CLIMATE, ENERGY AND FORESTRY INTERLINKAGES IN GREEN GROWTH

Overview of GERES’ research results

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Woodfuels in Cambodia: current situation

- In Cambodia, GERES’ preliminary estimates of annual woodfuels demand around **2 million tonnes for firewood** and **336,000 tonnes for charcoal** (requiring 2 million tonnes of wood);

- It represents an estimated economic value of **349,520,000 USD** and is essential to sustain the livelihoods of millions of households relying on rain-fed rice;

- For Cambodia, the **fraction of « non-renewability of the biomass energy »** would range between **26.3%** and **38.7%** (Yale/UNAM). The findings are in line with GERES’ study at local level.

- Currently an important share of the biomass energy is supplied by **land cover change for agriculture**;

- These fast changes in the landscape combined with climate change and other existing vulnerabilities; are expected to affect the populations relying on them in the short term.
Woodfuels in Cambodia: what are we doing about it?

Decrease woodfuels demand:

► Dissemination of more than 3 million improved cookstoves saving more than 1.6 million tonnes of wood;
► Development of energy-efficient institutional stove for productive use.

Increase sustainable woodfuels supply:

► Implementation with the Forestry Administration of 8 sustainable charcoal production centers linked with community-forests;
► Dissemination of agro-forestry and agro-ecology practices to increase resilience to climate changes and supply domestic cooking fuels at the farm level.
Woodfuels in Cambodia: our wishes for this new year

- Scale-up the current impact assessment integration all the woodfuels and re-calculation of the fNRB based on local data;
- Development of a strategic plan for to achieve sustainability in the biomass energy sector.
- Development of a Nationally Appropriate Mitigation Action to tackle the current barriers, support the sector and the establishment of community forests and sustainable charcoal production centers;
- Reduction of the households woodfuels demand:
  - NLS & NKS: Scale-up production in Kampong Cham in 2015
  - KhROS: Pilotning of production in 2015; - 20% of fuel savings compare to the New Lao Stove;
- Reduction of the industrial demand:
  - End of two year of intensive research on 11 economic sectors using biomass energy.
- Foster collaboration with Development Partners to tackle the interconnexions between the issues relating to woodfuels and resilience of the communities relying on them.
THANK YOU FOR YOUR ATTENTION!

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