

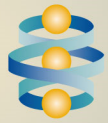
DoReMi Integrating Low Dose Research

Welcome to the DoReMi workshop on *Radiation Quality*

Andrea Ottolenghi

Peter O'Neill

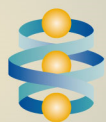
Vere Smyth



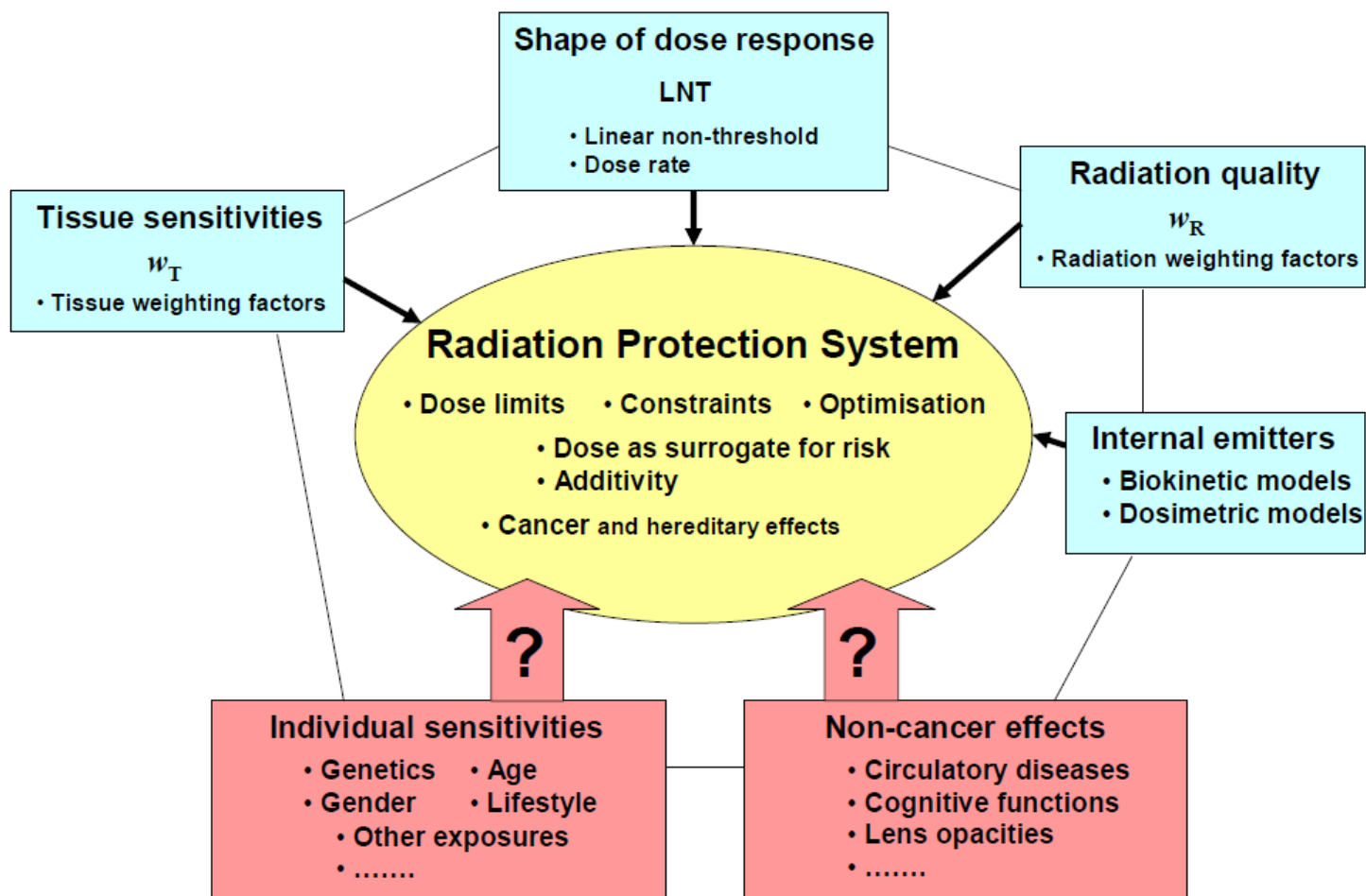
**Report of
High Level and Expert Group
on
European Low Dose Risk Research
January 2009**

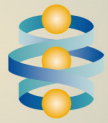


The HLEG Report analysed the state of European research into low-dose risks, and produced some **far-reaching recommendations.**



How robust is the system of radiation protection and risk assessment?

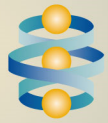




HLEG recommendations:

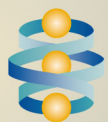
Key policy issues for ionising radiation risk management in a European context

- The shape of dose-response for cancer;
- Tissue sensitivities for cancer induction;
- Individual variability in cancer risk;
- *The effects of radiation quality (type);*
- Risks from internal radiation exposure;
- Risks of, and dose response relationships for, non-cancer diseases and hereditary effects.

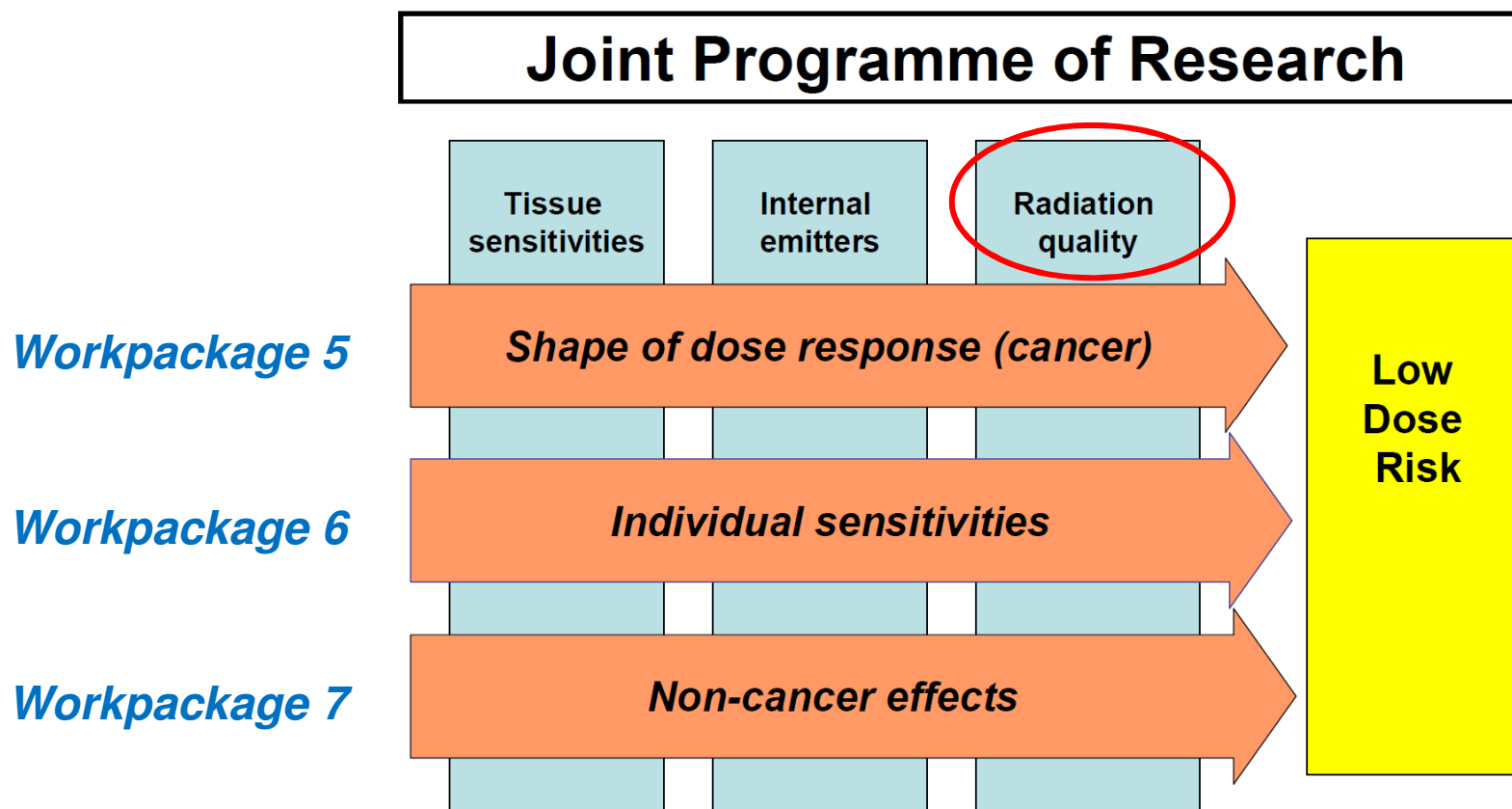


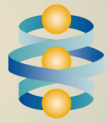
The HLEG recommendations led to:

- MELODI Technology Platform
 - Multidisciplinary European Low-Dose Initiative
 - Continuously updated Strategic Research Agenda (SRA)
- DoReMi
 - EC-funded FP7 Network of Excellence to get MELODI going
- OPERRA
 - FP7 project to set up an EC funding body for radiation protection research
 - >>>Generates RTD calls from SRA<<<



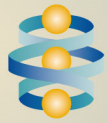
In DoReMi radiation quality is a “cross-cutting issue”





Aim of the workshop:

- *To review how we are doing*
- *To think about what we **should** be doing*
- *To set priorities for new research*
- *To make recommendations for the **MELODI SRA***



Programme

Session 1: What is radiation quality?

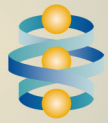
- How does the current radiation protection system take it into account?
- What are the problems and the major questions which need to be addressed?

Session 2: Review of the DoReMi research workpackages

- Does each task take account of (or even admit) the possibility that the radiation effect in question *may depend on radiation quality INDEPENDENTLY of quantity* (dose).

Session 3: “Horizon search”.

- What are we missing?
- What new science has come up leading to new possible lines of research?



Session 4: “Blue skies search”

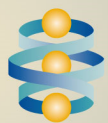
- What can the difference in response to different qualities tell us about fundamental biology (dynamic equilibrium following a perturbation, etc.)?
- It is up to you to think of new ideas.

Session 5: Discussion

- Brainstorming
- Priority setting

Session 6: What to do?

- Publication/s?
- New projects?
- Action list?



DoReMi Integrating Low Dose Research

Enjoy the next 2 days!