

QUESTIONNAIRE ON DATA SETS AND MODELS, WHICH COULD BE USED IN MODEL TESTING BY THE EMRAS IODINE WORKING GROUP

Questionnaire completed by (full name):	
Organization/Institute contact details (in full):	

1. What kind of the environmental dosimetry model is available to perform validation tasks?			
a) Method of calculation:	Time dependent <input type="checkbox"/>	Equilibrium transfer factors <input type="checkbox"/>	
b) Starting point:	Source term <input type="checkbox"/>	Air concentration <input type="checkbox"/>	Deposition <input type="checkbox"/>
c) possible end points of calculation:	Air concentration <input type="checkbox"/>	Deposition (dry and wet) <input type="checkbox"/>	
	Terrestrial foodchain <input type="checkbox"/>	Radioiodine intake <input type="checkbox"/>	
	Thyroid burdens <input type="checkbox"/>	Thyroid dose <input type="checkbox"/>	
d) Other model features:	Thyroid blocking by stable iodine <input type="checkbox"/>	Different age groups <input type="checkbox"/>	
e) Uncertainty estimation	Monte Carlo <input type="checkbox"/>	Error propagation/judgement <input type="checkbox"/>	
Other model characteristics (please specify):			
2. What was the source of radioiodine in your proposed data sets?			
Chernobyl release <input type="checkbox"/>	Other release <input type="checkbox"/>	Contaminated medium <input type="checkbox"/>	
Other (please specify):			
3. What was the nature of the release/exposure?			
Continuous <input type="checkbox"/>	Duration <input style="width: 50px;" type="text"/>	Short-term <input type="checkbox"/>	Duration <input style="width: 50px;" type="text"/>
4. For what environmental/biological compartments are radioiodine concentrations available?			
Air <input type="checkbox"/>	Vegetation <input type="checkbox"/>	Animals thyroids <input type="checkbox"/>	
Precipitation <input type="checkbox"/>	Animal feed <input type="checkbox"/>	Human thyroid (age group?) <input type="checkbox"/>	
Soil <input type="checkbox"/>	Animals' product (cow milk, sheep milk) <input type="checkbox"/>	Water <input type="checkbox"/>	
Other (please specify):			
5. Were the measurements made in the field or in a controlled environment (e.g. laboratory, exposure chamber, etc.)?			
Field <input type="checkbox"/>	Controlled <input type="checkbox"/>		

6.	What meteorological parameters (temperature, humidity, solar radiation, precipitation, stability, wind speed etc.) were measured during the study?		
7.	If your data were used for model testing, what would the endpoints of the scenario be?		
8.	Are the uncertainties in the data known?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
9.	Are the data readily available, unrestricted and in a nearly useable form?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
10.	If the answer to the above question is “no”, how much time would it take to develop a scenario? Would you need help?		
	Duration of scenario development <input type="text"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
11.	Please list other information about this data set that is relevant to its use for model testing.		

Please return the completed questionnaire to:

Mr T Cabianca
 (Scientific Secretary of EMRAS Iodine Working Group)

preferably by e-mail to:

T.Cabianca@iaea.org

or by mail or fax to:

Division of Radiation and Waste Safety
 International Atomic Energy Agency
 Wagramerstrasse 5
 P.O. Box 100
 A-1400 Vienna
 Austria
 Tel. +43 1 2600 22679
 Fax: +43 1 26007