Data, Survey and the Working of the Breakout Groups

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Presentation Structure

• What data for Baselines?
• What data from the Surveys?
• How the break-out groups work
What data for Baselines?

• When calculating baselines, need to choose a method:
  — Direct measurement
  — Calculation:

\[
GHG(Baseline) = \sum_{t=0}^{T} U \Delta D \sum_{M} \left( S_m \sum_{T} \left[ S_t C V \frac{1}{O} \frac{1}{L} \right] \right)
\]
What data for Baselines?

- Example - total versus rate based emissions:

\[ GHG(Baseline) = \frac{Emissions}{Unit\ of\ Activity} \times \text{Total Activity} \]
Survey : General Results

• Only limited responses (23 respondents) - patchy results.

• Aim of the Survey:
  – Help information build in sectors
  – What do people know that is available and where?
Survey: General Results

• Indicated Participation for Groups:
  – Energy Supply    17
  – Energy Demand    5
  – Heavy Industry   1
  – Transport        3
Survey: General Results

• Further sectors where baseline development important:
  – Heavy Industry 5
  – Forestry 5 (1 respondent ‘no’)
  – Agriculture 5 (1 respondent ‘no’)
  – Bio-energy 1
Survey: General Results

• Respondents perceived as priority areas for baseline development:
  – Energy supply    17
  – Energy demand    7
  – Heavy Industry   2
  – Transport        2
  – Bio-energy       1
Survey: Information on AIJ

- **AIJ/CDM/JI Office:**
  - Yes: 9 of 18 respondents from NAI and EITs

- **Host for AIJ Projects:**
  - Yes: 10 of 18

- **Most prominent sectors for AIJ activities:**
  - Energy Supply: 9 respondents
  - Energy Demand: 7 respondents
  - Heavy Industry: 1 respondent
Survey Data: Energy Supply

• No clear trend among respondents: energy intensity may increase or decrease.
• Data on installed capacity generally available, majority (10) respondents indicate that data collected by individual plants.
Survey Data: Energy Supply

• In NAI, Latin America has the largest number of plants of all sizes; in Africa highest proportion of small plants
• Two NAI indicated that off-grid energy was the main source of energy.
Survey Data: Energy Efficiency

• 14 respondents expect consumption to increase, only one to decrease.
• 15 responses indicate existence of energy efficiency programmes
• Data on energy consumption collected per end-use sector by 12 respondents, 3 did not know.
Survey Data: Heavy Industry

• Almost all NAI responses indicate increased capacities in all industries
• NAI indicated that plant sizes are ‘mainly large’, while in Annex II and in EITs there was a more even mix.
• Energy-level data not routinely collected per plant for all responding countries.
Survey Data: Transport

• Data available per mode of transport:
  – NAI  2 ‘Yes’, 2 ‘No’
  – EITs  4 ‘Yes’
  – AI  3 ‘Yes’

• Potential for JI/CDM in this sector:
  – ‘Yes’  9 respondents
  – ‘No’  2 respondents
Break Out Groups

• **Aim:**
  - Identify areas of agreement on assumptions/parameters used for calculation of baselines
  - Identify areas where further research needs to be done
Break Out Groups

• Try to find answers to the following questions:
  – What method(s) of calculation should be used?
  – What data should be used, how is it collected, and by which institution?
  – What are the right questions to ask?
Break-out Groups

- Energy Supply
- Energy Demand
- Heavy Industry
- Transport