





NAMAs in MRV Manner for Waste Sector in Vietnam and opportunities for JCM



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GHG emission by sector in Vietnam in 2005



Source: Capacity building for National GHG inventory in Vietnam project supported by JICA (2010-2014)

NAMAs in Waste Sector in Vietnam

- General information:
 - At COP17 in Doha, the MONRE, Vietnam, with other ministries, and the MOEJ generally agreed to launch capacity-building on NAMAs in a MRVable manner;
- Objectives:
 - To determine BAU and NAMAs scenarios in the Waste Sector in Vietnam.
 - To propose a domestic NAMAs guideline in MRV manner in waste sector.

Working Group



Municipal Solid Waste in Vietnam





Preliminary Results

- 1. Established an inter-ministerial WG, which may be a core group for national-level decision making (and policy-level MRV).
- 2. Identified <u>BAU and emission reduction potentials</u> (2012 to 2020) with a bottom-up approach to quantifying GHGs.
- 3. Identified useful <u>low carbon technologies</u> that can be introduced for NAMAs.
- 4. Identified NAMAs scenarios for Waste Sector in Vietnam.
- 5. Jointly held a side event at COP18 in 2012 and another side even at SB38 in 2013.

BAU Scenarios



Technologies For Waste Sector



NAMA Scenarios for Waste Sector in Vietnam



Total GHG emissions reduction (2013-2020): **48,788,238 tCO_{2e}**

Total GHG emissions reduction (2013-2020): . **31,434,874 tCO_{2e}**

2013 FY Activities



1. Collect information of technology option



2. Collect data & information for BAU and NAMA scenario in the waste sector



3. Improve **BAU and NAMA scenario** in the Waste sector



4. Organize Workshops

5. Drafting NAMA Implementation plan

Opportunities for Linking JCM Activities with NAMAs in Vietnam

- The Agreement of JCM was signed by Vietnamese and Japanese governments in July 2013;
- The ultimate goal of NAMAs and JCM is to reducing the GHG to mitigate climate change;
- JCM can be consider as an additional tool to support NAMAs at pilot stage and up scaling stage;
- JCM can take advantage of NAMAs by referring its designed scenarios, institution, technologies and strategies.



Remaining challenges to implement NAMA and JCM projects

- Both NAMAs and JCM concepts are relatively new in Vietnam (and international communities);
- Not yet popular for stakeholders;
- Lack of proper institution such as policy, strategies, institutional arrangement to support the implementation of NAMAs and JCM in VN
- Lack of capacity; Lack of human resources;
- Lack of finance, esp. for renewable energy projects such as wind power, solar power which require high investment and cost;
- Lack of awareness from communities on climate change mitigation actions;







Thank You Very Much !

どうもありがとうございました