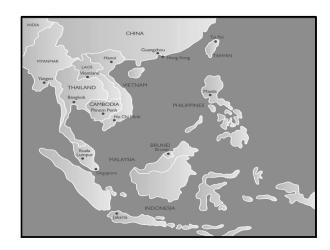


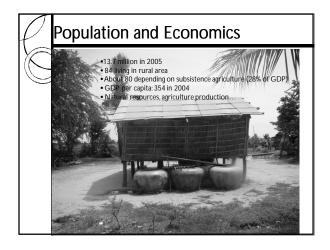
Outline

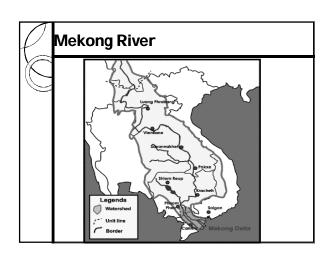
- Country Profile
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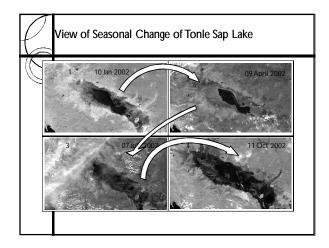
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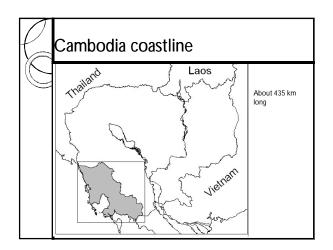
- 1. Country Profile
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Cambodia climate Tropical monsoon Min mean temperature 22°C Max mean temperature 28 °C Average rainfall from 1994-2004 varied from 1400mm to 1970 mm nd up to 3800mm in Coastal areas

Climate Related Hazards Affected People Death Casualty Events •17,732 hectare of rice destroyed •491 houses destroyed •317,975 houses damaged •7,068 houses were destroyed •2,251 houses destroyed •1,082 houses destroyed 37,527 Floods 1999 3,448,629 2000 - 347 deaths 2,121,952 62 deaths 2001 2002 1,439,964 - 29 deaths Drought 2002 2,017,340 · 43% hh in Cambodia drink unsafe water during dry season and 24% during rainy Malaria 2004 No data •Waterborne diseases • 60,000 malaria cases were reported 800 deaths per year, the figure can be up to 10 times higher 2005 Dengue fever 2006 - 122 death per • 7,655 case 4 hospital

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Institutional Organization

- Ratifies the UNFCC in 1995; into force 1996
- Acceded to the Kyoto Protocol 2002
- MoE is the National Focal Point for UNFCCC and Kyoto Protocal
- National Climate Change Committee (NCCC), which was established in 2006, served as policymaking body and measure to address CC issues within the country
- CCCO was established in 2003 to work all relevant govt. agencies, NGOs and the like. CCCO is the implement body, GHG mitigation and inventory, and climate change adaptation activities

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Issues and challenges raised by MoE

- Limited financial resources or funding for climate related activities
- Few climate change studies and experience within the country
- Lack of climate change research and/or training institution in the country
- Lack of data availability and reliability
- Relatively low technical of local staff
- Non-comprehensive national climate change policies and/or strategy
- · Lack of qualified national experts in the country
- Limited public awareness and education on climate change and
- Limited Technical, financial and institutional resources for adaption and mitigation

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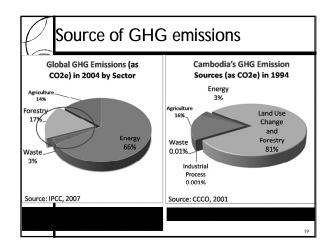
RUPP Climate Change Initiative

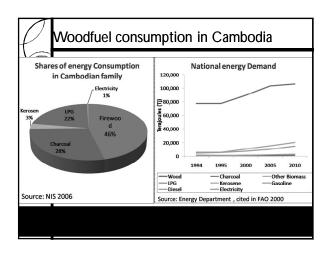
- Two researches were conducted by DES/RUPP
- One research is starting
- Curriculum on Climate Change is discussed
- More researches will be encouraged both Researchers/Lecturer and Students

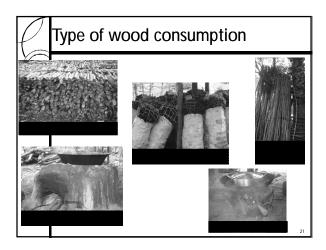
Wood fuel supply and demand, and carbon credit to avoid deforestation

Study Objective

- Assess wood fuel supply and demand whether consumption of wood fuel cause deforestation or not
- Estimate CO2 emissions from non-sustainable wood fuel consumption
- Estimate carbon credits to avoid deforestation







Opportunity cost of carbon credit About 4,596,896 dollars should be paid from 2010-2014 to keep forest stand. More study needed especially on demand increment. Policy maker or energy program developers should address woodfuel imbalance before promoting woodfuel as an alternative energy.

Study 2: Vulnerability of Climate Change in Coastal Zone Main Findings: Based on household survey, almost all respondents agreed that the salt-water is claiming more land Based on technical measurement, we found that concentration of salinity is increased substantially. 14 hectares is reported loss to saltwater

Study 3: Jatropha Curcas as Fuel wood Replacement?

Study related objectives

- CBA of Small Scale Jatropha curcas around the household fences
- Fossil Diesel replacement capacity
- Biofuel for Machinery or for Cooking?
- Policy implication to motivate the costs effectiveness options

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Conclusion

- More research will be done by RUPP researchers and students (1) Mitigation Option: Biofuel for Cooking as the replacement of fuel wood and (2) Adaption Option: New rice-seedling on salty soil or Rehabilitation Irrigation Systems.
- Integrate Climate Change Subject into current curriculum
- Provide training services to Government Institutions, NGOs
- Advocate through disseminate researcher results to a wide audience to adapt, mitigate and more to prevent climate hazard.

