Data, Survey and the Working of the Breakout Groups

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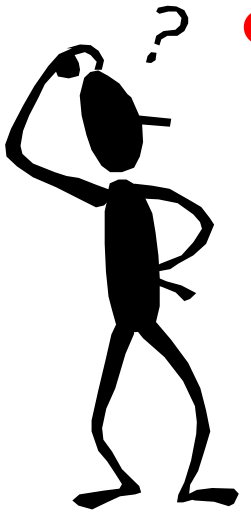
Presentation Structure

- 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:

$$GHG(Baseline) = \sum_{t=0}^{T} U * \Delta * D * \sum_{M} (S_m * \sum_{T} [S_t * C * V * 1/O * 1/L])$$

What data for Baselines?

- **Example - total versus rate based emissions:**

$$GHG(Baseline) = \frac{Emissions}{Unit\ of\ Activity} * Total\ Activity$$

Benchmark

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