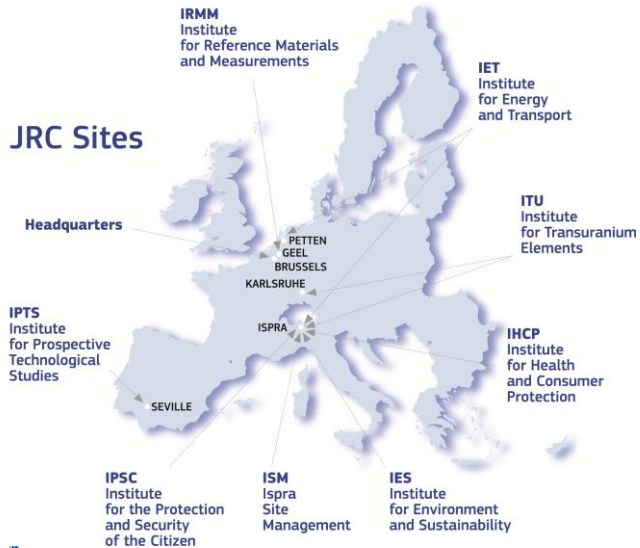




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7th edition of the International Summer School on Nuclear Decommissioning and Waste Management

14-18 September 2015, JRC-Ispra, Italy
Auditorium, Bldg. 58c

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As the Commission's in-house science service, the Joint Research Centre's mission is to provide EU policies with independent, evidence-based scientific and technical support throughout the whole policy cycle.

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7th International Summer School on Nuclear Decommissioning and Waste Management

14 September 2015

- 09:00-10:00 **Welcome and opening**
Willem Janssens, JRC
- SESSION 1: Legal framework, regulation and guidelines**
- 10:00-10:30 **Safety of radioactive waste and spent fuel management** – Kai Moeller, IAEA
- 10:30-11:00 *Coffee Break and Group Picture*
- 11:00-11:30 **Decommissioning programme of the Joint Research Centre** – Hans Schneider, JRC
- 11:30-12:00 **The European waste directive: structure, content and implementation guidance**
Gunnar Buckau, JRC
- 12:00-12:30 **Legal process in D&WM**
Jeroen Welbergen, COVRA

12:45-14:00 *Buffet Lunch*

SESSION 2: Characterization and Clearance

- 14:00-14:30 **Destructive and non-destructive controls of radioactive waste at CEA** Lionel Boucher, CEA
- 14:30-15:00 **Theme assessment of spent fuel for the direct disposal** - Holger Tietze-Jaensch, FZ Julich
- 15:00-15:30 **Clearance procedures: JRC approaches in compliance with the Italian legislation**
Giovanni Macchi, JRC
- 15:30-16:00 *Coffee Break*
- 16:00-16:30 **Waste and materials' characterization systems**
Pete Burgess, Nuclear Consultant
- 16:30-17:00 **Occupational exposure and categorization of workers in a nuclear facility**
Celso Osimani, Nuclear Consultant

15 September 2015

SESSION 3: Radiation Protection

- 09:00-09:30 **Stakeholder's Engagement**
Marie Claire Cantone, UNIMI
- 09:30-10:00 **Communication and social aspects in D&WM program** – Tanja Perko, SCK-CEN
- 10:00-10:30 **Effects of low radiation doses**
Philip Metcalf, BBM Consulting e.U.
- 10:30-10:45 *Coffee Break*

- 10:45-11:15 **Recommendations and standards for radiation protection for public, workers and environment**
Eduardo Gallego, ICRP
- 11:15-11:30 **Addresses of the Director of JRC Institute of Transuranium Elements** - Maria Betti, JRC
- 11:30-12:00 **Biological research on low doses**
Anna Giovanetti, ENEA
- 12:00-12:30 **Environmental radiation protection in D&WM**
Mike Wood, Salford University
- 12:30-13:30 *Buffet Lunch*
- SESSION 4: Visit of JRC-ISPRA decommissioning facilities**
- 13:30-17:00 **Visit of ESSOR reactor and Area 40**
- 18:00-20:00 *Evening Lecture Management of spent nuclear fuel and its waste* - Pierre Kockerols, EC-JRC
* Hotel Villa Borghi

16 September 2015

SESSION 5: Operational decommissioning experience

- 09:00-09:30 **Assessment of alpha emitter's content in radioactive waste** - Bent Pedersen, JRC
- 09:30-10:00 **Operational Decommissioning experience in Germany** - Przemyslaw Imielski, GRS
- 10:00-10:30 **WM and RP issues related to nuclear facility decommissioning in France** - Ludovic Vaillant, CEPN
- 10:30-11:00 *Coffee Break*
- 11:00-11:30 **Operational decommissioning experience in Netherlands** - Jeroen Welbergen, COVRA
- 11:30-12:00 **Operational decommissioning experience in U.K.** Denis Buckley, Nuclear Consultant
- 12:00-12:30 **International experience exchange and co-operation for safe, efficient decommissioning and radioactive WM** Inge Weber, NEA
- 12:45-14:00 *Buffet Lunch*

SESSION 6: Waste Management

- 14:00-14:30 **Radioactive waste: Disposal options and practice** - Piero Risoluti, Nuclear Consultant
- 14:30-15:00 **Some examples of sentencing waste at the very low level waste boundary**
Pete Burgess, Nuclear Consultant
- 15:00-15:30 **Decommissioning planning of charged particles accelerator** Federica Simonelli, JRC
- 15:30-16:00 *Coffee Break*
- 16:00-16:30 **Safety and Security aspect of the utilization of high activity radioactive sources and their related disposal management**
Kamel Abbas, JRC
- 16:30-17:00 **Organizational and safety culture in decommissioning** – Michele Laraia, Nuclear Consultant

17 September 2015

SESSION 7: Visit of SOGIN NPP - Caorso, Italy

- 08:00-19:00 **Decommissioning Programme, storage and disposal of radioactive waste, decommissioning activities, visit of NPP facilities**

18 September 2015

SESSION 8: Training and education in nuclear decommissioning and waste management

- 09:00-09:30 **Karlsruhe nuclide chart – 9th edition in 2015**
Zsolt Soti, JRC
- 09:30-10:00 **Nucleonica: Nuclear application of radioactive waste management and decommissioning**
Joseph Magill, Nucleonica
- 10:00-10:30 **E&T in nuclear decommissioning** – Martin Freer, Birmingham Centre for Nuclear Education and Research
- 10:30-10:45 *Coffee Break*
- 10:45-11:45 **Anonymous Questionnaire**
- 11:45-12:30 **Closing statement**
- 12:30-13:30 *Buffet Lunch*