



# **GENERAL PROGRESS AND STATUS OF THE PROJECT**

**Contract ENER/2010/NUCL/SI2.581237**

**Study on European Population Doses  
from Medical Exposure (**Dose Datamed 2**)**

Training course, Sofia  
19.5.2011  
Ritva Bly



## BACKGROUND 1/2

- The guidance developed under the **DOSE DATAMED1** project, together with best available survey data from these **ten countries** around the year 2002, is published by the European Commission as *Radiation Protection 154. European Guidance on Estimating Population Dose from Medical X-ray Procedures* (RP154).
- Dose Datamed 1 started in the end of 2004.
- RP 154 was published 2008.



## BACKGROUND 2/2

- Rapid **technological development** during the last decade and the need for updated comparable data about the doses from medical exposure procedures, in x-ray diagnostics, interventional radiology and nuclear medicine (NM), in the European Union Member States.
- The availability of population dose data **will facilitate the implementation of radiation protection requirements** in the EU Member States as well as the **future decision-making on these matters on national and EU level.**



## OBJECTIVES

- The objective of the contract is to collect available data on the doses from radiodiagnostic procedures in the European Union and to facilitate the further implementation of **Radiation Protection 154**.
- To achieve the above objectives, the study aims at
  1. Providing advice and collecting feedback from the application of the guidance RP 154;
  2. Providing estimates of population doses in EU Member States and the population dose in European Union as a whole;
  3. Providing a database for population dose information which will enable continuous collection and follow-up of European population doses.



## DURATION OF THE PROJECT

- **Project started 28<sup>th</sup> December 2010**
- Final report until 27<sup>th</sup> December 2012
- **Project will end 27<sup>th</sup> March 2013**

Coordinator  
STUK (WP1)  
Ritva Bly

Provide  
link to  
world-  
wide  
surveys

Observer  
WHO/  
UNSCEAR

Public Res. Centre  
Henri Tudor (WP2)  
Andreas Jahnen

NRPA (WP3)  
Hilde Olerud

NCRRP (WP4)  
Jenia Vassileva

STUK (WP5)  
Hannu Järvinen

GAEC (WP6)  
Stavroula Vogiatzi

Give  
support

Panel of  
Scientific  
Experts

Provide data

Give support

Give  
support

National contact persons

# PROJECT MEETINGS



No	Month	Date	Place	Participants	Objectives
1	1	18.1.2011	Luxembourg	<i>Kick-off meeting</i> Partners EC officials	To start the project To plan the survey (WP2). To decide on the first announcement for the Workshop.
2	6	17.-20.5.2011	Sofia	Partners EC officials Panel members (1.PM)	Discussion and conclusions on the general survey (WP2) Planning of the detailed surveys (WP3 and WP4). Connected with a training course.
3	10	16.9.2011	Video conference	Partners EC officials	Interim discussion and analysis of the progress in WP3 and WP4. Planning the second announcement and Call for papers for the Workshop.
4	16	14.-15.3.2012	Helsinki	Partners EC officials Panel members (2.PM)	Analysis of the results of WP3, WP4 and WP5. Preparations of conclusions and recommendations. Detailed planning of the Workshop.
5	18	24.-26.4.2012	Athens	<i>European Workshop</i> Partners EC officials Panel members (3.PM)	Presentation of the results. Collection of feedback.
6	24	19.12.2012	Luxembourg	Partners EC officials	Final discussion on the results of the project and the feedback from the Workshop. Preparation of final Report to the Commission and the modifications of RP154.





# Dose data

Country	Xray		NM	
	National?	Date in years	National?	Date in years
Albania	0	0	0	0
Austria	National	2000	National	2008
Belgium	0	0	0	0
Bosnia and Herzegovina	0	0	0	0
Bulgaria	National	2008	National	2007-2008
Croatia	0	0	0	0
Czech Republic	0	0	0	0
Denmark	National	1998, 2008	National	2006, 2008, 2009
Estonia	National	Patient doses have been studied at random since 1999.	0	0
Finland	National	2008	National	2009
FRANCE	National	2002 and 2007	National	2002 and 2007
Germany	National	1996-2008	National	1996-2008
GREECE	National	2005	National	2009
Hungary	0	0	0	0
Iceland	National	1996, 2008	0	0
Ireland	National	2006, 2009	0	0
Italy	Regional	0	Regional	0
LATVIA	National	0	National	0
LITHUANIA	National	2009	0	0
Luxembourg	0	0	0	0
Macedonia	Regional	2007, 2009, 2010 (Mammography & CT)	0	0
Malta	Regional	2 years	0	0
Netherlands	National	most years since 1991	National	most years since 1991
Norway	National	2008	National	2008
Poland	0	0	0	0
Portugal	0	0	0	0
Republic of Belarus	National	yearly	National	2010
Republic of Cyprus	0	0	0	0
Republic of Moldova	0	0	0	0
Romania	National	2000, 2005, 2009, 2010	National	2000, 2005, 2009, 2010
Serbia	National	2005-2010	0	0
Slovakia	0	0	0	0
Slovenia	0	0	0	0
SPAIN	0	0	0	0
Sweden	National	1999, 2005, 2008	National	every year
Switzerland	National	Last surveys: 1998, 2003, 2008	National	Last survey: 2004, 2010
TURKEY	0	0	0	0
Ukraine	National	1994	National	1990
United Kingdom	National	2008	National	2003/04



## NEXT STEP

- Analysis of the data from the first survey
- Supporting countries by carrying out a practical training course
- Running the 2<sup>nd</sup> survey – open from 1<sup>st</sup> July
- Establishing the data base



## TASKS OF THE FIVE TEST COUNTRIES

- Test countries: Croatia, Italy, Poland, Slovenia, Spain.
- A limited collection of original data on national or regional level, following the RP 154 guidelines, will be organized.
- The frequency data will be collected or estimated by samples.
- A simplified collection of population dose data will be carried out.



## SUPPORT TO THE TEST COUNTRIES

- Nominating from among the Consortium partners and the Panel of Scientific Experts 1-2 experts or advisors for each of the test countries, in order to give practical support and advice
  - on organizing the national survey for population dose estimation and
  - on the analysis and reporting of the results.
- A draft of a work plan will be collaborated.
- The practical support and advice will be given mainly by correspondence and phone conversations.



## **SUPPORT TO THE OTHER COUNTRIES**

- The training course on 19-20 May 2011 in Sofia.
- Contacts to the members of the consortium and scientific experts are available using the web page:

**[www.ddmed.eu](http://www.ddmed.eu)**