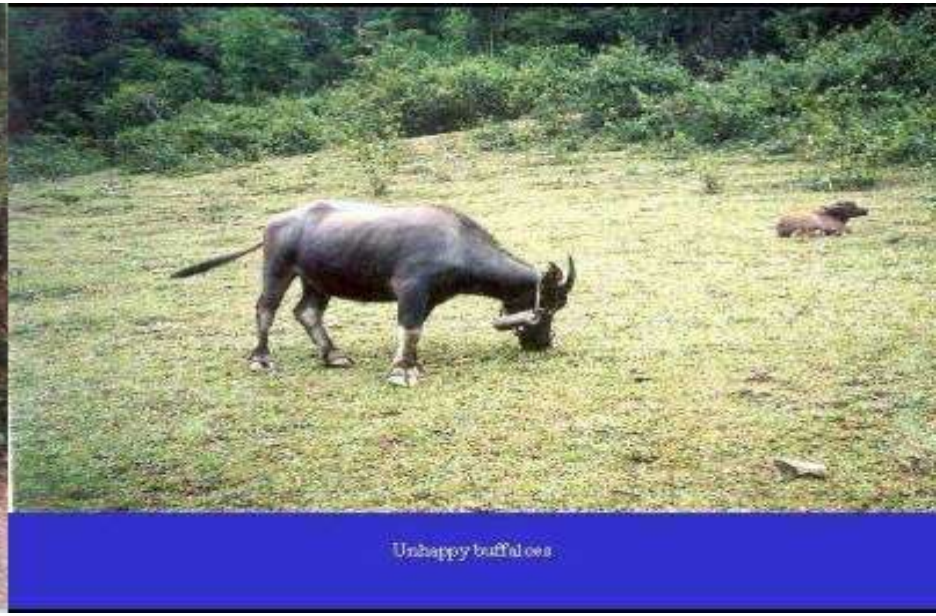
Conflict between crop, animal and forest production



Unhappy buffaloes

PROBLEMS

- **Land degradation**
- **Unstable and low crops yield**
- **Unstable production systems**
- **Eroded physical natural resources**
- **Reduced biodiversity and forest coverage**

POTENTIALS

- Rich in land resources
- Rich in forest resouces
- Rich in cash crop genetic resources
- Rich in energy resources
- Rich in animal husbandry options

MAIN CONCERNS

- **Poverty**
- **Food insecurity**
- **Low income**
- **Environmental degradation**

HOW TO BALANCE FOOD PRODUCTION AND ENVIRONMENTAL CONSERVATION

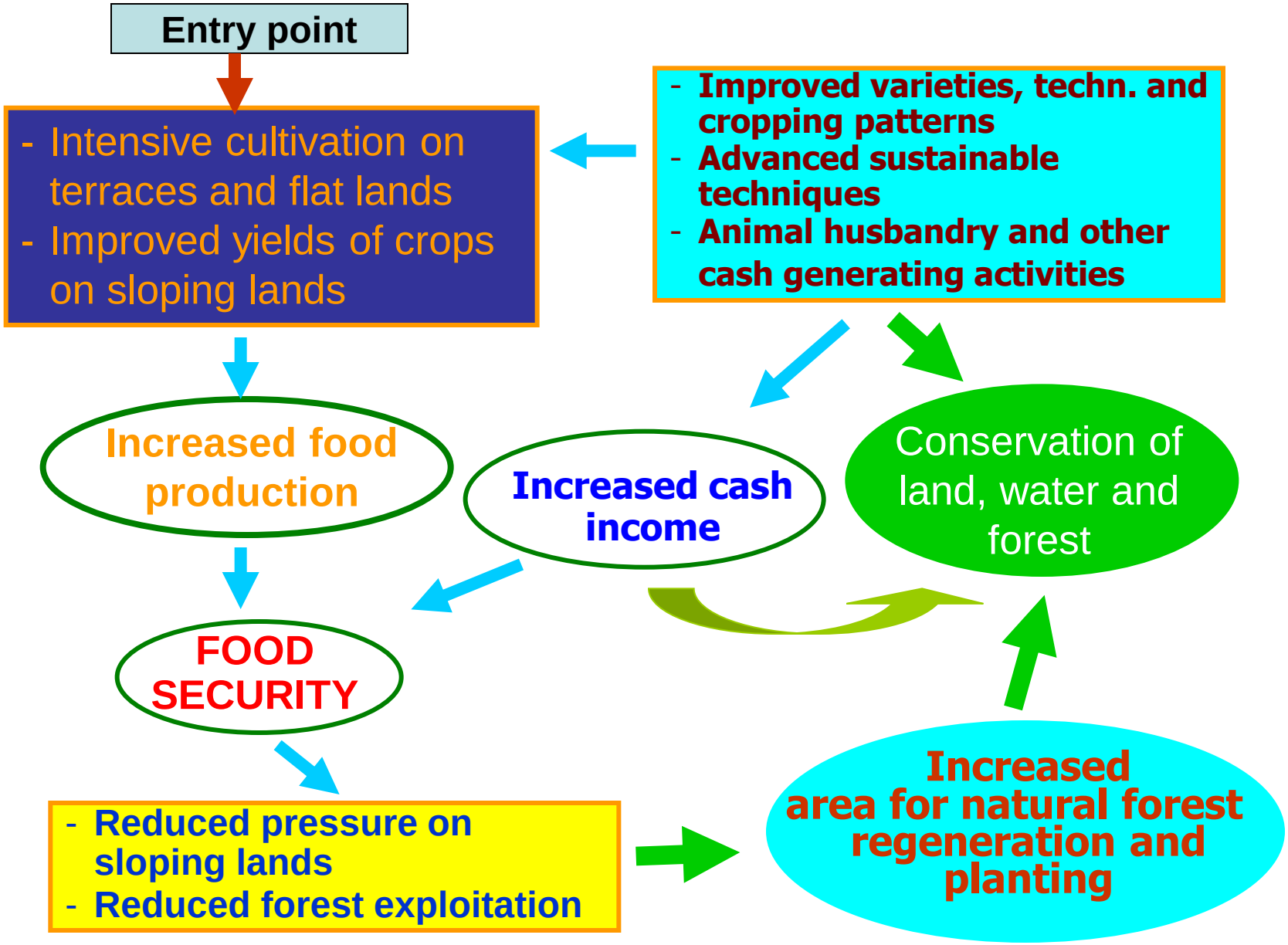
Concurrently

- **Increased food production**
- **Improved natural resources conservation**

In the conditions of:

- **Growing population and**
- **Unpredicted climate changes**

APPROACHES & MEASURES



ACTIVITIES

- Rice intensification;
- Cropping systems improvement;
- Slopping lands conservation;



Paddy rice variety improvements

- Duration : Spring 125 days; Summer 105 days
- Yield: Spring 6.5 tons/ha; Summer 5.3 tons/ha
- Good gain quality
- Widely adapted

High yielding and high quality Variety: HT1

Paddy rice variety improvements

Duration: Spring 130 days; Summer 115 days

Yield: Spring 6.5 tons/ha; Summer 6.0 tons/ha. Good resistant to pests and diseases. Very good quality

- **Duration:** Spring: 115 days; Summer: 95 days
- **Yield:** Spring 7.5 tons/ha; Summer 6.5 tons/ha
- Good resistant to pests and diseases

Short duration and high yielding varieties

Upland rice variety improvement

Testing of upland rice collection by
IRRI-IFAD- NOMAFSI Upland Project:
High yield, quality, resistance, tolerance, short duration

Upland rice variety improvement

Variety Luyin 46
-Duration: 115 days
-Yield: 50 ta/ha

IR 74371-54-1
-Duration: 125 days
-Yield: 45-55 ta/ha

Variety IR 74371
-Duration: 110 days
-Yield: 55 ta/ha

Variety DR4
Duration: 95-105 days
Yield: 45 ta/ha

Regeneration, conservation and development several specialty rice varieties

Sucessfully regenerated Nep Tu Le, Nep Nang Huong, Te Huong Chiem of Yen Bai Prov; Nep Rau, te Gia Dui, Te Khau Mang of Hà Giang; Te Shen Cu của Lao Cai