



1st ASEA PhD Days

Virtual meeting

1st - 2nd December, 2021 | 14:00-17:00 GMT+7



“Identifying and designing incentive mechanisms to support the agroecological transition in Cambodia towards sustainable and resilient agricultural systems”

Alexia DAYET - 2022-2024

Supervised by:

Julien DEMENOIS (Director - Aïda/Cirad)

Alain KARSENTY (Co-Director - Sens/Cirad)

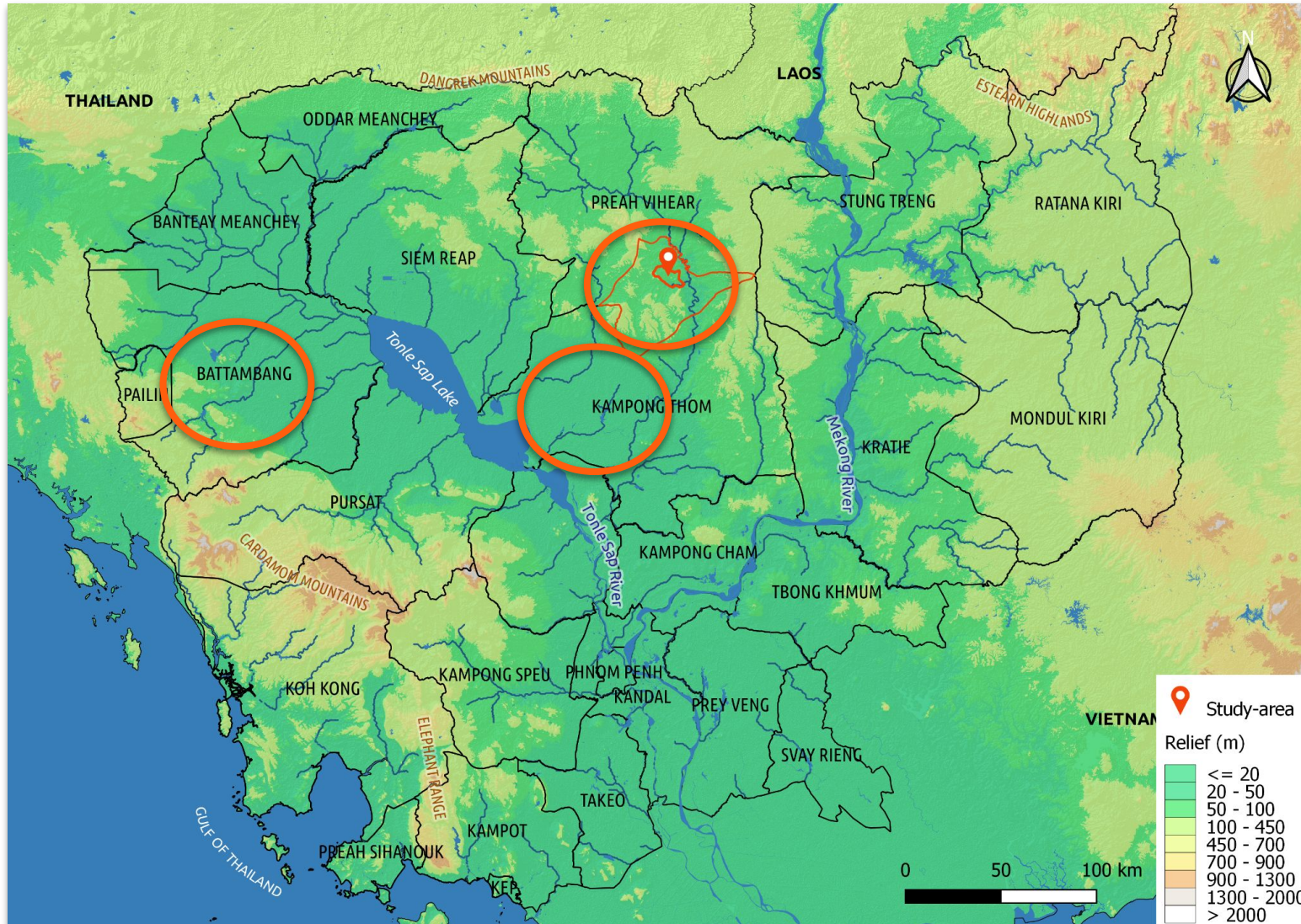
Jean-Christophe DIÉPART (Supervisor - Univ. Gembloux)

Context

General question : **How to maintain or promote agroecological practices through incentives mechanisms?**



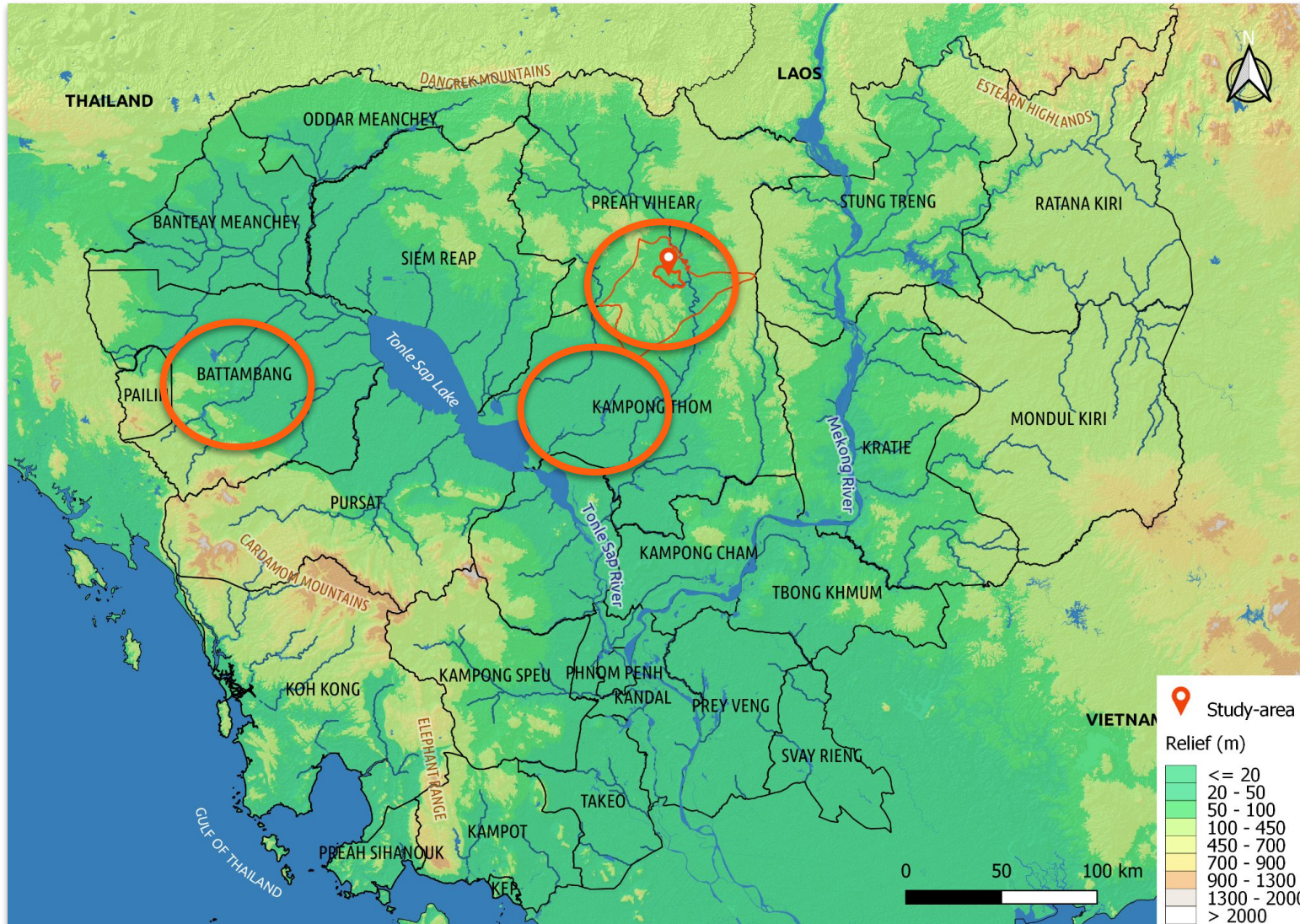
Context



3 fields in ≠ contexts:

- **Preah Vihear** (Master Thesis) – Organic Rice
- **Kampong Thom** – Sustainable Rice Platform
- **Battambang/ Kanhhot**

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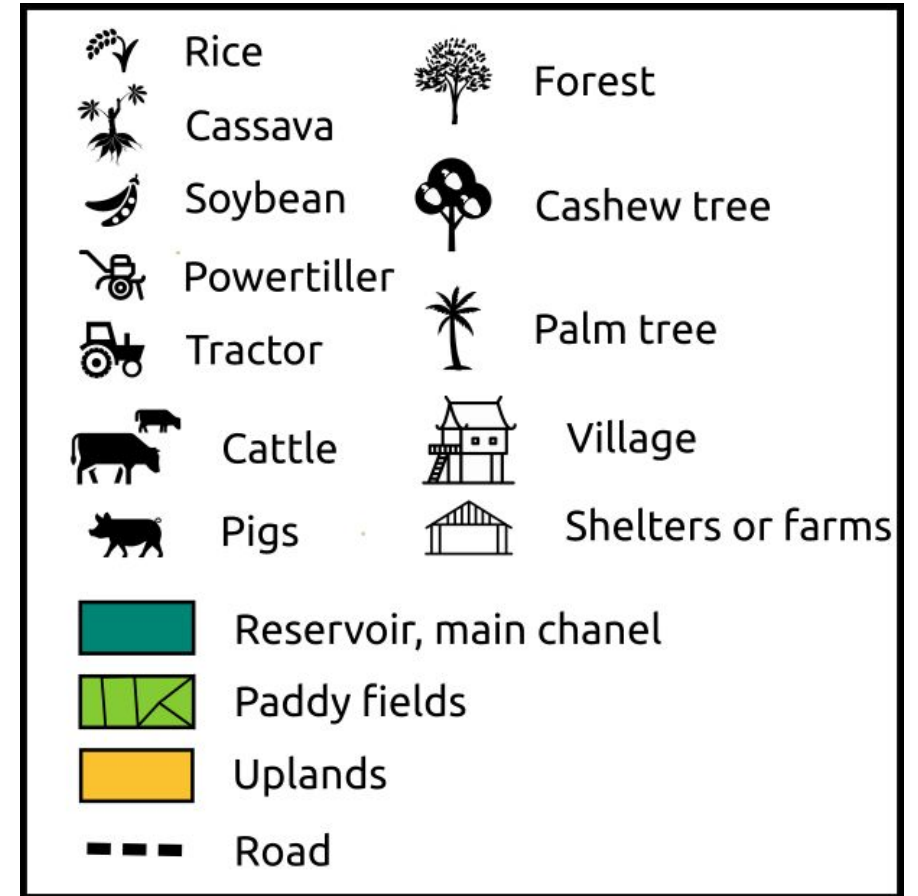
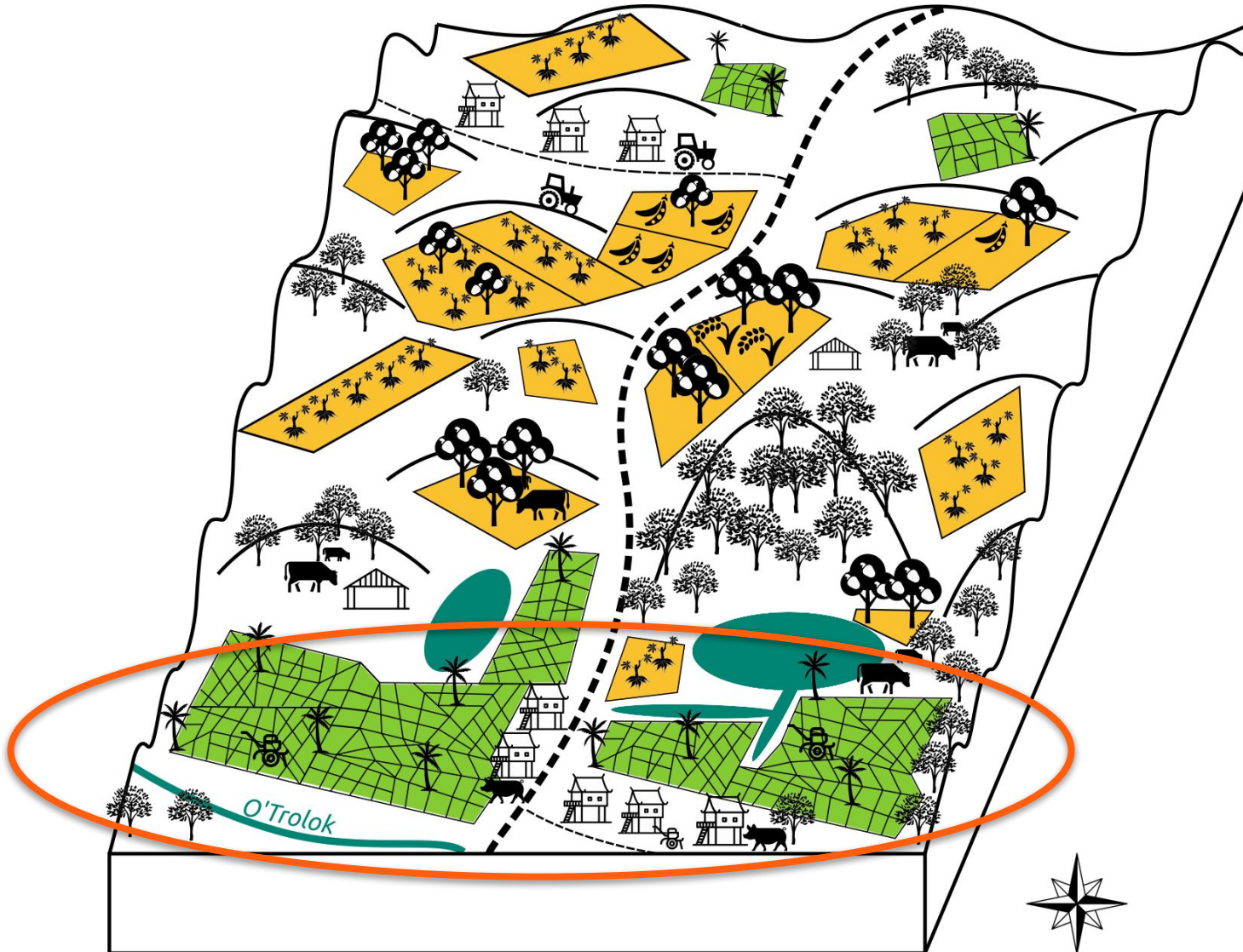
 **RICE ??? ->**
systemic analysis

Preah Vihear Province: Master thesis

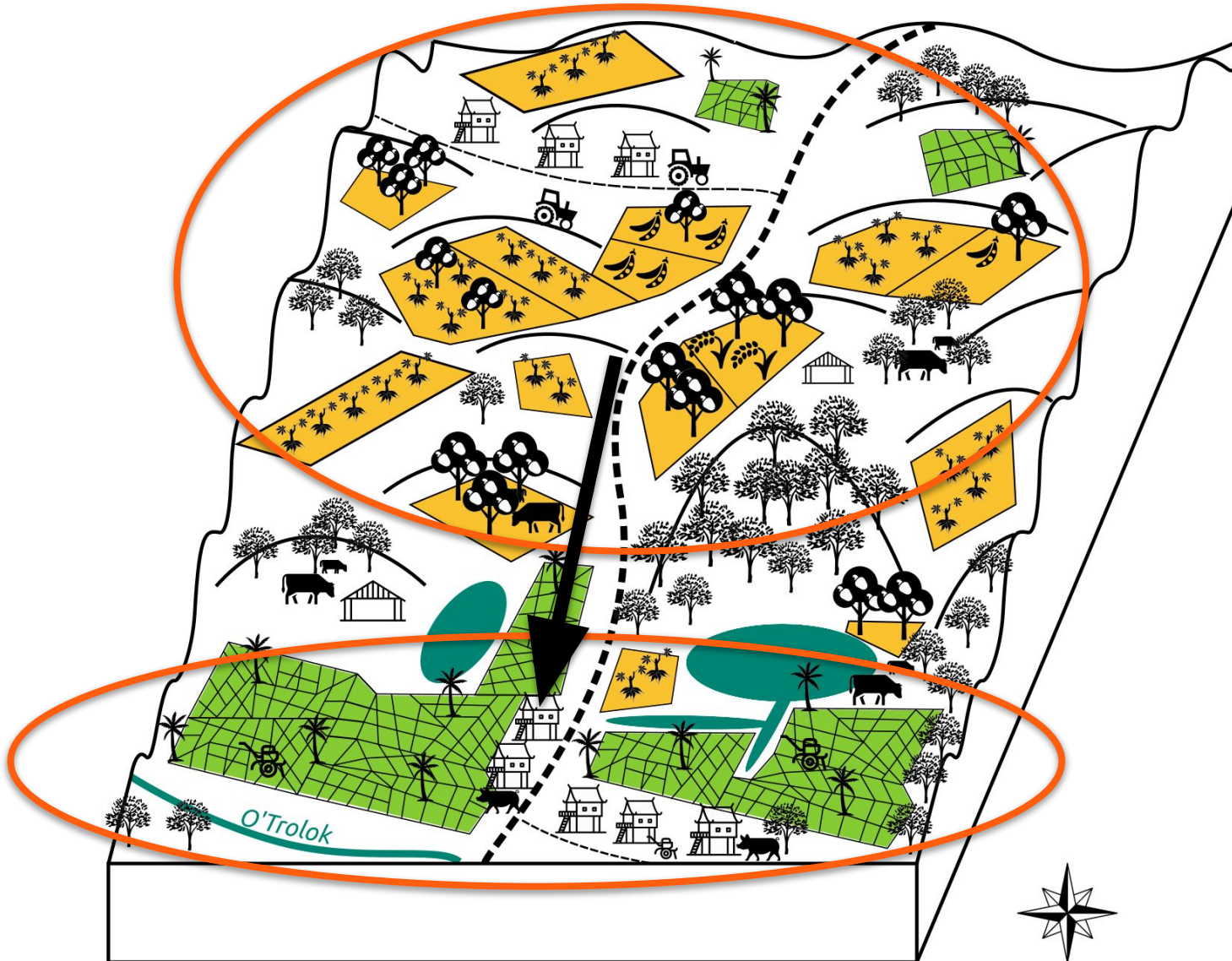
Assessment of farmers' interest for organic rice in Rik Rey commune



















Preah Vihear Province: landscape



Preah Vihear Province: landscape



	Rice		Forest
	Cassava		Cashew tree
	Soybean		Palm tree
	Powertiller		Village
	Tractor		Shelters or farms
	Cattle		
	Pigs		
	Reservoir, main chanel		
	Paddy fields		
	Uplands		
	Road		



Preah Vihear Province: history - before 1970

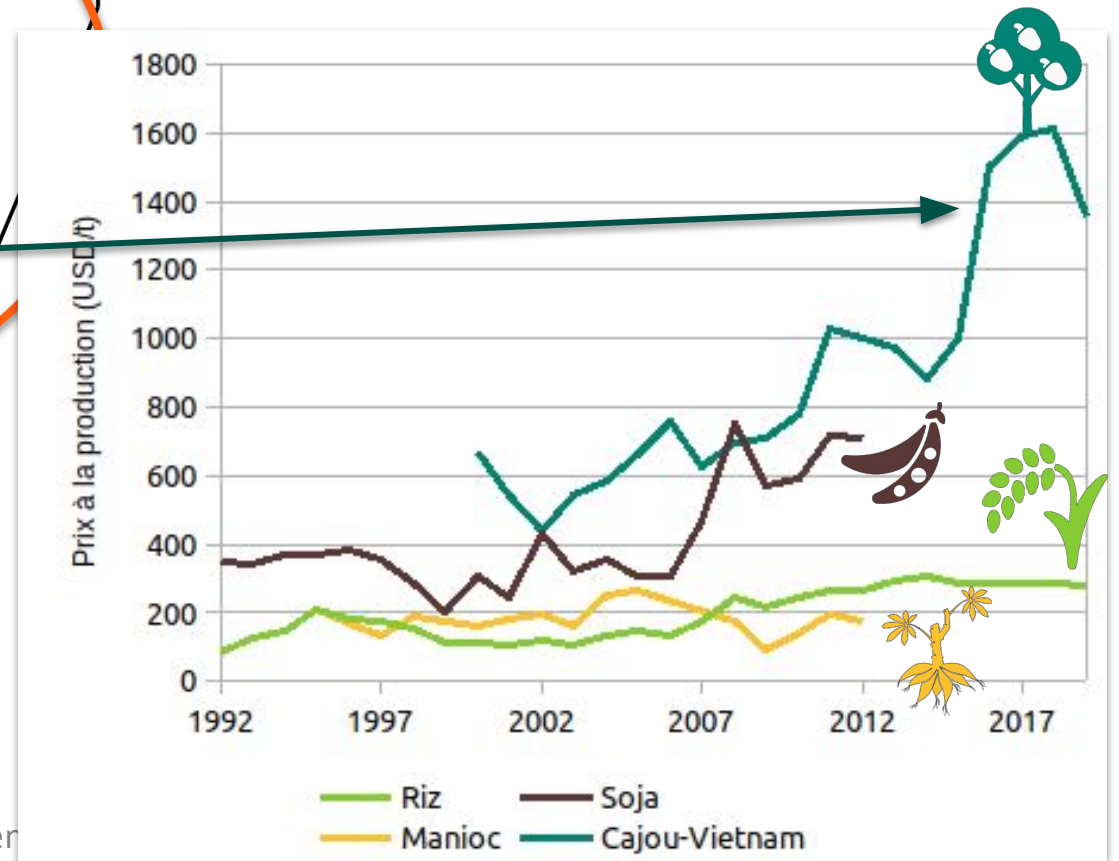


- Currents dynamics: decrease of the forest cover and uplands crops interest

Preah Vihear Province: history

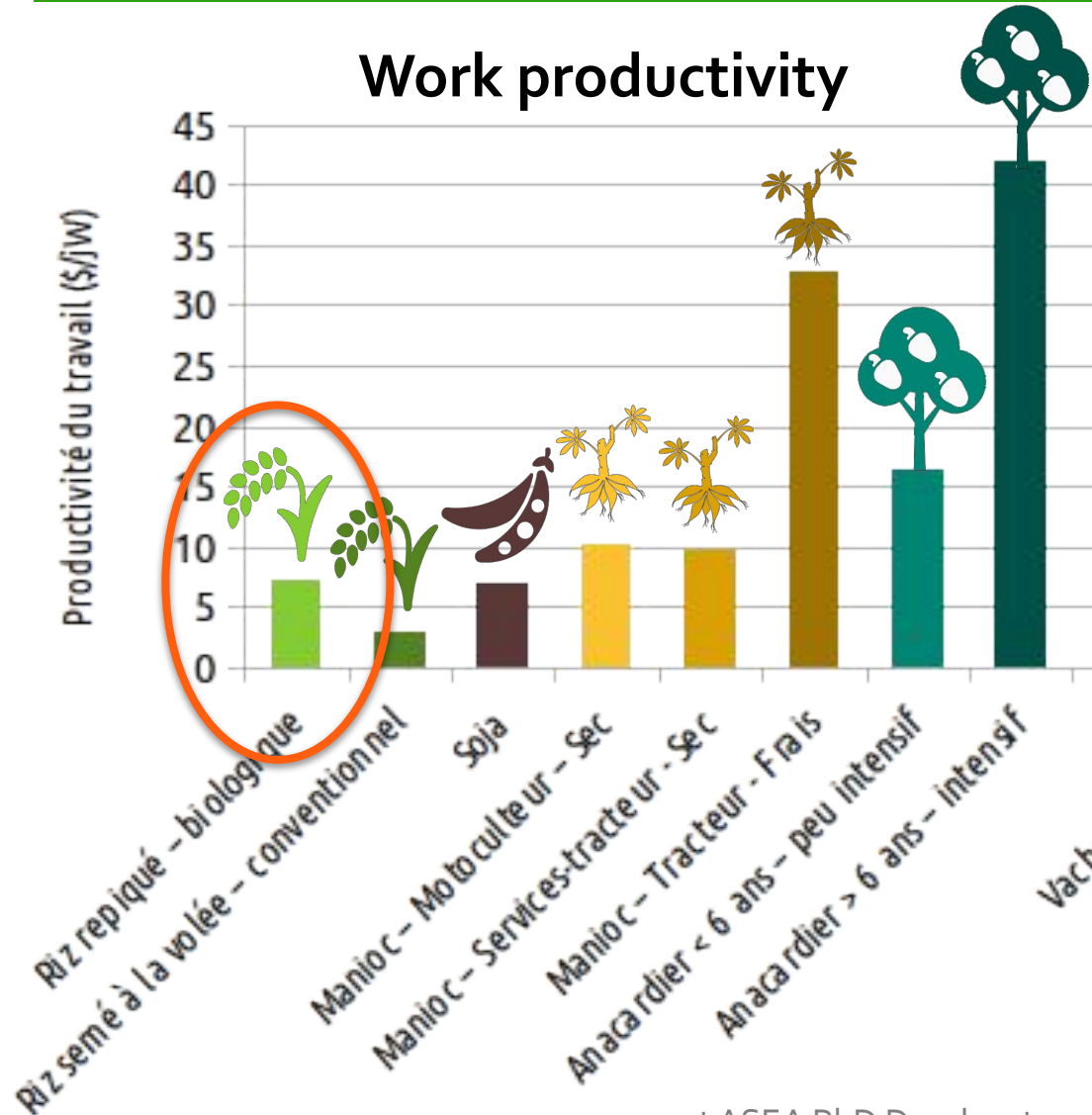


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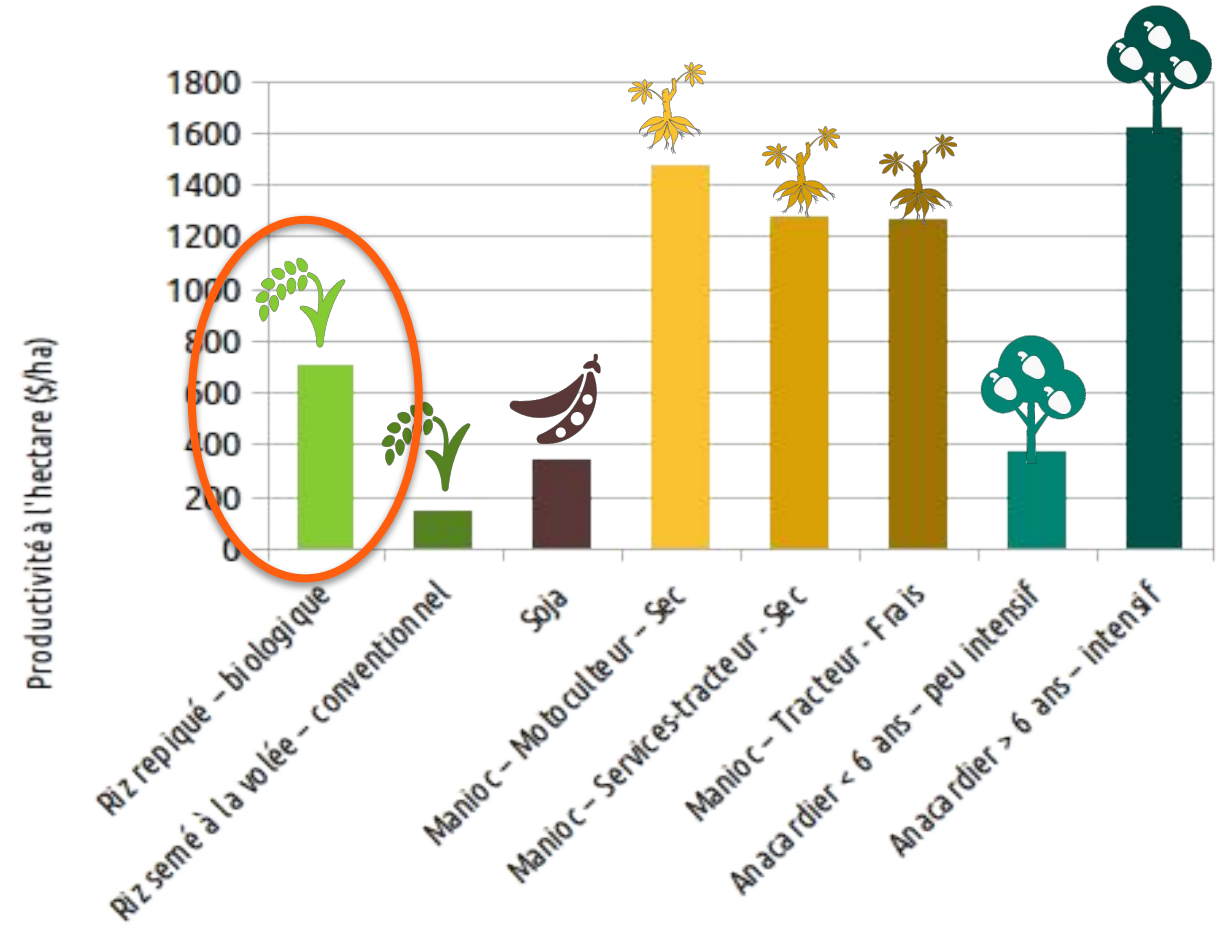


Preah Vihear Province : technical and economic performance

Work productivity

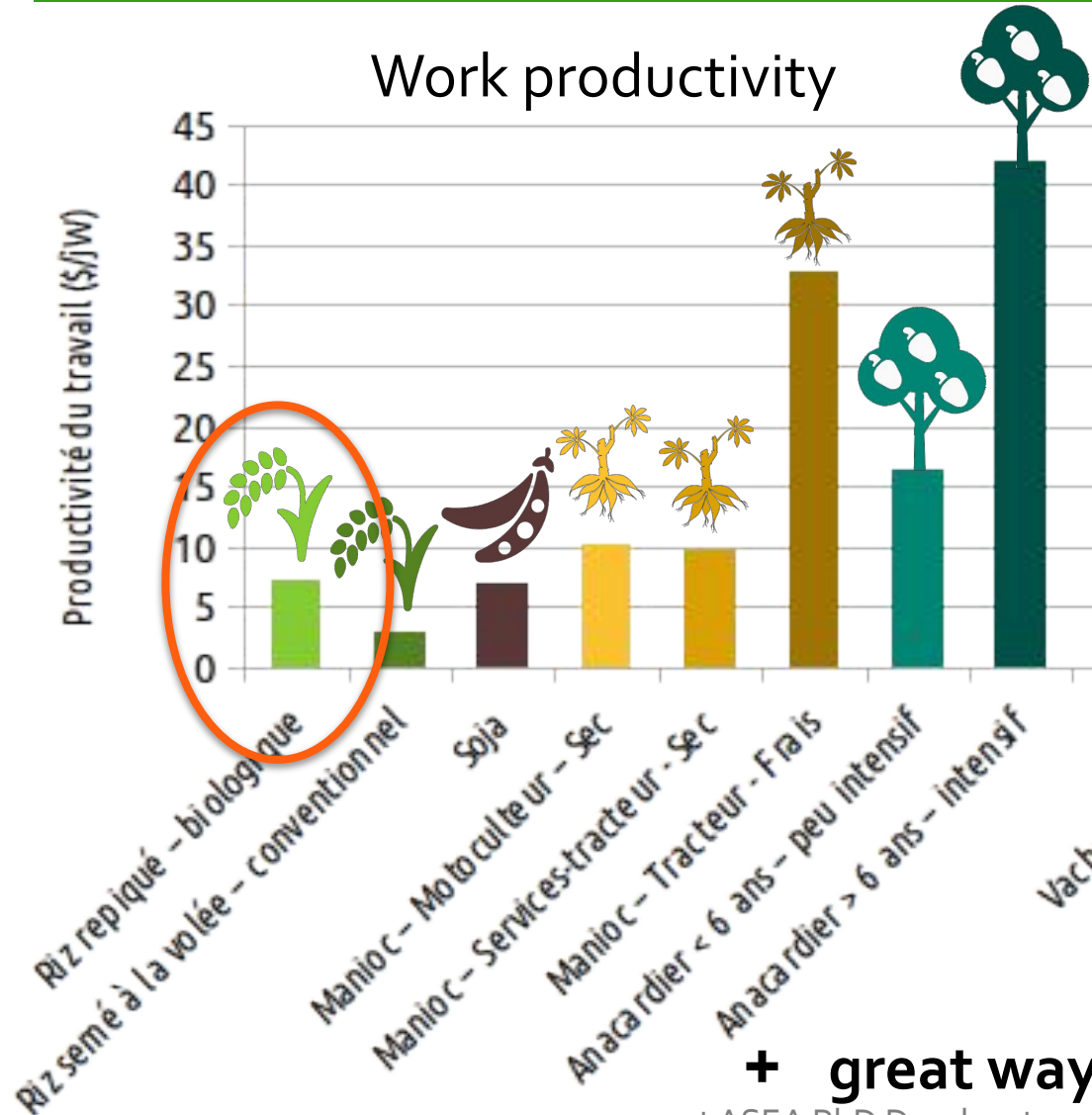


Productivity per hectare

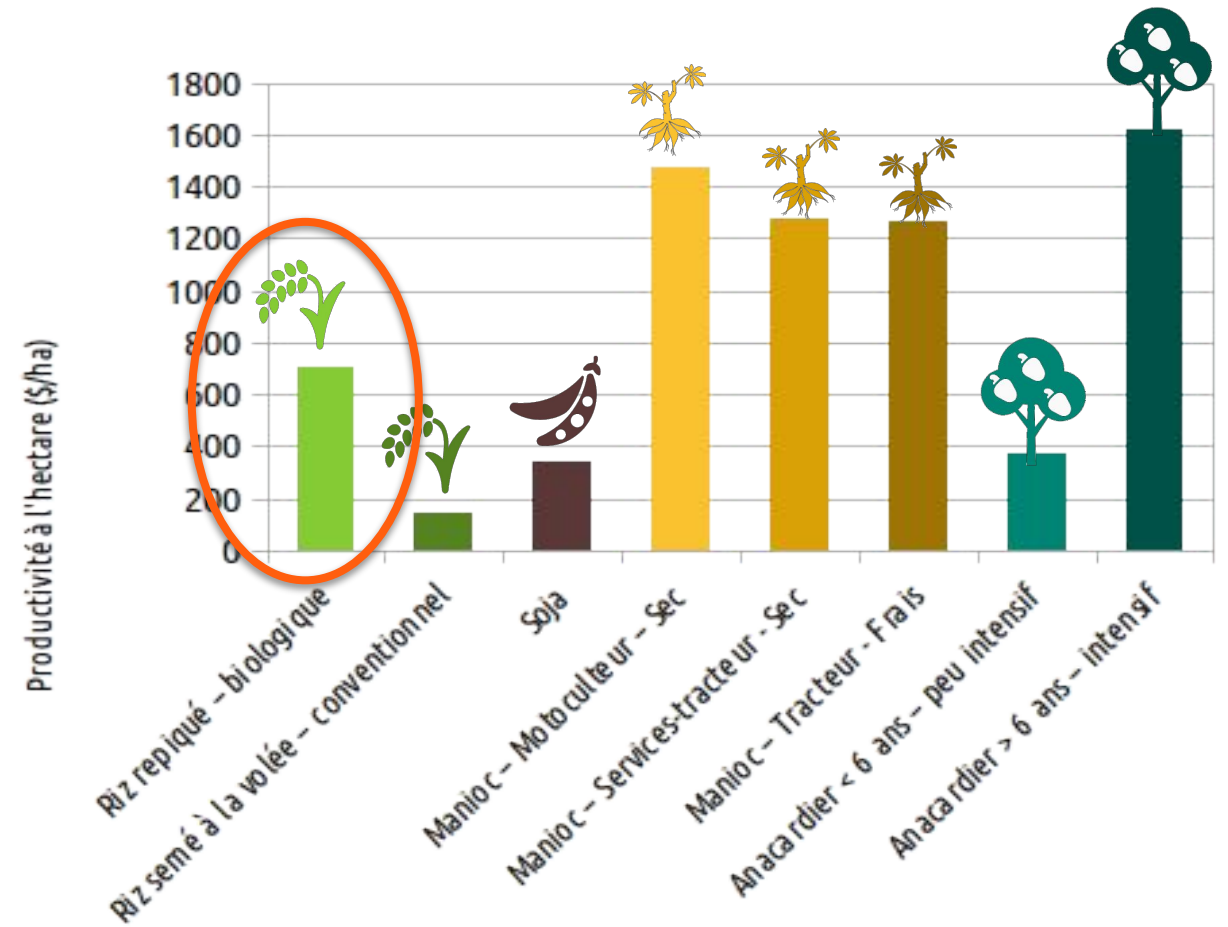


Preah Vihear Province : technical and economics performances

Work productivity



Productivity per hectare



+ great way to diversify working calendar

Systemic analysis !



- Needs for a deep comprehension of agrarian systems and farming practices
- Demenois, J., Dayet, A. & Karsenty, A. *Surviving the jungle of soil organic carbon certification standards: an analytic and critical review.* Mitig Adapt Strateg Glob Change 27, 1 (2022)

Organisation

Year 1 - 2022

Field work - Cambodia

State of the art: January to April 2022 - Montpellier

Field work: April-May to Sept-Oct 2022 - Cambodia

Article: Literature revue: potential incentive mechanisms to accompany the agro-ecological transition

Year 2 - 2023

Field work - Cambodia

Link between incentive mechanisms and their operationalization the studied fields: January to April 2023 - Montpellier

Field work: April-May to Sept-Oct 2023 - Cambodia

Year 3 - 2024

Design the operational implementation of incentive mechanisms in pilot areas of Cambodia

Thesis redaction

Thank you for your attention !!!

