

**DATA SURVEY FOR WORKSHOP ON  
BASELINE METHODOLOGIES FOR JI AND THE CDM**

This questionnaire is intended to complement the workshop background paper and will serve as an information basis for the baseline workshop. We encourage all the participants to fill in this questionnaire and to respond for their country of residence. In principle JI and CDM projects can be undertaken anywhere in the world, and we think lessons for baseline development should therefore benefit from all available data. As the questions are somewhat detailed, all participants may not be able to provide answers to all the questions. Please provide answers to as many questions as you can!

If you have access to more detailed data (e.g. on historical trends in technology and/or fuel used, projections, information on technology efficiency, capital stock turnover rates etc.), we would be very grateful if you could provide us with copies/references of this information.

**A. Background Information**

Name of Respondent: .....

Country: .....

**A.1** In which sectoral breakout group of the workshop do you intend to participate during the workshop?

Energy Supply ☐      Energy Demand ☐      Heavy Industry ☐      Transport ☐

**A.2** In which other sectors would you like to see baseline methodologies developed?

.....

**A.3** Which of the above mentioned sectors should receive priority in baseline development, and why?

.....

**A.4** Does your country have a JI / AIJ / CDM office? ☐ Yes ☐ No

...if yes....

Please give the name and the full address of the contact person in charge of the office:

.....

.....

.....

**A.5** Is your country host of AIJ projects? ☐ Yes ☐ No

...if yes....

**A.31** In which sector have the projects been undertaken, and how many?

Energy Supply ..... Energy Demand ..... Heavy Industry ..... Transport ..... Other.....

**A.33** Indicate which number of AIJ projects have reached what status of implementation:

Project Development ..... Project Implementation ..... Project Completion .....

## B. Energy Supply

**B.1** What was the total electric capacity installed in your country in 1998<sup>1</sup>?

Type of energy	Total MW installed (1998)	% of capacity installed (1998)	Mainly used for base load (BL) or for peak load (PL) (1998)	Capacity increasing (+), decreasing (-) or constant (0) in the next ten years
Coal-fired				
Gas-fired				
Oil-fired				
Nuclear				
Hydro				
Biomass				
Other Renewables				
Other (specify)				
<b>Total</b>				

**B.2** Are data in your country collected by individual power plant?

☐ Yes

☐ No

☐ Don't know

-- If yes,

☐ indicate (yes/no) which type of plant-level data is collected.:

Starting Date		Capacity size		Power production	
Location		Dates & types of retrofits		Fuel used/source	
Load factor		Other:			

☐ indicate which institution or agency is charged with this data collection:

**B.3** Are there any plans in your country to expand the electricity grid within the next ten years?

☐ Yes

☐ No

☐ Don't know

-- If yes,

Can you provide more detailed information (e.g. how much, where, when, agency/institution that would have such information?)

<sup>1</sup> If you provide data for a year other than 1998, please make a note of the year.

**B.4** How common is the use of off-grid energy in your country (please give an approximate proportion, if possible)?

Main source of energy for the population ☐, .....

Minor source of energy for the population ☐, .....

Negligible ☐

**B.5** What types of off-grid energy (both stand-alone and mini-grid) are used in your country? Rank the energy sources by numbering them with (1-5), with 1 indicating highest usage.

Types of energy sources	Tick if they are being used	Rank by how much they are being used (1-5)
Renewable energy (solar, wind, mini-hydro)	<input type="checkbox"/>	
Kerosene, diesel	<input type="checkbox"/>	
Bottled Gas (such as LPG)	<input type="checkbox"/>	
Charcoal	<input type="checkbox"/>	
Biomass (fuel wood, crop residues, biogas, animal dung)	<input type="checkbox"/>	

**B.6** Do you think that there are (further) potential CDM or JI projects in your country in this sector?

☐ Yes, large potential

☐ Yes, medium potential

☐ Yes, small potential

☐ No potential

☐ Don't know

-- If yes, specify the type(s) and indicate likely potential size if possible:

.....

### C. Energy Demand

**C.1** What was the level of total final energy consumption in your country in 1998<sup>1</sup>? .....

-- of which ....% coal ....% gas ....% oil ....% biomass .....% electricity .....% renewable sources  
.....% other

Indicate whether you think consumption of these fuels will be increasing (+), decreasing (-) or remain constant (0) in the next ten years:

( ) in total; ( ) coal; ( ) gas; ( ) oil; ( ) biomass; ( ) renewable sources; ( ) other.

**C.2** Are there any projects, including AIJ projects, in your country, which are targeted at increasing energy efficiency in the residential and commercial sector of your country?

☐ Yes

☐ No

☐ Don't know

-- if yes, who is the target group (e.g. households) and what types of measures are envisaged (e.g. efficient lighting, ESCOs)?

.....  
.....  
.....

**C.3** Are data being collected on the energy consumption by end-use sectors (i.e. industrial, residential and commercial):

☐ Yes

☐ No

☐ Don't know

-- If yes:

- ☐ Are data being collected on the energy consumption by end-use within each end-use sector (e.g. lighting, heating, refrigerating, motors):  
☐ Yes ☐ No ☐ Don't know

- ☐ Is there an institution/agency that collects such data ?  
☐ Yes ☐ No ☐ Don't know

-- If yes, what is the name and what are the contact details of this institution:

.....  
 .....  
 .....

- C.4** Do you think that there are (further) potential CDM or JI projects in your country in this sector?  
☐ Yes ☐ No

-- If yes, specify the type(s) and provide your assessment of likely CDM/JI potential (small, medium, large): .....

#### **D. Heavy Industry**

**D.1** Do you have the following industries in your country? Please indicate

Chemicals ☐ Iron and Steel ☐ Aluminium ☐ Cement ☐ Paper and Pulp ☐ Food Processing ☐

Indicate whether you think the capacity in these sectors of industry will be expanding (+), declining (-) or remain constant (0) in the next ten years:

( ) in total; ( ) Chemicals ( ) Iron and Steel; ( ) Aluminium; ( ) Cement; ( ) Paper and Pulp; ( ) Food Processing; ( ) Other.

**D.2** What is the yearly energy demand of these sector(s) (1998)<sup>1</sup>.

( ) in total; ( ) Chemicals ( ) Iron and Steel; ( ) Aluminium; ( ) Cement; ( ) Paper and Pulp; ( ) Other

**D.3** How homogenous are plants among these industries within your country? Put a cross X where you see it best fit, and any other industry in the bottom line that may be important in your country.

Sector	Mainly large plants	Mainly small plants	Evenly mixed in size	Mainly nationally owned	Mainly internat. owned	Evenly mixed
Chemicals						
Iron and Steel						
Aluminium						
Cement						
Paper and Pulp						

**D.4** Does a certain type of industry - including those mentioned above - dominate total industrial energy use in your country? ☐ Yes ☐ No

-- if yes, please specify which type of industry : .....

**D.5** Does a certain type of technology dominate new industry additions in this sector?

.....  
 .....

**Are data being collected by industry plant?**

**If yes, indicate with "X":**

<b>Energy use:</b>		<b>Technology:</b>		<b>Input:</b>	
<b>Retrofits:</b>		<b>Other:</b>			

**Is there an institution/agency that collects industrial data:**

**Yes (please specify):**

**No**

**Don't know**

**D.6** Do you think that there are (further) potential CDM or JI projects in your country in this sector?

☐ Yes ☐ No

-- If yes, specify the type(s) and provide your assessment of likely CDM/JI potential (small, medium, large):.....

### **E. Transport**

**E.1** Please rank the following modes of passenger transport in your country in order of importance?

By foot, horse, bicycle ☐ Cars ☐ Bus/minibus/lorry ☐ Rail ☐ Ship and Aeroplane ☐

**E.2** Please rank the following modes for freight transport in your country in order of importance?

By foot, horse, bicycle ☐ Cars ☐ Lorry ☐ Rail ☐ Ship and Aeroplane ☐

**E.3** Are all parts of your country, including remote areas, well connected by the following transport networks? Please put a 'X' if you think they are well connected:

Road network ☐ Rail network ☐ Waterways ☐ Domestic Aviation ☐

**E.4.a** Indicate whether you think that the following modes of passenger transport will be expanding (+), declining (-) or remain constant (0) in the next ten years:

Total transport ( ) Road ( ) Rail ( ) Waterways ( ) Domestic Aviation ( )

**E.4.b** Indicate whether you think that the following modes of freight transport will be expanding (+), declining (-) or remain constant (0) in the next ten years:

Total transport ( ) Road ( ) Rail ( ) Waterways ( ) Domestic aviation ( )

**E.5** Do you have data on passenger and freight transport per mode of transport?

☐ Yes ☐ No ☐ Don't know

-- if yes, please indicate the person-km for passenger transport, and the ton-km for freight transport according to mode of transport for 1998. If 1998 data are not available, but you have this information for another year, please fill in the following table, noting the data year:

	Air	Rail	Ship	Buses	Cars	Lorries
Passengers in person-km						
Freight in ton-km						

Year of data: \_\_\_\_

## E.6 On road transport

**E.6.1** How old is the average car in your country?

.....years

I don't know ☐

(Cross here, if the number you give is a personal guess rather than an official estimate ☐)

**E.6.2** For how many years do people drive their private cars on average

.....years

I don't know ☐

(Cross here, if the number you give is a personal guess rather than an official estimate ☐)

**E.6.3** What is the average fuel economy (litres of fuel used per 100 km travelled) of the following types of on-road vehicles in your country?

Car:\_\_\_\_Bus: Lorry: Scooter:

(Cross here if the numbers you give are personal guesses rather than official estimates\_\_\_\_)

**E.6.4** What is the average occupancy (in number of passengers) of the following types on on-road vehicles in your country?

Car:\_\_\_\_Bus:\_\_\_\_Scooter:\_\_\_\_

**E.6.5** How is the quality of your roads?

Mainly unpaved roads ☐

Mainly tarred roads ☐

**E.7** If you know of any large road or train construction project in your country, please expand here (e.g. when it is being built, length of the route):

.....

**Is there an institution/agency that collects transport data?**

**Yes (please specify):**\_\_\_\_

**No:**

**Don't know:**

**E.8** Do you think that there are (further) potential CDM or JI projects in your country in this sector?

☐ Yes

☐ No

-- If yes, specify the type(s) and provide your assessment of likely CDM/JI potential (small, medium, large):.....

Do you have any other comments regarding this questionnaire?

.....  
 .....

THANK YOU VERY MUCH FOR FILLING IN THIS QUESTIONNAIRE! Please return it by 26 April to Lwazikazi Tyani, UNEP Collaborating Centre, lwazikazi.tyani@risoe.dk OR fax - (+45) 46 32 19 99.