



**FS- Workshop in cooperation with IRPA
Radiation Protection Culture in Waste Management
14 – 16 Nov 2016 Rock Laboratory at Mont Terri in St. Ursanne, Switzerland**

Dear colleagues,

The “Fachverband für Strahlenschutz” (FS) as the association of Radiation Protection of Germany and Switzerland is organising a workshop in the frame of the IRPA activities for radiation protection culture. This workshop with the title “Radiation Protection Culture in Waste Management” is a follow-up of the first Workshop under the same title, organized from 31 Aug to 02 Sept 2015 at Schloss Böttstein in Switzerland.

The FS, experienced in this subject, has been organising different national and international events in the field of radiation protection culture and waste management. Events organised by the FS as Symposia and Seminars are recognized also by NGOs and representatives of citizens' groups as a neutral and independent forum in this field.

The FS is inviting delegates from all European IRPA societies for participating in this workshop. The number of participants, however is limited to 30 persons. The workshop is organized in cooperation with IRPA.

Scope:

Radioactive waste is an unavoidable by-product from the use of radioactive material and nuclear technology. Most radioactive waste comes from nuclear electricity production and from dismantling of nuclear power plants. However, it is also generated in industry from material analysis, in hospitals by medical applications and in universities and research centres for natural sciences and engineering. Radioactive waste management includes also clearance and exemption as measure to minimize radioactive waste. It influences the economy as well as the exposure of the public.

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Working groups will be established to discuss the following subjects.

1. **Graded approach for disposal concepts**

Some countries like Germany and Switzerland pursue a final disposal concept only in geological formations (after a short intermediate storage for used nuclear fuel). Other countries like France and Spain are using a graded approach concept with an additional near surface disposal for transient low and intermediate level waste. Are both concepts equivalent in regard to the aspect of safety culture or should one concept be preferred?

Not in every country the capacity of a disposal facility is a short resource. In order to reduce the risk of illegal disposal of radioactive waste some countries have a low cost concept for disposal. Other countries like Germany will offer the space in the disposal facility only for very high fees. Which of these concepts is recommendable: abundance of capacity in a disposal facility or to restrict capacity to stimulate waste minimization?

2. **When Radiation Protection (RP) meets RadWaste Management (RWM)...**

With regard to potentially different views from RP or RWM members by planning a facility or during the treatment of radioactive waste, discussions may arise about the right goal and how to reach it. Each participant of this group has the possibility to contribute his experiences in those situations, especially with regard to the inclusion of the ALARA and/or the waste minimization principle.

3. **Stakeholder involvement in a process of participation for a disposal facility**

How can the technical/scientific expertise in particular of IRPA societies be implemented in the process of participation? Are we really necessary in a process, where societal responsibility is discussed? Do we as radiological experts disturb such a process? Is our position really independent, as stakeholders might see us as a generator of radioactive waste? How should we explain our position in such a process?

4. **Improvement in the use of different dose concepts**

Different dose concepts are used for different situations. In case of disposal there are four dose concepts of importance: the 10 μSv -concept for clearance of materials, the recommendation of up to 300 μSv for release of sites, the use of a 300 μSv dose constraint for the discharge for example of liquids and the release of NORM and remediation of NORM sites with a dose concept of up to 1 mSv. The overlap of these different dose concepts should be discussed. Under which circumstances is an overlap possible? How can the use of these different dose concepts - especially with regard to the stakeholders – be defined in a clear and comprehensive manner?

The results of the working groups will again be summarised in a report. If you are interested in the report of the first workshop, please visit our website by using the following link:
http://www.fs-ev.org/fileadmin/user_upload/89_News/02_Dokumente/Summary-RPCulture_Workshop-final_Schu.pdf

Venue:

The workshop is scheduled for the 14 to 16 November at the visitor center of the rock laboratory at Mont Terri in St. Ursanne, Switzerland. The visitor center is close to the train station of St. Ursanne. St. Ursanne

is located approx. 50 km away from Basel or about 2.5 hours by train away from airport Zurich-Kloten. For more information see website www.mont-terri.ch/internet/mont-terri/en/homepage.html

Accommodation:

Rooms are prereserved at IBIS Hotel in Delémont, Switzerland (rate 116.- SFR per single incl. breakfast and tax, reservation number 803227). The hotel is 20 min (by train) away from St. Ursanne.

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Registration:

Please send your registration by email to J. Feinhals (ake@fs-ev.org). We need your full name and your contact data like company, address, phone and email-address until 20 Oct 2016. There is no fee for the workshop. As there is only a limited number of participants, we kindly ask you to register as soon as possible.

We hope to see you at the workshop in St. Ursanne.

Best regards

C. Murith

J. Feinhals

President of Association of Radiation Protection of
Germany and Switzerland

Secretary of the Working Group Disposal of
Radioactive Waste

