



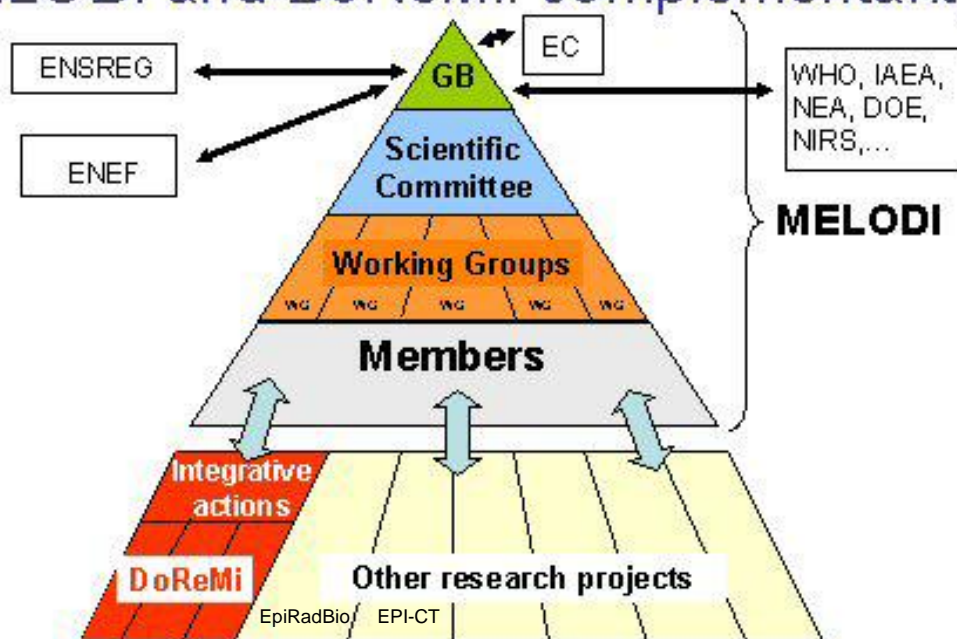
Satellite event: DoReMi/MELODI Training & Education Forum

The role of MELODI in the development and implementation of E&T

Wolfgang Weiss



MELODI and DoReMi: complementarity





Aim of DoReMi

- To promote sustainable integration of low dose risk research in Europe
- To act as operational tool to establish the MELODI platform
- To address the key policy questions identified by the **HLEG Report** on Low Dose Risk Research on research, training and dissemination activities



4.1.5 Education and training

Many EU member states have lost key competences and are no longer capable of independently retaining their current research activities in radiation sciences. Programmes aiming at knowledge management across generations have to be designed in a way that they achieve sustainable results.

MELODI will respond to these needs and aim at establishing an **integrated approach to E&T in radiation research in Europe**. Particular consideration will be given to the **better integration of research and teaching** at Universities and at non-university research organisations.

Graduate school(s) of radiation sciences would to some degree alleviate the lack of sufficient geographically situated experts. One option would be a **virtual European school**, with an exchange of students between host institutes; the alternative would be a centralized European Graduate School with input from seconded experts.



Months 0-18: Establishment of integration plan

Research

- Survey on existing research
- First call for integrative RTD
- Survey on existing infrastructures
- Evaluation of suitable cohorts for molecular epidemiological studies
- Barrier solving RTD projects
- Feasibility study for molecular epidemiology approach/as needed

Spreading of Excellence

- Web site established
- Exploratory workshops
- Survey on European training activities related to low dose risk research
- Supporting MSc training
- Considering barriers for European level training
- Drafting modular MSc and PhD courses

Integration

- Strengths and weaknesses
- Survey on national funding programmes
- Coherent structure
- Harmonised procedures
- Best practises
- Considering barriers for integration
- Transition plan



The legal framework and the long term vision at EC level



Council conclusions of 12 May 2009 on a strategic framework for European cooperation in education and training ('ET 2020')

THE COUNCIL OF THE EUROPEAN UNION AGREES that:

In the period up to 2020, the primary goal of European cooperation should be to support the further development of education and training systems in the Member States which are aimed at ensuring:

- (a) the personal, social and professional fulfilment of all citizens;
- (b) sustainable economic prosperity and employability, whilst promoting democratic values, social cohesion, active citizenship, and intercultural dialogue.



Council conclusions of 12 May 2009 on a strategic framework for European cooperation in education and training ('ET 2020')

European cooperation in education and training for the period up to 2020 should be established in the context of a strategic framework spanning education and training systems as a whole in a lifelong learning perspective making effective use of the open method of coordination (OMC) and developing **synergies between the different education and training sectors**.

In order to support Member States' efforts to modernise higher education and develop a European Higher Education Area, close synergy with the **Bologna process** should also be aimed for, in particular with regard to quality assurance, recognition, mobility and transparency instruments.

Special attention should be paid to the synergies between education, research and innovation, as well as to complementarity with the aims of the European Research Area.



Proposal for a
COUNCIL DIRECTIVE
laying down **basic safety standards** for protection against
the dangers arising from exposure to ionising radiation

CHAPTER IV
REQUIREMENTS FOR RADIATION PROTECTION EDUCATION, TRAINING AND INFORMATION

Article 15 General responsibilities for education, training and provision of information

Article 16 Training of exposed workers, apprentices and students and information provided to them

Article 17 Information and training of workers potentially exposed to orphan sources

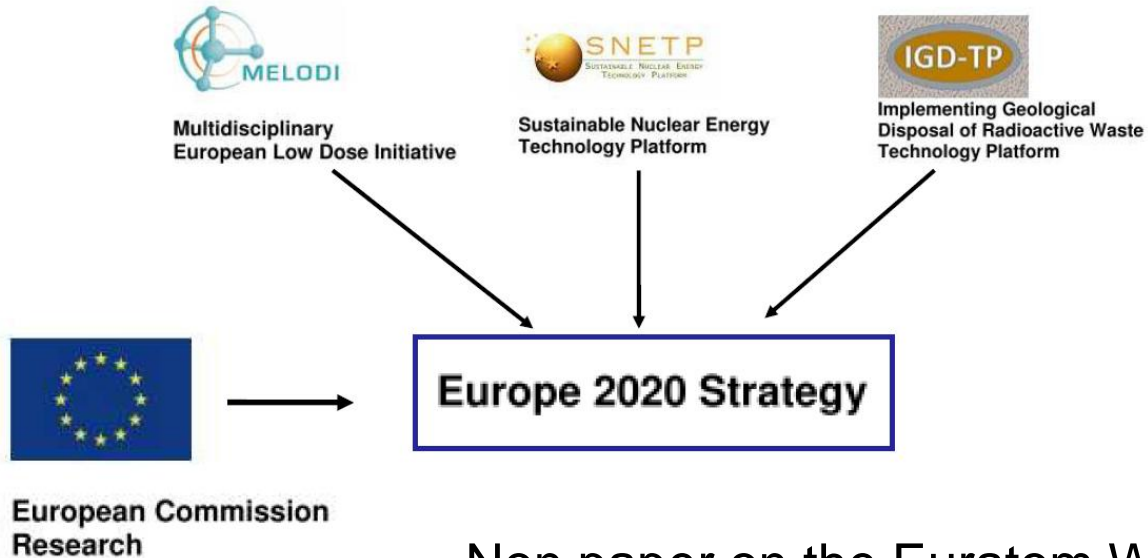
Article 18 Information and training for emergency workers

Article 19 Education, information and training in the field of medical exposure



The long term vision

Horizon 2020 and the role of MELODI in E&T



Non paper on the Euratom Work Programme for Nuclear Research and Training Activities for 2013

*“Under the Euratom programme, the EC should promote and facilitate nuclear research activities in the Member States and complement them through specific **Community Research and Training activities**. In this scope, it should help stimulating joint funding from Member States and/or enterprises and benefits should be taken from the increasing interaction between SNETP, IGDTP and MELODI and other stakeholder fora at the Union level.”*



Exchanges of views on Fission EU research activities under Horizon 2020 (2014-2020)

Horizon 2020 - state of the art

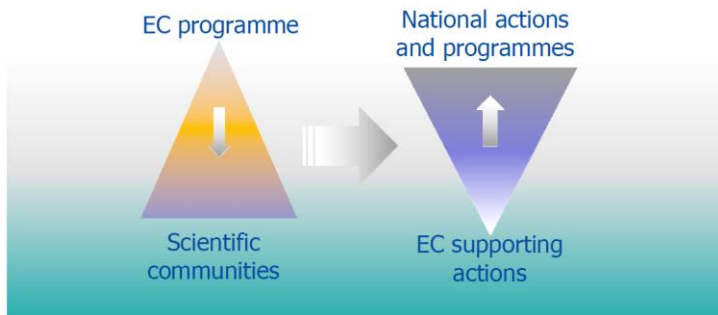
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EU-TPs Informal meeting, CDMA (Brussels, BE), 29 June 2012



From a project-related logic to a programme-related logic



The role of the EU



- To support **Excellence**
- To play a more **catalyzing and leveraging role** European Research Area
- To develop **an efficient European Research Area**
 - the implementation of such a policy implies **constant dialogue and concerted actions between stakeholders** notably for the support of methodological & technical developments
 - role of **Technology Platforms**, of **Industrial Alliances**
 - but also of better **support to coordination and cooperation** between **Member States**



MELODI Association Articles of Association

(new?) ARTICLE II – Purpose

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 protection from such exposure (hereinafter referred to as the "Research Area"), aiming for a progressive integration of national and European activities. Acting in accordance with the orientations set by its members and with the research policy of the EU, MELODI defines priority scientific goals and implements research.



MELODI Association Articles of Association

(new?) ARTICLE II – Purpose

For this purpose, key objectives in the Research Area, specific resources, infrastructures and **training capabilities** needed to address these scientific goals are recorded in a Strategic Research Agenda (SRA). The SRA is developed and maintained on the basis of results attained in interaction with the scientific community in Europe and beyond. It is made publicly available, and is promoted through appropriate communication.

In compliance with its own rules and with third-parties rights, MELODI makes the main results of its activities available to the public.



MELODI Association Next steps

Based on the findings and recommendations of DoReMi MELODI needs to

- establish an **concept and a strategy** to integrate training into the research activities within the SRA
- develop a **road map** for the implementation of the plans.