FS

Member of the International Radiation Protection Association (IRPA)

Joachim Breckow

A Swiss-German Approach to Introducing Pupils, Students, and Young Professionals to Radiation Protection

Background:

- Radiation protection is (too) closely linked to nuclear power : Objections to nuclear power → Objections to radiation research
- In view of the abandonment of nuclear power (at least in Germany and Switzerland): Is there still any need for radiation protection?
- Is radiation research/application/protection still innovative?
- Are there still chances for occupational carrier?
- Isn't radiation protection by itself dangerous?

FS

Member of the International Radiation Protection Association (IRPA)

Joachim Breckow

A Swiss-German Approach to Introducing Pupils, Students, and Young Professionals to Radiation Protection

Consequences:

- We have to communicate what radiation is and how the risk actually is – permanently and persistently
- We have to encourage young people to engage in radiation affairs
- We have to support any activity of education facilities directed towards radiation affairs
- We have to establish attractive study courses in high schools and universities

FS

Member of the International Radiation Protection Association (IRPA)

Joachim Breckow

A Swiss-German Approach to Introducing Pupils, Students, and Young Professionals to Radiation Protection

The FS-Funding System:

- Pupils and teachers in schools:
 Projects in groups of 1 to 5 pupils supervised by a teacher Funding: € 500,- per project and prizes at an annually project contest
- Students: Bursary of one semester at an education facility abroad Funding: € 1.000,- per student
- Young Professionals / Researchers:
 "Rupprecht-Maushart-Preis" awarded every two years



Member of the International Radiation Protection Association (IRPA)

Joachim Breckow





Member of the International Radiation Protection Association (IRPA)

Development of approaches for retrospective

Joachim Breckow

Tomàs Vrba



Czech Republic	evaluation of effective and		
-		Rupprecht-Maushart-Preis	•

- Initiated 2008, in line with the "Young Scientists Award" of the IRPA
- FS-Candidate Harald Breitkreutz wins the 1st European IRPA- Award in Helsinki, 2010
- FS-Candidate in 2012 is Olaf Marzocchi

Abb. 1: Harald Breitkreutz (links) erhält ADD. 1: marain prensieurs (111185) curan you Alfred Hefner als Mitglied des IRPA

Michal Gryzinski Radiation protection dos bination chambers at rad Poland Luca Zanibellato Experimental monitoring around a biomedical cycl Italy Harald Breitkreutz Measurement and simula

spectra at the MEDAPP Germany

developments

T. P. Kuipers Feasability study of a low Netherlands ionizing radiation sensor n

Attila Hirn Results of model calculations and all development related to a 3D silicon d Hungary dosimetric telescope

Martina Rozmarik Macefat Determination of low level activity of alp beta emitters in environmental samples Croatia

Reduction of radioxenon emissions from Damien Braekers radiopharmaceutical facilities - a pilot study Belgium

Public exposure by natural radionuclides in Valeria Gruber drinking water - Models for effective dose Austria

assessment and implications



FS

Member of the International Radiation Protection Association (IRPA)

Joachim Breckow

A Swiss-German Approach to Introducing Pupils, Students, and Young Professionals to Radiation Protection

Experiences and Conclusions:

- No simple way to reach teachers and schools, just installing a funding system won't do
- Society members are appealed to seek individually contact with schools, teachers, and pupils
- Once having run one of the funding lines, participants often are eager to keep up
- Need of permanent effort to enlarge engagement of young people in radiation protection affairs