

'Hands & Minds'

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Background and rationale

Regional agricultural sector in transition

Expanding infrastructure and markets, government policies, aid programmes ...

- ➔ New opportunities for smallholder farmers to commercialise production
- ➔ Shift from traditional to increasingly specialised and intensified agriculture

How are farmers coping with change?

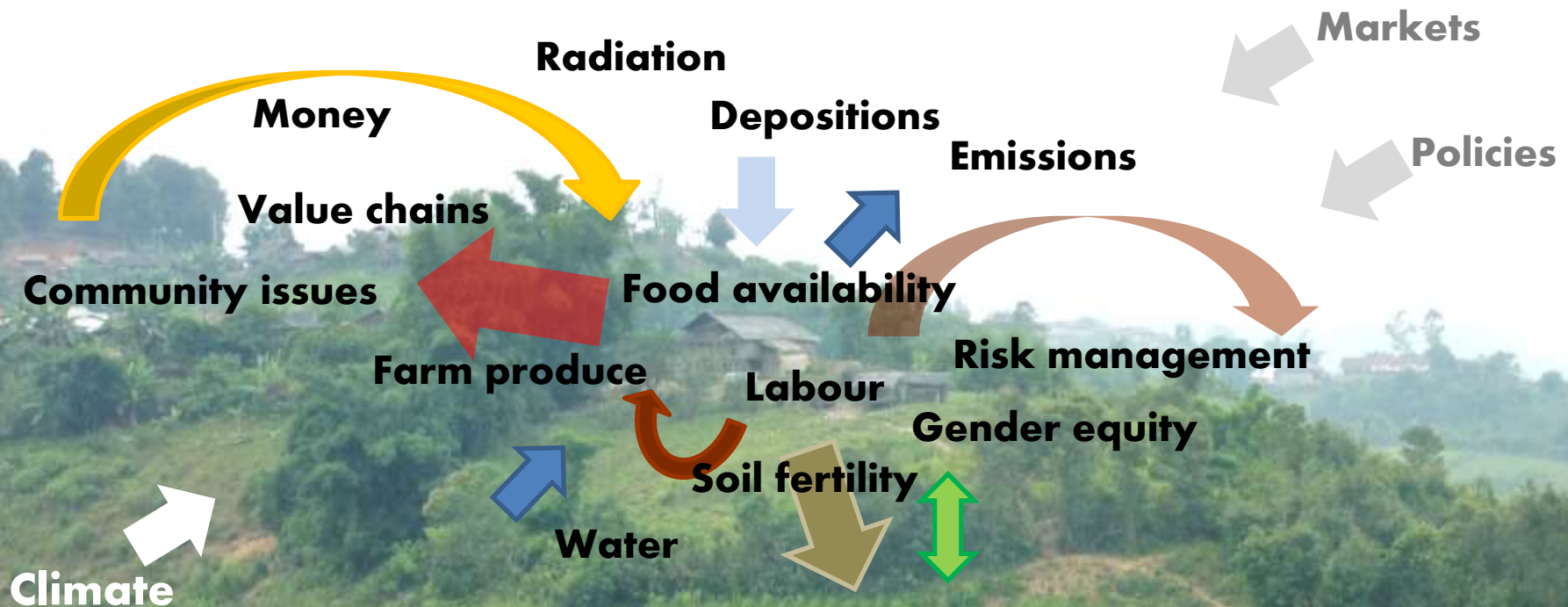
What is the trade-off for livelihoods in terms of commercial versus traditional systems?

How is agricultural transformation affecting the natural landscape?

How is intensification and commercialization affecting farms soils and ecology?



- **Bring together multidisciplinary science with farmer experience**
 - to scientifically **quantify** and **qualify** what is happening
 - what is working well, what not, what are the **footprints (eco-efficiency)**
 - current and future scenarios
 - across a spectrum of farming systems, from **traditional** to **new** systems emerging



Northern Laos

5 villages in each of Pek and Koun districts, Xieng Khuang province

Eastern Cambodia

6 villages in Ouyadav and 9 villages in Lumphat districts, Ratankiri province

Central Highlands of Vietnam

- 6 villages in Ea Kar district, Dak Lak province
- 5 villages Krong No district, Dak Nong province



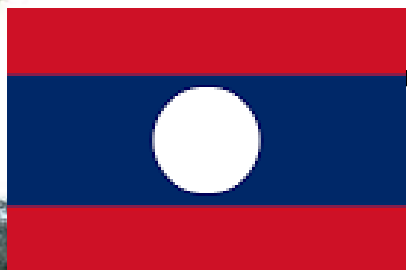
National Agriculture and Forestry Research Institute



Royal University of Agriculture



Western Highlands Agricultural Science Institute



Main approaches and methodologies



Analysis of eco-efficiency of farm systems

- Putting the pieces together ...

**Biophysical
agronomic
research**



Spatial research

**Cultural and
community research**



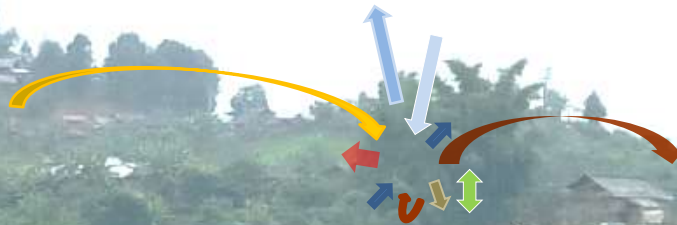
**Socio-economic
research**



Farm → Landscape → National → Regional

Learning alliances and multi-stakeholder platforms

- Stimulate **mutual learning** and **ownership** among stakeholders
- Generate **feedback** and **support with scaling** lessons up and out



Thank you!
Any comments, questions ... ?

