



EUROPEAN POPULATION DOSE FROM RADIODIAGNOSTIC PROCEDURES – EARLY RESULTS OF DOSE DATAMED 2

NSFS, Reykjavik
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BACKGROUND 1/2

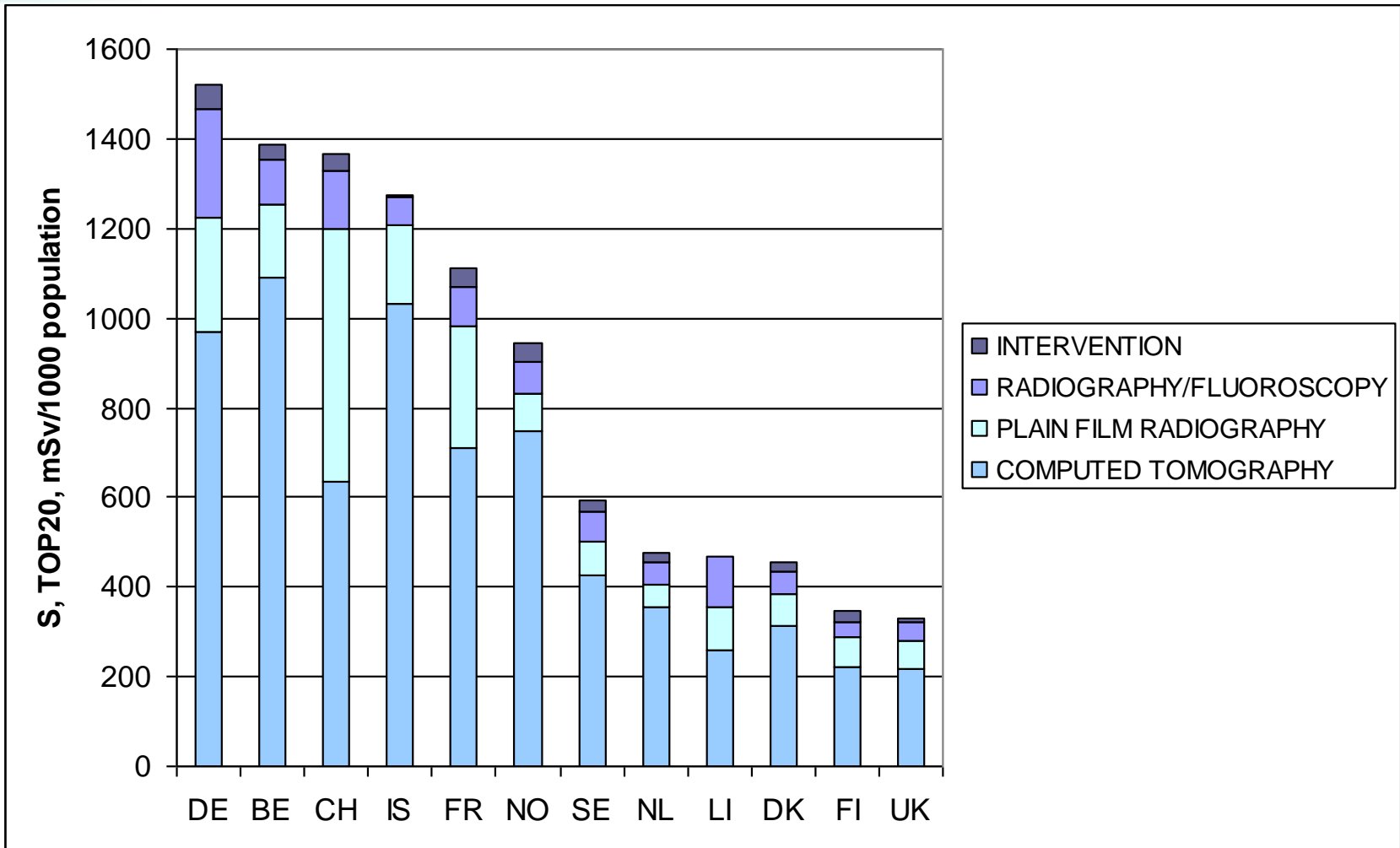
- The guidance developed under the **DOSE DATAMED1** project, together with best available survey data from these **ten countries** around the year 2002, is published by the European Commission as *Radiation Protection 154. European Guidance on Estimating Population Dose from Medical X-ray Procedures (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.**

Collective effective dose from “TOP20” examinations of 12 European countries in



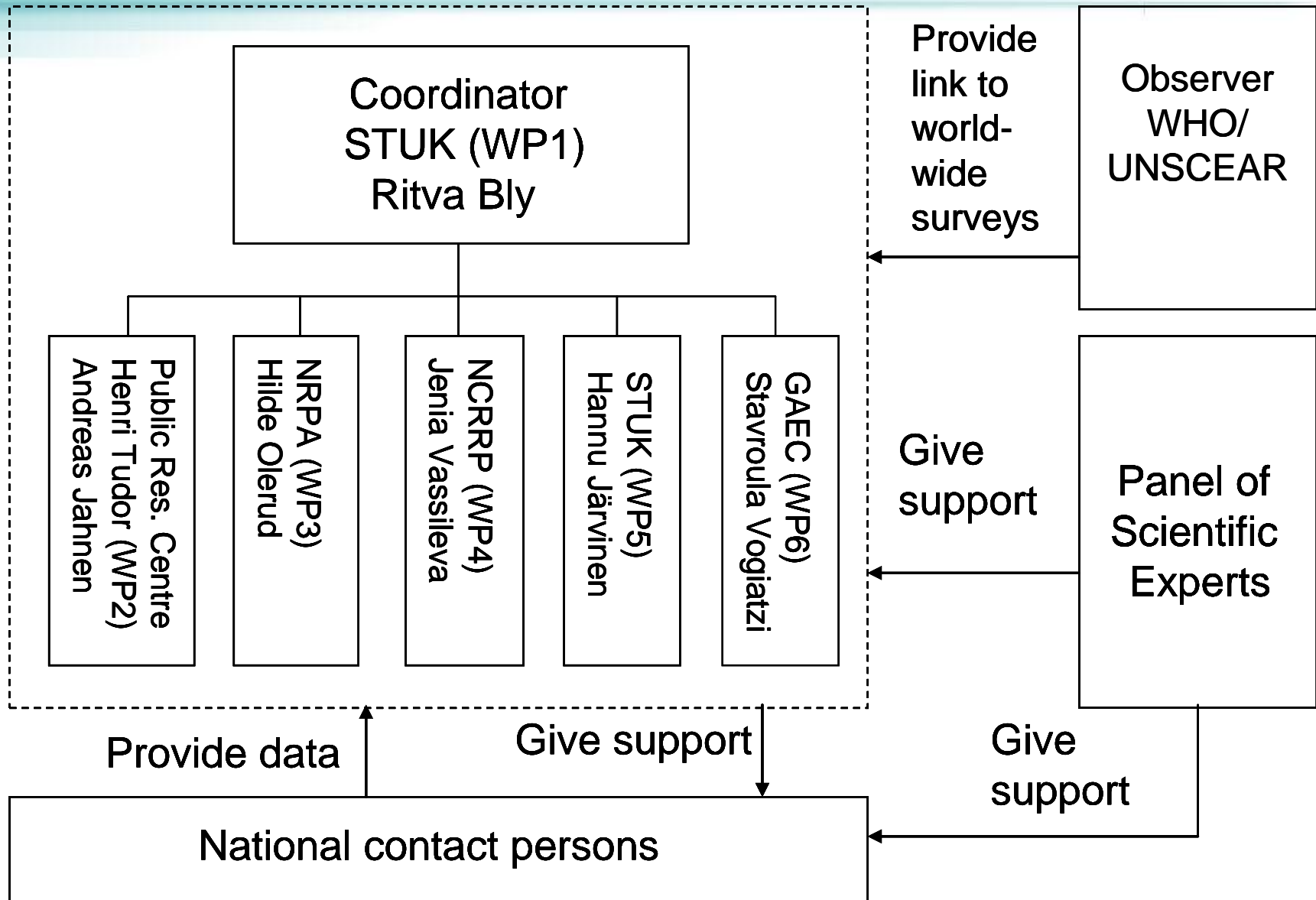
Aroua A. et.al. Collective doses from medical exposures: an intercomparison of the “TOP20” radiological examinations based on EC guidelines RP 154; European IRPA 2010, Helsinki



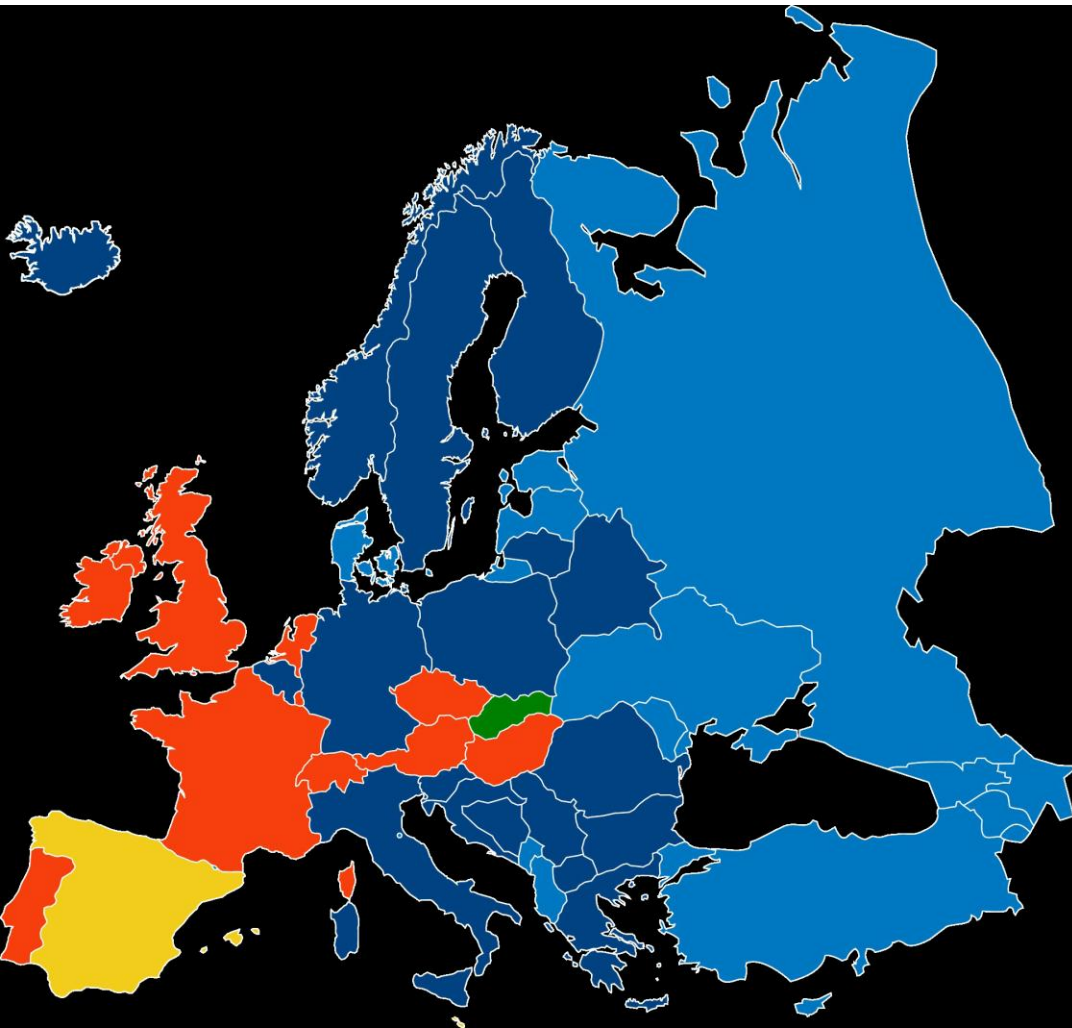
DURATION OF THE DDM2

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

ORGANIZATION



RESULTS: REGULATORY REQUIREMENTS IN EUROPE TO COLLECT FREQUENCIES OF RADIODIAGNOSTIC PROCEDURES



- Regulations exist (22)
- Recommendations or established systems exist (10)
- No regulations no recommendations no established systems (2)
- Regulations or recommendations are being prepared (1)

	Top 20		Top 70		Top 225		>225	
Country	Frequency	Dose	Frequency	Dose	Frequency	Dose	Frequency	Dose
Austria	Yes	Yes	Partially	Partially	No	No	No	No
Belgium	Yes	Yes	Partially	Yes	Partially	Yes	Partially	Partially
Bulgaria	Yes	Yes	Partially	Partially	No	No	No	No
Croatia	Yes	No	Yes	No	Partially	No	No	No
Czech Republic	Yes	Yes	Partially	Partially	Partially	Partially	No	No
Denmark	Yes	Yes	Yes	Partially	Yes	No	No	No
Estonia	Yes	No	Partially	No	No	No	No	No
Finland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
France	Yes	Yes	Yes	Yes	Partially	Partially	No	No
Germany	Yes	Yes	Partially	Partially	No	No	No	No
Greece	Partially	Partially	Partially	Partially	No	No	No	No
Hungary	Partially	Partially	No	No	No	No	No	No
Iceland	Yes	Yes	Yes	Yes	Partially	Partially	Partially	Partially
Ireland	Partially	Partially	Partially	Partially	No	No	No	No
Italy	Partially	Partially	No	No	No	No	No	No
Latvia	Partially	Partially	Partially	Partially	Partially	Partially	Partially	Partially
Lithuania	Yes	Yes	No	No	No	No	No	No
Luxembourg	Yes	No	Yes	No	No	No	No	No
Macedonia	Yes	Yes	Partially	Yes	No	No	No	No
Malta	Yes	Yes	Yes	Yes	Yes	Partially	Yes	Partially
Montenegro	Yes	Yes	No	No	No	No	No	No
Netherlands	Partially	Yes	Partially	Partially	Partially	Partially	Partially	Partially
Norway	Yes	Yes	Yes	Partially	Yes	No	No	No
Poland	Partially	Partially	Partially	Partially	No	No	Partially	Partially
Portugal	Partially	No	No	No	No	No	No	No
Rep. of Belarus	Yes	Yes	Partially	Partially	Partially	Partially	No	No
Rep. of Cyprus	Yes	Yes	Partially	Partially	Partially	Partially	No	No
Romania	Yes	Yes	Partially	Partially	No	No	No	No
Serbia	Yes	Yes	No	No	No	No	No	No
Slovakia	Yes	Yes	Partially	Partially	Partially	Partially	Partially	Partially
Slovenia	Partially	Yes	No	No	No	No	No	No
Spain	Partially	Partially	Partially	Partially	Partially	Partially	Partially	Partially
Sweden	Yes	Yes	No	No	No	No	No	No
Switzerland	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ukraine	Partially	Partially	Partially	Partially	No	No	No	No
United Kingdom	Yes	Yes	Yes	Yes	Yes	Yes	No	No

Data available from 37 European countries out of 41 requested



SUPPORT TO THE 5 TEST COUNTRIES: Croatia, Italy, Poland, Slovenia and Spain

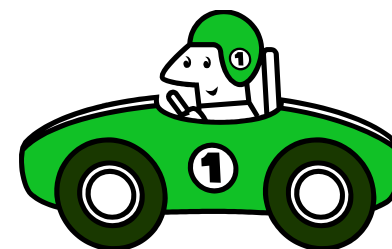
- Nominating from among the Consortium partners and the Panel of Scientific Experts 1-2 experts or advisors for each of the test countries, in order to give practical support and advice
 - on organizing the national survey for population dose estimation and
 - on the analysis and reporting of the results.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



DATA COLLECTION

- Excel sheets separately for x-ray and NM examinations
- General information by web based survey
- DL for readily available data 31 August 2011
- DL 30 November 2011

By now 19 countries have almost finished to fill in the data!



Scientific Committee

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Key dates and deadlines

Deadline for submission of abstracts:
January 15, 2012

Notification of acceptance to authors:
February 2012

Workshop:
24-26 April 2012

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Dose Datamed 2 partners



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Norwegian Radiation Protection Authority



Project website: <http://ddmed.eu>



DDM2

Workshop on European Population Doses from Medical Exposures
24-26 April 2012
Athens, Greece



Organized by
the Greek Atomic Energy Commission



funded by
the European Commission



MORE INFORMATION AVAILABLE

www.ddmed.eu

Thank you!