

# INDC session

## Discussion on INDC in Nepal

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The 20th AIM International Workshop

NIES, Tsukuba, Japan

January 23, 2015

## Features of Nepal's INDC

- Mitigation target
  - Year
  - Conditions
- Presently very low level of fossil fuel consumption and energy related GHG emission per capita; Mitigation target yet to be decided
- How is the target decided?
    - In the process
  - What is the public opinion to the target?
    - No public discussion so far

## Role of Integrated Assessment Model during the domestic discussion

How does the model contribute to decide the target?

- Some mitigation related studies ongoing
- IAM yet to be formally used

## Others

### Non-energy GHG emission

- About 70% of total emission from agriculture sector in 2010;
- => Main target for mitigation!
- Mitigation potential from Rice Straw off- season and Draining rice field: 32.6% (Yan et al., 2009)

### Energy related GHG emissions

- Energy related emission is presently low (18%)
- Fossil fuel use growing at the rate of 3.3% p.a. in the past; higher growth rate expected in future
- Energy related emissions is expected to grow faster

## Some Promising Mitigation Options and Low Cost Technologies

S.N.	Agriculture	Residential	Industrial	Transport
1	Adoption of: <ul style="list-style-type: none"> <li>• Reduced tillage practice</li> <li>• Efficient use of fertilizers</li> <li>• Soil aeration &amp; water management</li> </ul>	Energy Efficiency <ul style="list-style-type: none"> <li>• ICS</li> <li>• Electric Water Heating (ADB, 2012)</li> </ul>	Energy Efficiency <ul style="list-style-type: none"> <li>• Efficient Diesel Boiler (ADB, 2012)</li> </ul>	Modal Shift <ul style="list-style-type: none"> <li>• Shift from private to public vehicles</li> <li>• Shift to more efficient transport modes</li> </ul>
2	Draining continuously flooded fields (Yan et al., 2009)	<ul style="list-style-type: none"> <li>• Fuel Switching</li> <li>• Electric cooking</li> </ul>	Fuel Switching <ul style="list-style-type: none"> <li>• Biomass use in Industrial boiler, brick kilns</li> </ul>	Electrification of transport sector
3	Stopping application of rice straw off season (Yan et al., 2009)	Renewable Energy <ul style="list-style-type: none"> <li>• Biogas for cooking</li> </ul>		