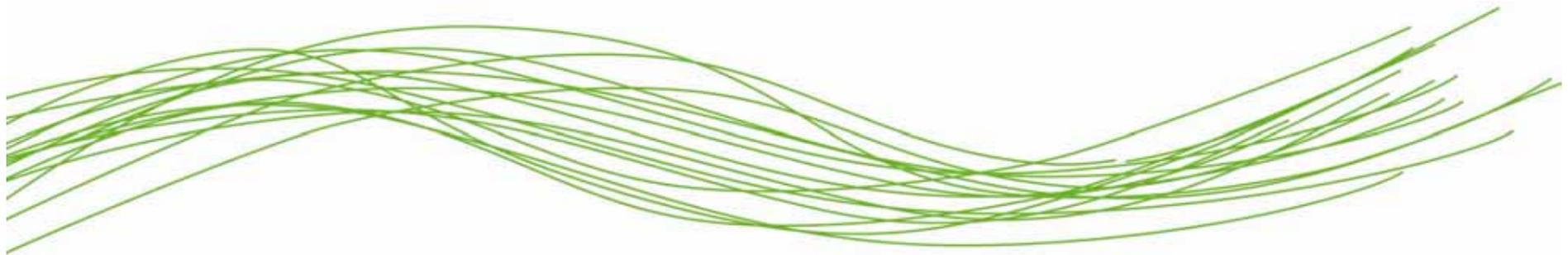




EURATOM Research and R&D Stakeholder Cooperation



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ERA and the EU & Euratom FPs

- **'European Research Area' – a single market for research in Europe – has been the clear objective of FP6 and 7**
 - ▶ Requires good coordination
 - ◆ ... of EU and national research
 - ◆ ... involving all R&D stakeholders
 - ◆ ... between public and private sectors
 - ▶ Enables critical mass to be reached in more areas by
 - ◆ reducing fragmentation
 - ◆ avoiding wasteful duplication
 - ◆ spending resources more wisely
- **FP8 will be the key EU instrument to build on this solid base and deliver the research and innovation objectives of the Europe 2020 Strategy**

'Technical Forums'

- **Technology Platforms play a key role in creating the ERA**
 - ▶ Some 40 such R&D stakeholder-led initiatives, 2 in nuclear field:
 - ◆ The Sustainable Nuclear Energy Technology Platform
 - ◆ Implementing Geological Disposal Technology Platform
 - ▶ All bring stakeholders together around a common vision and an agreed strategic research agenda / deployment strategy driven largely by end users, enabling effective pooling of resources.
- **MELODI shows that EURATOM is not only concerned with nuclear technology**
 - ▶ Low dose research is important for industry and citizens alike
 - ◆ to refine and update radiation safety standards
 - ◆ to enable a stakeholder dialogue that helps inform EU citizens regarding nuclear / radiation risks based on solid scientific evidence
 - ◆ to better take into account radiation protection in developing medical applications of ionising radiation

Euratom FP contribution

◆ Main FP6-7 Projects on Low Dose:

	M€(EC)
DOREMI 2010-2015 Low Dose Research towards Multidisciplinary Integration	13,0
RISC-RAD 2003-2008 The problem of risk at low and protracted doses	10,0
SOUL 2005-2009 Southern Urals Radiation Risk Research	6,4
NOTE 2005-2010 Non-targeted effects of ionising radiation	6,3
SOLO 2010-2014 Epidemiological Studies of Exposed Southern Urals Populations	4,9
CARDIORISK 2008-2010 Cardiovascular risks after low radiation doses	2,8
GENRISK-T 2006-2010 Genetic component of the low dose risk of thyroid cancer	2,7
ALPHA-RISK 2005-2009 Multiple chronic radiation exposures	2,2
GENEPI-LOW 2005-2010 Risk to Normal Tissue after Radiotherapy	1,8
<i>... and many more!</i>	

- ◆ Total EC contribution to rad. protection research in FP6(2003-6) = **c. €50M**
- ◆ Total EC contribution in FP7(2007-11) = **c. €60M** (estimated)
- ◆ Projects are shared cost → total research investment 1.5 - 2 times greater
- ◆ Most of this funding has focused on low-dose issues

... but to succeed we need to cooperate even more, integrate further and pool resources!

Role of MELODI

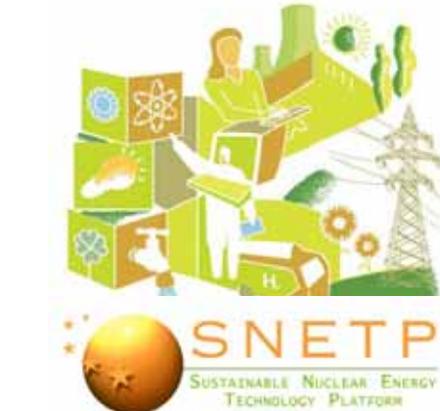
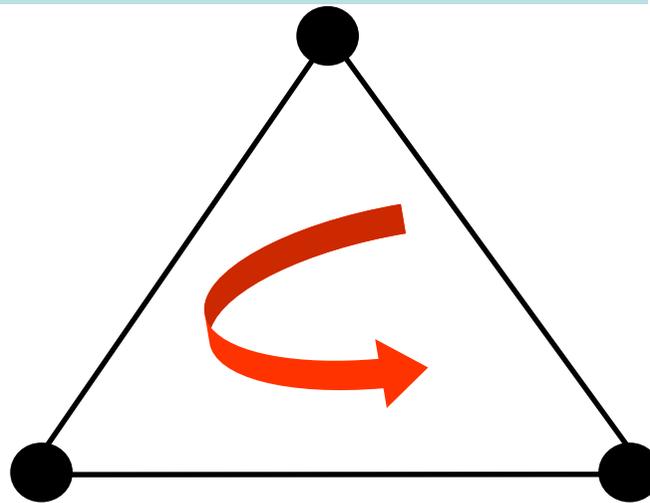
- **MELODI is the appropriate initiative to go this further step**
 - ▶ it creates the European Research Area in the field of low dose research
 - ◆ a platform allowing participation of all European researchers from all the necessary disciplines
 - ◆ ...that encourages development and training of researchers and facilitates mobility
 - ◆ ...and facilitates access to infrastructures (data and tissue bank, irradiation facilities...)
 - ▶ it can effectively deliver the EU response that is required in the area of low dose research

The broader European strategy

- **MELODI can also contribute to the Europe 2020 Strategy and the Innovation Union**
 - ▶ Contribute to the general effort on health and ageing of EU population through better understanding of risks from the use of radiation in medicine
 - ▶ Strengthen the European regulatory framework and norms & standards for the use of radiation in industry and medicine
 - ▶ Inform EU policy and debate on risks related to energy use, other industrial practices and medical applications

need for commitment

- **This 2nd MELODI seminar demonstrates the clear momentum and stakeholder commitment to the process**
- **'Letter of Intent' signed, and a legal status for MELODI would guarantee the sustainability over the long term**
- **If this momentum and commitment are maintained, we have every confidence that MELODI will succeed, and**
 - ▶ ... become a technical platform recognised for its competence and scientific credentials
 - ▶ ... be able to inform the European and global debate



Interactions at EU level:

- DG-Research (Euratom and health research programmes)
- DG-SANCO (health policy)
- DG-Energy (Euratom radiation protection policy / legislation)

▶ Recent Communication on 'medical applications of ionizing radiation and security of supply of radioisotopes for nuclear medicine'



Interactions with international bodies such as:

- ICRP
- UNSCEAR
- WHO
- CRPPH

the future Euratom effort

- **Regarding the Euratom contribution, the 5th and final call for proposals under FP7 was published on 20 August, deadline 7 April 2011**
 - ▶ Includes a topic on low-dose research and an indicative budget of €10M EC contribution
- **It is too early to know the details of future Euratom programmes, though the strategy will be to continue the support to the three 'technical platforms' for as long as they remain effective**

Thank you for your attention!