SOCIAL & ENVIRONMENT SOUNDNESS
CHALLENGE OF REDD+ in Indonesia

Subarudi (rudi.subarudi@yahoo.co.id)
Forest Policy and Climate Change Center,
Bogor, Indonesia

Indonesian Figures

- Area 1,904,569 km²
- Population 237.6 million (2011)
- 18,000 island (6,000 inhabited) with 100,000 km coastline
- 33 provinces and 360 districts
- 300 ethnic group
- 737 living languages
- Dominated by Moslem (86.1%)
- GDP per capita 3,508 US$
- Forest 137.7 million ha (72%)
- Protection forest 31.76 million ha
- Conservation forest 23.57 million ha
- Production forest 59.60 million ha
- Conversion forest 22.79 million
INTRODUCTION

CLIMATE CHANGE IMPACT

SOCIAL

ENVIRONMENT

ECONOMY

REDD+ PROGRAM
INTRODUCTION

<table>
<thead>
<tr>
<th>REDD</th>
<th>EMISSION REDUCTION FROM DEFORESTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EMISSION REDUCTION FROM FOREST DEGRADATION</td>
</tr>
<tr>
<td>+</td>
<td>SUSTAINABLE FOREST MANAGEMENT</td>
</tr>
<tr>
<td></td>
<td>CONSERVATION</td>
</tr>
<tr>
<td></td>
<td>CARBON STOCK ENHANCEMENT</td>
</tr>
</tbody>
</table>

Environmental Risk and Impacts of Climate Change

- Since 1990, average temperature increases ±0.3 °C for all season
- Rain fall increases 2-3% in the short period (Prone to flooding)
- Long drought season
- Increasing of sea water level (flooding the productive coastal area for shrimp, fish, paddy and corn)
- Hotter sea water (threat to sea biodiversity and coral reef)
- Increasing of water based diseases (Malaria and Dengue)
Social Risk and Impacts of Climate Change

- Threat to livelihood (remain poor)
- More refugees (islands disappear)
- Limited access to natural resource
- Social conflict (water and food)
- Threat to human life (diseases)
- Threat to food security (starving)

Social and Environment Safeguards

- More aware on social and environmental issues
- More access to resource for local community
- Improving local capacity and institutional building
- Applying Free Prior and Informed Consent
- Consistent with law enforcement (PPP)
- From REDD+ to SFM+
- Applying PES (UPP) and CSR
THANK YOU