



Multidisciplinary European Low Dose Initiative

MELODI

**Maximizing European research
for radiation protection**

EURADOS GA 2014-02-12, Budapest



Multidisciplinary European Low Dose Initiative

Contents

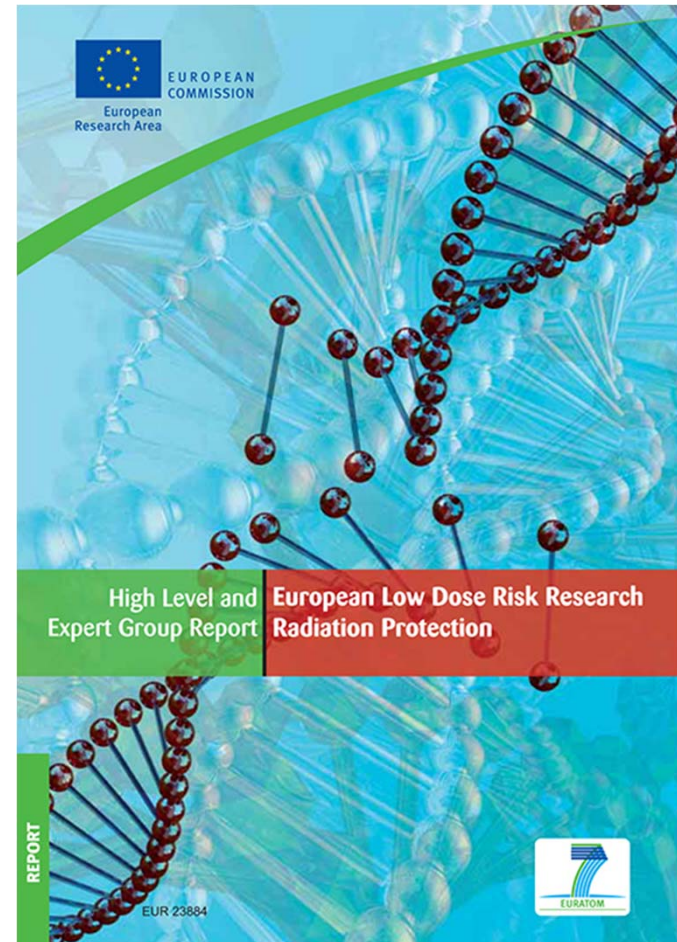
- Formation and activities of MELODI
- Next steps in Horizon 2020
- Conclusion



Multidisciplinary European Low Dose Initiative

The roots of MELODI

The European Commission and a number of EU Member States involved in the Euratom Programme set up in 2009 a “High Level and Expert Group on European Low Dose Risk Research” (HLEG) aimed at better integrating European (national and EC) research in the field



EC Report EUR 23884
(www.hleg.de)



Multidisciplinary European Low Dose Initiative

HLEG recommendations

- **Major societal and scientific questions**
 - Dose/effect relationship at low dose/low dose rate exposures,
 - Individual sensitivity
 - Non cancer health effects
 - Internal exposure, associated to chemical contamination; influence of radiation quality
- **A need for a Strategic Research Agenda (SRA) and associated priority road map**



Turning HLEG into practice

Multidisciplinary European Low Dose Initiative

- The setup of the **DoReMi Network of Excellence** on low dose research in FP7 , preparing a transitional research agenda, and addressing main scientific questions and cross-cutting issues set by the HLEG

DoReMi – <http://www.doremi-noe.net/>

- The formation of the Multidisciplinary European Low Dose Initiative, the **MELODI Association**
MELODI – <http://www.melodi-online.eu/>

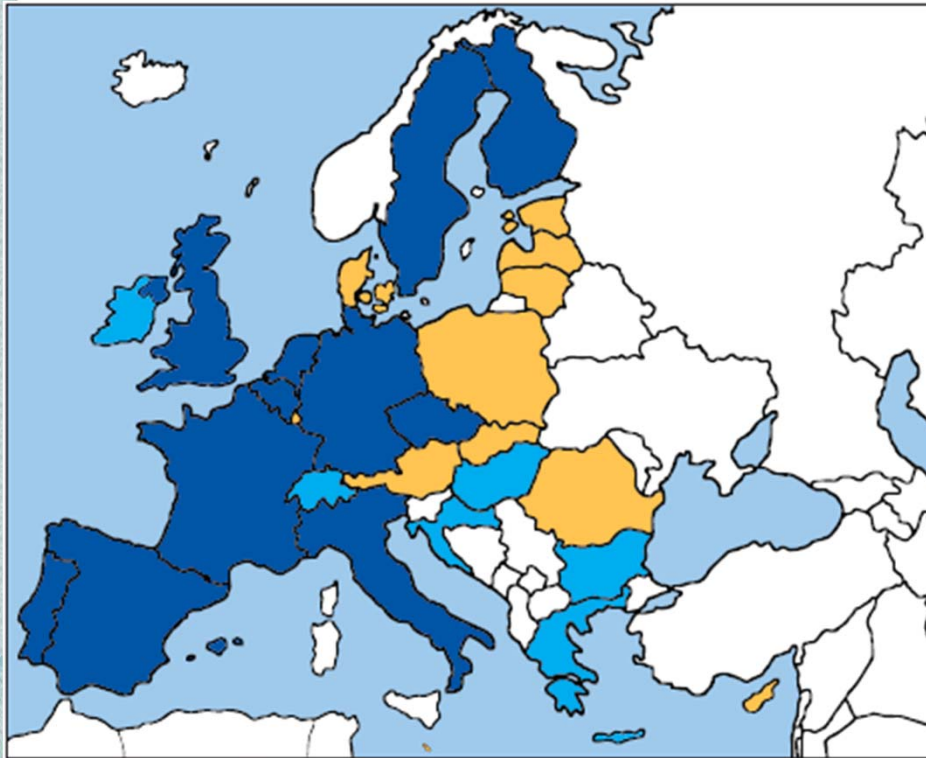


The MELODI Association

Multidisciplinary European Low Dose Initiative

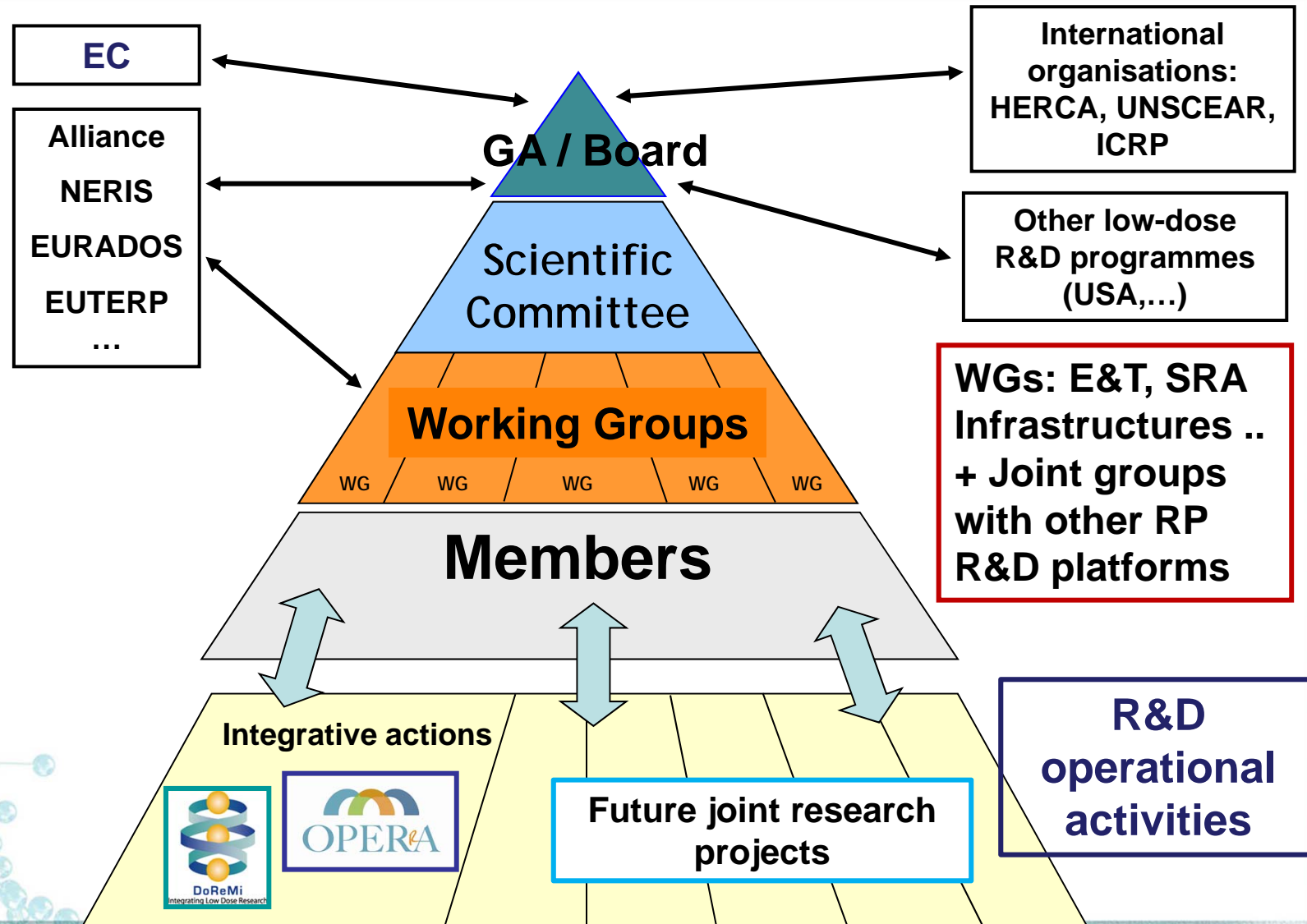
- Legal entity: non profit Association under French law
- Statutory mission: art II: « *The purpose of the MELODI Association is to **constitute a European Research Platform in the field of low-dose exposure to ionizing radiation and of radiation protection** from such exposure aiming for a progressive integration of related national and European activities.../... **MELODI defines priority scientific goals and implements research.** »*
- Membership rules: *Founding members, with national role for RP R&D, committed to R&D integration, Ordinary members, contributing to MELODI work*

30 MELODI members in Europe



- 11 countries with « founding members »
- 6 countries with «ordinary members» only
- 11 Member States still without MELODI members

MELODI Structure





Multidisciplinary European Low Dose Initiative

MELODI activities (1)

In the area of low dose exposure risks

- SRA, R&D priorities and roadmap
- Scientific opinions
- MELODI Award
- MELODI open workshops
- WP leader of OPERRA WP3, organising open RTD calls
- European and national R&D integration strategy
- Education and training strategy and coordination
- Infrastructures strategy and coordination



Multidisciplinary European Low Dose Initiative

MELODI activities (2)

Acting together with other RP research associations, through an MoU for transversal cooperation

- Through **OPERRA** FP7: establishment of coherence of European R&D programs in response to priority RP needs (low dose effects, environmental protection, emergency preparedness, dosimetry, medical domain, E&T). OPERRA acts as a prototype joint programming instrument to prepare the RP for Horizon 2020
- Operational support to other EU FP7 projects: CO-CHER, COMET
- An **MoU** has been signed between **ALLIANCE, NERIS, EURADOS and MELODI** 5/12/2013; MELODI is progressing to establish an MoU with the medical world



Multidisciplinary European Low Dose Initiative

Contents

- Formation and activities of MELODI
- **Next steps in Horizon 2020**
- Conclusion



Multidisciplinary European Low Dose Initiative

EJP call

Integrating Radiation Research in the European Union

HORIZON 2020 - EURATOM CALL NFRP-07-2015

European Joint Programming (EJP) expected impact:

This action will lead to the better integrating of the radiation protection scientific community at EU level, leading to a better coordination of research efforts and the provision of more consolidated and robust science-based policy recommendations to decision makers in this area.

In the long term, these efforts will translate into additional or improved practical measures in view of the effective protection of people and the environment.



Multidisciplinary European Low Dose Initiative

Conclusion

- Radiation protection research addresses important stakes for Europe
- MELODI and sister platforms form a reliable and open instrument to progress towards European research integration
- With EC and Member States support, the next step may be addressing the H2020 EJP proposal, gathering national R&D bodies committed to integration, and MELODI as an integrative platform, supported by the other European R&D RP structures



Multidisciplinary European Low Dose Initiative

Thank you for your attention

Further information:

<http://www.melodi-online.eu/>
melodi.secretariat@sckcen.be

Presentation prepared by J. Repussard, Chair of Melodi, updated by the MELODI Secretariat for the occasion of the EURADOS GA meeting 2/2014