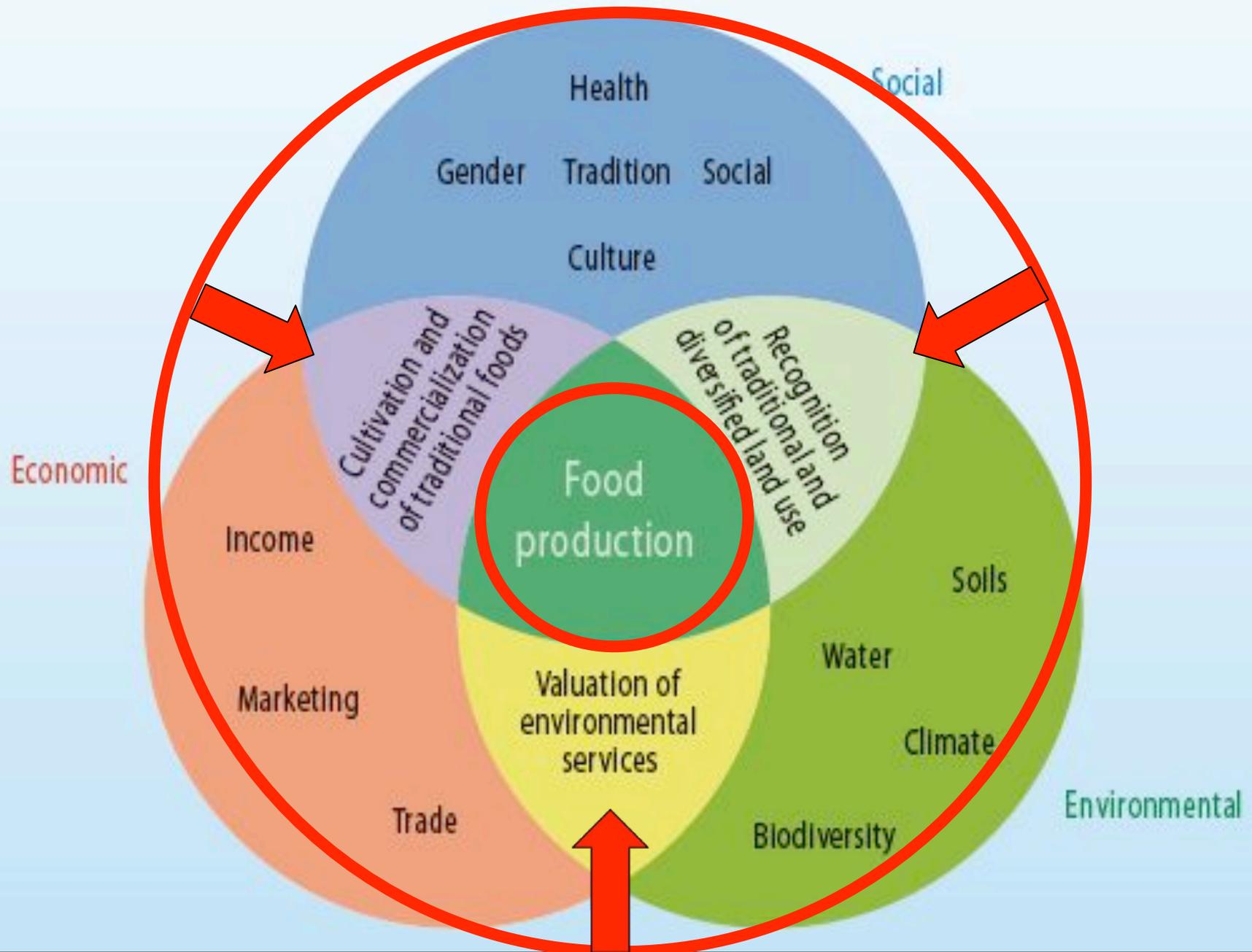
4. Critical Challenges: Multifunctional agriculture

Changing the R&D paradigm and focus

The inescapable interconnectedness of agriculture's different roles and functions



capable interconnectedness of agriculture's different roles and functions



Options for action: consumption patterns and sustainable development



Business as usual is not an option

Ecological Development

Environment



People

Plantes

Animals

A group of smiling women in a rural setting, likely a market or community gathering. They are holding large green leafy vegetables, possibly collard greens or similar. The women are wearing traditional headwraps and colorful clothing. The background shows a thatched-roof building and trees.

You cannot solve the problem with the same kind of thinking that created the problem

Albert Einstein

Thank you