

## **APPENDIX 2**

# **GLOBAL GHG EMISSION SCENARIO QUESTIONNAIRE**

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29 November 1993

The 1st page of 3 pages

TO :

COPY

FROM : Tsuneyuki Morita, Dr. Eng.  
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RE : A request to support IPCC Working Group III Assessment

Dear Prof. Yuzuru Matsuoka,

I am writing to you as a lead author of the IPCC Working Group III Report Writing Team (Team 10: Emission Scenarios), to seek your urgent help for the review we are currently conducting of global Greenhouse Gas emission scenarios.

This procedure will review and assess all the research outcomes of Greenhouse Gas emission scenarios at the global level, with the objective of making recommendations to INC. As part of this review, we would like to collect the latest basic data on the models used to create future scenarios of greenhouse gas emissions.

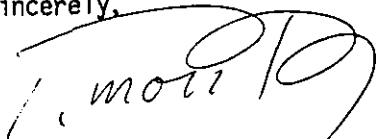
Enclosed is fairly simple questionnaire that will provide us with such information. I would be very grateful if you could fill it in as it relates to the latest outcomes of your emission scenario work. If you submit your response by the deadline, your model and outcomes will appear in discussion and be listed in the references.

Unfortunately, because of the extremely tight deadline for drafting the sub-chapters (20 December '93), I am asking that, if possible, you return your completed questionnaire to me by 10 December. Please fax it to me at the above number. I am sure that you are very busy with your own research, and this request only adds to your workload, but because of the urgency of the work and the simplicity of the questionnaire, I hope that you can find your way to return it to me by that time.

I look forward to receiving your response and continuing to work with you on this vital issue. Once again, I apologize for the extremely short-notice of my request, and ask for your understanding and cooperation.

Thanking you in advance.

Yours sincerely,



Tsuneyuki Morita

PLEASE FAX THIS TO T. MORITA AT (81) -298-58-2645

IPCC WORKING GROUP III (Writing Team 10): GLOBAL GHG EMISSION SCENARIO QUESTIONNAIRE

- November 1993.

Please answer the following questions about your GHG emission model and the latest outcomes of your emission scenario work only at the global level and for the Business as Usual case. Please do not complete those sections that are not relevant to your work. If it is difficult to make global estimates, please attach regional figures. If necessary, also provide copies of any other material that you think might be of use.

MODEL NAME: \_\_\_\_\_

AUTHOR/DEVELOPER NAME(S): \_\_\_\_\_

LATEST REFERENCE: \_\_\_\_\_

MODEL TYPE: Please tick the appropriate box or boxes.

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> bottom-up type | <input type="checkbox"/> Partial Equilibrium (e.g. Edmonds-Reilly)         | <input type="checkbox"/> modelling energy sector             |
| <input type="checkbox"/> top-down type  | <input type="checkbox"/> Linked Equilibrium (e.g. Global 2100, CRTM, CETA) | <input type="checkbox"/> modelling technology selection      |
|   | <input type="checkbox"/> General Equilibrium (e.g. GREEN, Whalley-Wigle)   | <input type="checkbox"/> modelling technological development |
|   | <input type="checkbox"/> Growth/Optimising (e.g. Nordhaus)                 | <input type="checkbox"/> modelling international trade       |
|   | <input type="checkbox"/> Macroeconomic/Econometric (e.g. IEA, G-CUBED)     | <input type="checkbox"/> modelling land use/agriculture      |
|   | <input type="checkbox"/> System Dynamics (e.g. World 3)                    | <input type="checkbox"/> link to climate change/impact model |

Other characteristics \_\_\_\_\_

FORECAST PERIOD: \_\_\_\_\_

INPUT ASSUMPTIONS: **\*\*GLOBAL FIGURES ONLY FOR THE BUSINESS AS USUAL SCENARIO\*\***

1) POPULATION:

Exogenous ? : ☐ Yes ☐ No

Number		and/or		Growth Rate
YEAR	BILLIONS	YEAR TO YEAR		%
19__		19__ -		
.		.		
.		.		
.		.		
.		.		
.		.		

2) ECONOMIC GROWTH:

Exogenous ? : ☐ Yes ☐ No

Value		and/or		Growth Rate
YEAR	BILLIONS US\$	YEAR TO YEAR		%
19__		19__ -		
.		.		
.		.		
.		.		
.		.		
.		.		

Index (e.g. GNP, Consumption): \_\_\_\_\_

Reference year for \$ value: \_\_\_\_\_

3) TECHNOLOGY:

AEEI: \_\_\_\_\_ % per annum  
(Autonomous Energy Efficient Improvement)

Do you assume "Back-stop Technologies ? : ☐ Yes ☐ No

Other main assumptions \_\_\_\_\_

4) ENERGY PRICE: Exogenous ? : ☐ Yes ☐ No

Major assumptions \_\_\_\_\_

5) ENERGY RESERVES: Are supply elasticities related to future price ? : ☐ Yes ☐ No

Major assumptions \_\_\_\_\_

6) DEFORESTATION/AFFORESTATION:

7) OTHER ASSUMPTIONS: (that you think are important)

OUTPUT RESULTS: **\*\*GLOBAL FIGURES ONLY FOR THE BUSINESS AS USUAL SCENARIO\*\***

year	CO2 EMISSIONS FROM FOSSIL FUEL CONSUMPTION: (billion tonnes C)	ANTHROPOGENIC CO2 EMISSIONS incl. land-use changes; cement production (billion tonnes C)	ANTHROPOGENIC CH4 EMISSIONS ( million tonnes CH4 )	ANTHROPOGENIC N2O EMISSIONS ( million tonnes N2O )	ANTHROPOGENIC CFC11 EQUIVALENT EMISSIONS ( million tonnes CFC11 )
19____					
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OTHER SPECIAL CHARACTERISTICS: (that make your model unique, or provide outcomes defferent from other models)

SUBMITTED BY: \_\_\_\_\_ FAX No. \_\_\_\_\_ DATE: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

END OF QUESTIONNAIRE. THANK YOU FOR YOUR ASSISTANCE.