

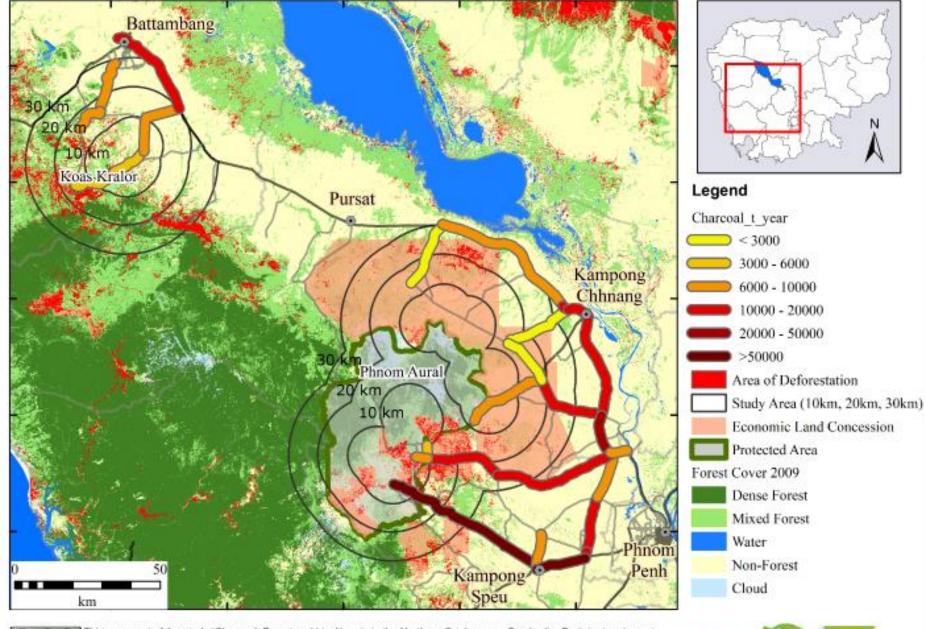
CLIMATE, ENERGY AND FORESTRY INTERLINKAGES IN GREEN GROWTH

Overview of GERES' research results

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- 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.



This map, part of the study "Charcoal, Forest and Livelihoods in the Northern Cardamoms, Cambodia- Participatory Impact Assessment of Charcoal production using Global Forest Watch" by GERES is licensed under CC BY SA v4.0 Forest cover, road network, provincial boundary and provincial center layers from Open Development Cambodia are licenced under CC BY SA v3.0 - Area of Deforestation from Hansen/UMD/Google/USGS/NASA is licenced under CC BY v4.0

GLOBAL

FOREST

WATCH

oere

Service asset



Decrease woodfuels demand:

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- Dissemination of more than 3 million improved cookstoves saving more than 1.6 million tonnes of wood;
- Development of energy-efficient institional 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.



- 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: Piloting 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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