

# Possible local impacts of SHP

**Training and dissemination workshop  
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# Impacts on:

- Natural/physical environment
- Biological environment
- Social-cultural environment

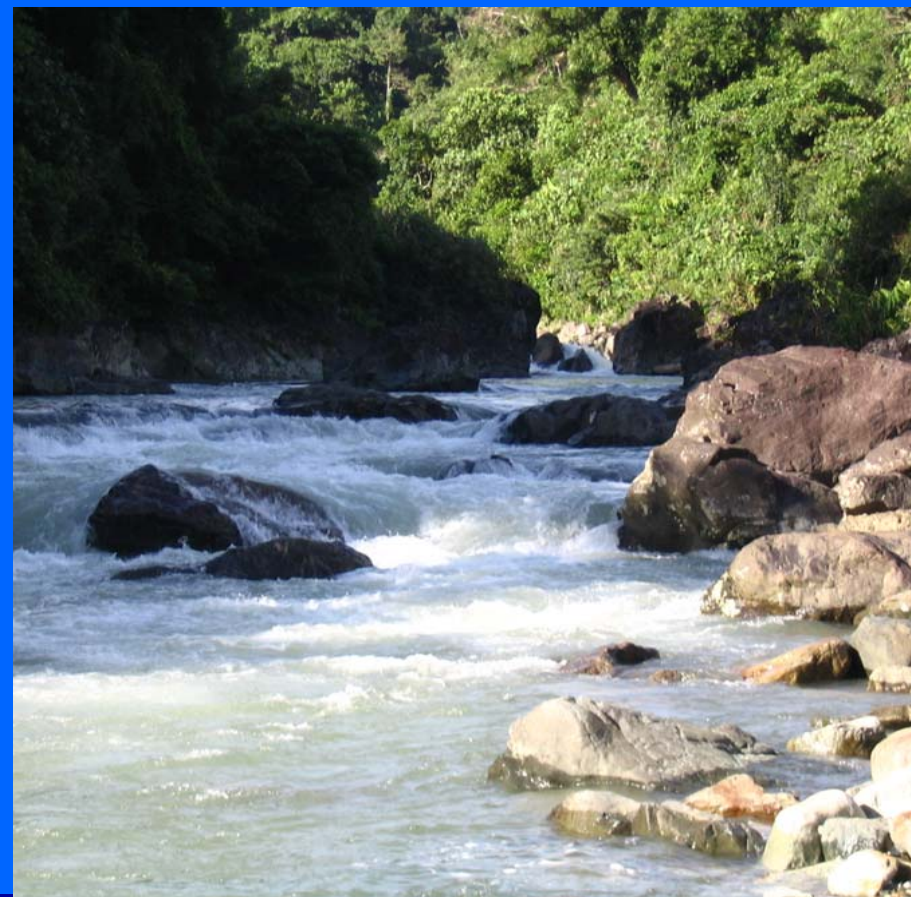
***Impacts go both ways: SHP ↔ SHP***

***Clear interest of all stakeholders in good assessment***

## Krong Pa 2



## Lower Dugui



## Krong Pa 2

- Grid-connected
- In forest area
- Remote area
- Presence minorities

## Lower Dugui

- Grid-connected
- In forest area
- Remote area
- Differing economic interests

# No major environmental impacts

- No reservoir nor resettlement
- Limited land-take
- Little or no effect on irrigation
- Effect on fish migration little known
- No problems with water use expected

- No reservoir nor resettlement
- Limited land-take
- Little or no effect on fishery/irrigation
- Some problems with water use expected

# But: there are specific issues

- Status of EIA and SIA
- Watershed management
- Social impact of extra connections
- Local participation

# Status of EIA and SIA

## Krong Pa 2

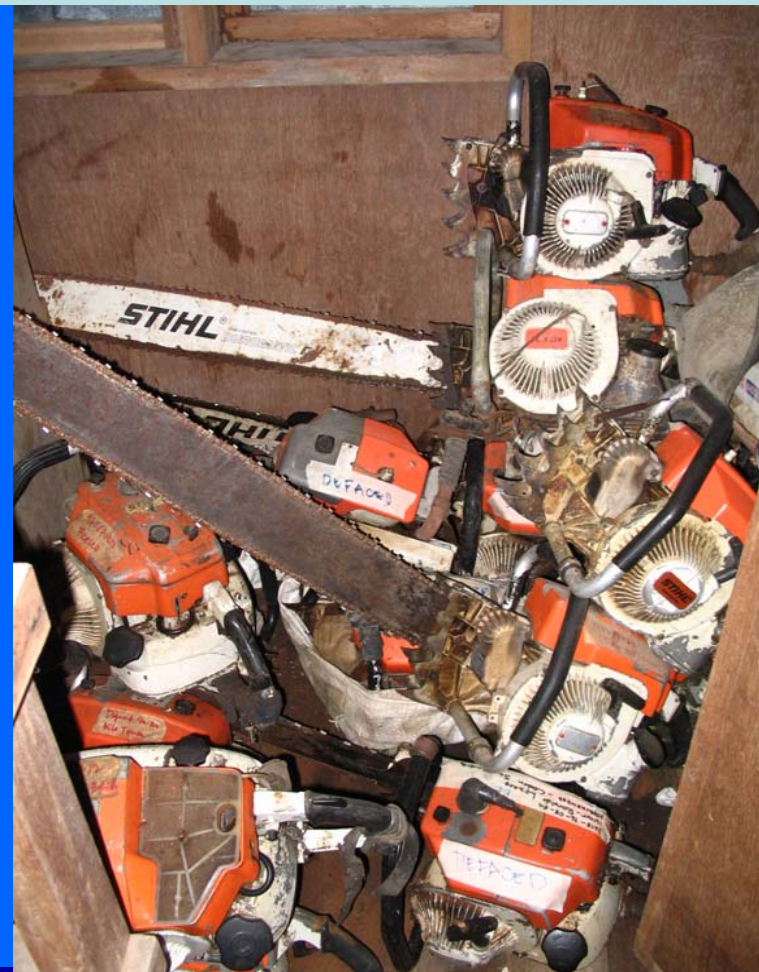
- EIA done and accepted
- Highlighting social impacts not required by law
- Therefore separate SIA done
- Local involvement in SIA research

## Lower Dugui

- EIA checklist done
- Outcome to be approved
- Social impacts part of EIA, as also:
- Local consultations
- No separate SIA done

# Integrated watershed management

- Cultivation of watershed and illegal logging may affect water flow
- Locals depend on the area for their livelihoods
- Construction of SHP increases access to area (new roads, more people)





# Watershed: Lower Dugui



- At least 100 households cultivate the watershed area
- 100-1000 trees cut each year
- FICELCO (distributor) plans to develop reforestation project, employing the affected households
- About 3 km of access roads need to be constructed

## **IFRERA:**

***Special attention to the current use of the watershed management***

## Social impact of electricity generation

- ➔ Increase of quality of supply with existing connections
- ➔ Increase of number of connections

*Ha Dung 2 village in VN: no electricity yet*



## Social impacts: Krong Pa2

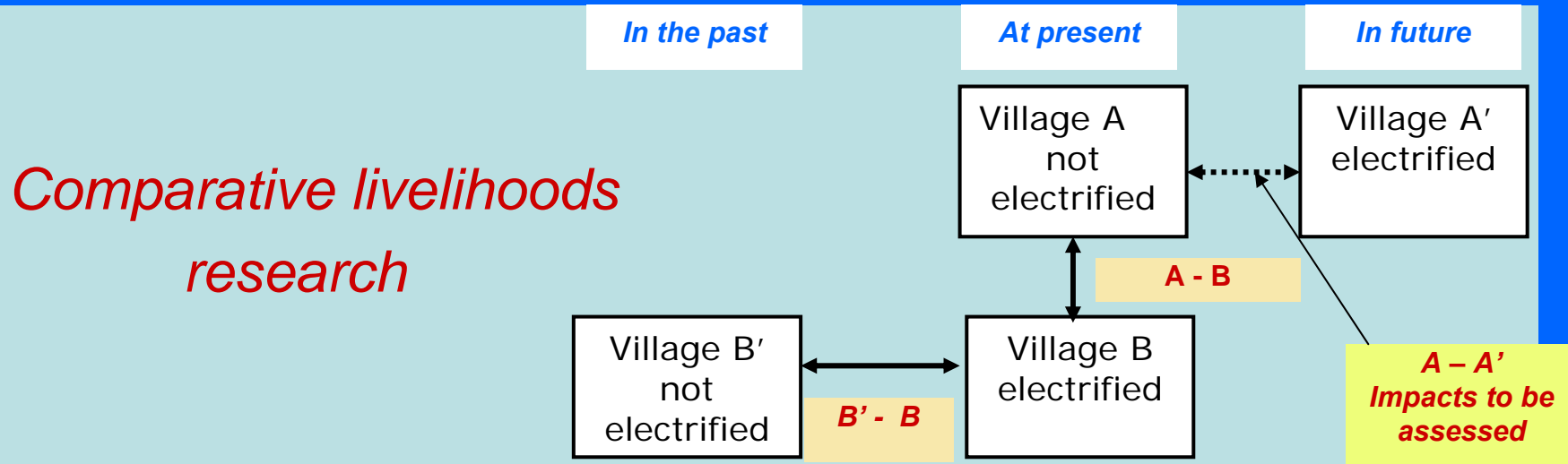
- Will people take new connections?
- Do domestic energy costs change?
- What will people do with new connections?

***IFRERA Special attention to :***

***Impact of electricity connection  
on livelihoods?***



# Krong Pa2 impact study



What is the impact of electricity on livelihoods?

Research Centre for Energy and Environment  
(ngrcee@hn.vnn.vn)

# Krong Pa 2: Social impact

Electricity has improved the livelihoods in and around the house



People cannot afford electricity

Electricity is not used for productive purposes



# How to increase impact?

- Connect new villages
- Provide free connection?
- Provide free equipment?
  - The Rong House
  - The school
- Develop productive activities (e.g. repair workshop for agricultural equipment)
- Integrate with other development efforts (program 134,135)
- Potable water?



Rong House in Kon Lanh

# Local consultation

→ Who was consulted?

→ Who benefits?

→ Who are stakeholders?

→ Who decides



*Dak Roong  
commune*



*Barangay council  
Dugui Too*

# Conditions local participation

## Krong Pa 2

### Ownership

- Private Joint Stock Company. Distribution by national utility

### Culture / regulation

- Centralised energy planning; no major decisions by commune

### Other

- Presence of ethnic minorities

## Lower Dugui

- Cooperative: generation and distribution. Board is elected by population.

- Culture of participation: people's consent in hearings needed. Involvement of NGOs

- Conflicting economic interests puts burden on participation



# Final observations

- Safeguard financial means for independence in doing EIA
- Check who are responsible for outcomes EIA
- Assess to what extent the expected social impacts should play a role in EIA
- Determine how the voice of local communities is heard (consultation or participation in decisions? )

Suggestions?

Questions?

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