

ETRAP 2013



Tuesday 12 March 2013

17:00 - 19:00 Pre-registration

18:00 - 19:00 Welcome Drink

Wednesday 13 March 2013

9:00 – 10:30 Opening Session

Chair: M. Coeck, SCK•CEN, Belgium; Co-chair: A. Hefner, Seibersdorf Laboratory, Austria

Welcome Addresses

Martina Schwaiger, Managing Director, Seibersdorf Laboratory, Austria

Dr. Viktor Karg, Head of Division Radiation Protection, Federal Minister of Agriculture, Forestry, Environment and Water Management of the Republic of Austria

Mr. Pil Soo Hahn, on behalf of Mr. Flory, IAEA Deputy Director General of the Department of Nuclear Safety & Security, Austria

Prof. Eduardo Gallego, Director of Nuclear Engineering Department, Escuela Superior de Ingenieros Industriales, Universidad Politécnica de Madrid, Spain

Keynote Speeches

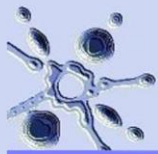
A0012	EDUCATION AND TRAINING IN RADIATION PROTECTION IN THE PROPOSAL FOR REVISED EURATOM BASIC SAFETY STANDARDS DIRECTIVE	Simeonov, G. (1) 1 - European Commission, Directorate-General for Energy, Luxembourg
A0015	AN IAEA PERSPECTIVE ON ESTABLISHING SUSTAINABLE NATIONAL INFRASTRUCTURES FOR EDUCATION AND TRAINING IN RADIATION, TRANSPORT AND WASTE SAFETY	Luciani, A. (1); Wheatley, J. (1) 1 - Division of Radiation, Transport and Waste Safety, Department of Nuclear Safety and Security, IAEA, Austria

10:30 – 11:00 Coffee Break

11:00 – 12:40 Harmonization of terminologies and definitions

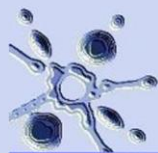
Chair: M. Schwaiger, Seibersdorf Laboratory, Austria; Co-chair: M. Coeck, SCK•CEN, Belgium

OVERVIEW ON THE ECVET APPROACH	Van Wezel, R. , 1 - ECVET Team
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A0003	ENETRAP II: WP5 DEVELOP AND APPLY MECHANISMS FOR THE EVALUATION OF TRAINING EVENTS, MATERIAL AND PROVIDERS	van Elsäcker-Degenaar, I. H. (1); Sutmuller, M. (1); Draaisma, F. S. (1); Stewart, J. (2); Livolsi, P. (3); Fantuzzi, E. (4); Möbius, S. (5); De Regge, P. P. (6); Vaz, J. P. (7); Ceclan, M. (8); Buurveld, H. A. (1) 1 - Nuclear Research and Consultancy Group (NRG), the Netherlands 2 - Health Protection Agency, United Kingdom 3 - Institut National des Sciences et Techniques Nucléaires, CEA/INSTN, France 4 - ENEA Radiation Protection Institute, Italy 5 - Karlsruhe Institute of Technology(KIT-FzK), Germany 6 - ENEN Association, France 7 - ITN, Radiological Protection and Safety Unit, Portugal 8 - Polytechnica University of Bucharest (PUB), Romania
A0009	BILATERAL COMPARISON OF LOW LEVEL RP TRAINING AND EDUCATION COURSES – A STEP TOWARDS MUTUAL RECOGNITION OF RPOs AND RADIATION WORKERS	Boersma, H. F. (1); Vahlbruch, J.-W. (2); Greuter, M. (3); Van Dongen, O. (4); Haagen, J. (5) 1 - University of Groningen, The Netherlands 2 - Leibniz University Hannover, Germany 3 - University Medical Hospital Groningen, The Netherlands 4 - Nederlandse Aardolie Maatschappij B.V. Assen, The Netherlands 5 - Medical Center Alkmaar Gemini Group, The Netherlands
A0044	ESTABLISH THE RPE TRAINING STANDARD: THE ECVET APPROACH AS A TOOL	Livolsi, P. (1); Coeck, M. (2); Clarijs, T.(2); Massiot, Ph.(3); Stewart, J. (4); Schmitt-Hannig, A. (5); Vaz, P. (6); Fantuzzi, E. (7); Marco-Arboli, M. (8); Ceclan, M. (9) 1 - National Institute for Nuclear Science and Technology, CEA Grenoble, France 2 - SCK•CEN Academy, Education & Training projects, Belgium 3 - National Institute for Nuclear Science and Technology, CEA Saclay, France 4 - HPA-RPD, Radiation Protection Division of the Health Protection Agency, United Kingdom 5 - BfS, The Federal Office for Radiation Protection, Germany 6 - ITN, Radiological Protection and Safety Unit, Portugal 7 - ENEA, The Italian National Agency for New Technology, Energy and Environment, Italy 8 - CIEMAT, The Research Centre for Energy, Environment and Technology, Spain 9 - UPB, Polytechnica University of Bucharest, Romania
A0075	THE EUROPEAN QUALIFICATIONS FRAMEWORK (EQF) AND IT'S APPLICATION IN THE DESIGN OF MEDICAL RADIATION PROTECTION QUALIFICATION AND CURRICULUM FRAMEWORKS IN EUROPE	Caruana, C. J. (1); Castillo, J. (2) 1 - Vice-Chair, Education and Training Committee, EFOMP, United Kingdom 2 - Medical Imaging Department, Mater Dei Hospital, Msida, Malta

12:40 – 13:40 Lunch



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13:40 – 15:00 Efficiency and effectiveness of training

Chair: R. Paynter, HPA, UK; Co-chair: A. Luciani, IAEA

A0001	SYSTEM OF EDUCATION AND TRAINING IN RADIATION SAFETY OF THE STAFF BELONGING TO A RADIOACTIVE FACILITY	Amador Balbona, Z. H. (1); Perez Pijuan, S. (1); Ayra Pardo, F. E. (1); Soria Guevara, M. A. (1) 1 - Centre of Isotopes, Cuba
A0072	RADIATION PROTECTION TRAINING FOR EMERGENCY SERVICES IN AUSTRIA	Neuwirth, J. (1); Stolar, A. (1); Hefner, A. (1) 1 - Seibersdorf Laboratories, Austria

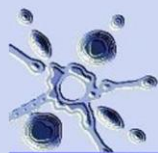
The presentations will be followed by a panel discussion

15:00 – 15:30 Coffee Break + Poster Session I

15:30 – 17:30 (Inter)national collaborations and networks, (inter)regional approaches and collaborations

Chair: J. Wheatley, IAEA; Co-chair: E. Gallego, Universidad Politécnica de Madrid, Spain

A0014	MEDICAL PHYSICS EDUCATION AND TRAINING: REGULATORY ASPECTS IN LATIN AMERICA	Kodlulovich, S. (1); Sá, L. (1) 1 - National Commission of Nuclear Energy, Brazil
A0031	CONTRIBUTION OF THE TRAINING CENTER OF NATIONAL CENTRE FOR NUCLEAR ENERGY, SCIENCE AND TECHNOLOGY (CNESTEN) TO BUILDING COMPETENCIES IN RADIATION PROTECTION IN THE AFRICA REGION: POST GRADUATE EDUCATIONAL COURSE (PGEC) / MOROCCAN EXPERIENCE	Nasri, B. (1) 1 - National Centre for Nuclear Energy, Science and Technology (CNESTEN), Rabat, Morocco
A0042	SARA – AN INTENSIVE PROGRAM COURSE FROM THE CHERNE NETWORK	Cechak, T. (1); Gerardy, I. (2); Hoyler, F. (3); Janssens, H. (4); Lopes, I. (5); Tondeur, F. (2) 1 - Ceske Vysoké Ucení Technické V Praze, 7 Brehova, CZ-11119 Prague, Czech Republic 2 - Haute Ecole Spaak, Rue Royale 150, B-1000 Brussels, Belgium 3 - FH Aachen (Campus Jülich), Heinrich-Mußmann-Str. 1, D-52428 Jülich (corresponding author), Germany 4 - UHassel/XIOS, Universitaire Campus, Agoralaan, B-3590 Diepenbeek, Belgium 5 - Universidade de Coimbra, Rua Larga, P-3004-516 Coimbra, Portugal
A0045	EUROPEAN REGIONAL WORKSHOPS ON ESTABLISHING A NATIONAL STRATEGY FOR EDUCATION AND TRAINING IN RADIATION, TRANSPORT AND WASTE SAFETY	Dimitriou, P. (1); Timoshchenko, A. (2); Pafilis, C. (3) 1 - University of Athens, Medical School, Greece 2 - International A. Sakharov Environmental University, Belarus 3 - Greek Atomic Energy Commission, Greece
A0059	EUROPEAN GUIDANCE FOR RPO RADIATION PROTECTION TRAINING	Schmitt-Hannig, A. (1) 1 - Federal Office for Radiation Protection (BfS), Germany



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A0047	THE EUROPEAN DATABASE ON E&T IN RP	Marco, M. (1); Llorente, C. (1); Coeck, M. (2); Livosi, P. (3); Möbius, S. (4); Van Elsäcker - Degenaar, H. (5) 1 - Centro de Investigaciones Energéticas Medioambientales y Tecnológicas; CIEMAT, Spain 2 - Belgian Nuclear Research Centre; SCK•CEN, Belgium 3 - Commissariat à l'énergie atomique et aux énergies alternatives - CEA Grenoble, France 4 - Karlsruher Institut für Technologie; KIT, Germany 5 - NRG, The Netherlands
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Thursday 14 March 2013

9:00 - 10:20 Qualification, accreditation & certification I

Chair: G. Simeonov, European Commission; Co-chair: A. Schmitt-Hannig, Bundesamt für Strahlenschutz, Germany

A0004	MASTER PROGRAM IN RADIATION PROTECTION IN MOROCCO	Hakam, O. K. (1); Choukri, A. (1) 1 - University of Ibn Tofail, Faculty of Sciences, Department of Physics, Kenitra, Morocco
A0005	IMPLEMENTATION OF THE UK SCHEME FOR RADIOACTIVE WASTE ADVISERS	Wright, A. (1); Englefield, C. (2); Peake, L. (3) 1 - Scottish Environment Protection Agency, United Kingdom 2 - Environment Agency, United Kingdom 3 - Northern Ireland Environment Agency, United Kingdom
A0062	THE DEVELOPMENT OF A RECOGNITION SYSTEM FOR RADIOACTIVE WASTE ADVISERS	Paynter, R. (1); Englefield, C. (2); Partington, C. (3) 1 - HPA, United Kingdom 2 - Environment Agency, United Kingdom 3 - Society for Radiological Protection, United Kingdom
A0010	LEVEL OF EDUCATION AND TRAINING IN RADIATION PROTECTION IN THE CURRICULUM OF HEALTH PROFESSIONALS IN NORWAY	Silkoset, R. D. (1); Widmark, A. (1); Friberg, E. G. (1) 1 - Norwegian Radiation Protection Authority (NRPA), Norway

10:20 - 11:00 Coffee Break

11:00 - 12:40 Qualification, accreditation & certification II

Chair: O. Guzman, HERCA; Co-chair: H.-F. Boersma, University of Groningen, The Netherlands

A0039	ESTABLISHING A NATIONAL STRATEGY FOR E&T IN RADIATION PROTECTION	Dimitriou, P. (1); Pafilis, C. (2); Karpououlos, K. (2); Kamenopoulou, V. (2); Housiadas, C. (2) 1 - University of Athens, Medical School, Greece 2 - Greek Atomic Energy Commission, Greece
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A0041	RECOGNITION OF RADIATION PROTECTION EXPERTS (RPES)	Stewart, J. (1); Livolsi, P. (2); van Elsäcker-Degenaar, H. (3); Schmitt-Hannig, A. (4) 1 - Health Protection Agency , United Kingdom 2 - CEA, France 3 - NRG, Netherlands 4 - BfS, Germany
A0051	CURRICULUM OF RADIATION PROTECTION EDUCATIONS AND TRAININGS IN HUNGARY	Elek, R. (1); Pesznyak, C. (2); Lumniczky, K. (1); Pellet, S. (1); Safrany, G. (1) 1 - "Frédéric Joliot-Curie" National Research Institute for Radiobiology and Radiohygiene, Hungary 2 - Budapest University of Technology and Economics, Institute of Nuclear Techniques, Hungary
A0056	NEW SWISS REGULATIONS ABOUT THE RESPONSIBILITIES OF PERSONS IN RADIATION PROTECTION AND THEIR NECESSARY CAPABILITIES AND SKILLS	Jahn, S.-G. (1) 1 - Swiss Federal Nuclear Safety Inspectorate, Switzerland
A0054	CERTIFICATION AND ACCREDITATION OF POSTGRADUATE COURSES IN RADIATION PROTECTION AND NUCLEAR SAFETY IN THE REGIONAL CENTER FOR LATIN AMERICA AND THE CARIBBEAN REGION	Papadópulos, S. B. (1); Diaz, O. E. (2); Larcher, A. M. (2); Nicolás, R. (2); Lombardi, R. (2); Quintana, G. (2) 1 - Nuclear Regulatory Authority, Argentina 2 - Faculty of Engineering, University of Buenos Aires, Argentina

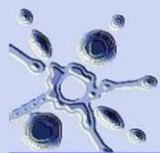
12:40 – 13:30 Lunch

13:30 – 14:00 Poster Session II

14:00 - 15:20 Sector specific training needs I

Chair: C. Caruana; Mater Dei Hospital, Malta; Co-chair: J. Stewart, HPA, UK

A0034	EDUCATION AND TRAINING IN RADIATION MEDICAL PHYSICS IN BELARUS: AT THE STARTING POINT	Tarutin, I. (1); Morozik, M. (2); Timoshchenko, A. (3); Kadatskaya, M. (3) 1 - Department of radiotherapy, N. Alexandrov Cancer Centre of Oncology and Medical Radiology, Belarus 2 - Department of molecular and environmental genetics, International Sakharov Environmental University, Belarus 3 - Department of nuclear and radiation safety, International Sakharov Environmental University, Belarus
A0008	NUCLEAR SAFETY AND RADIATION PROTECTION IN POLAND	Fornalski, K. (1) 1 - PGE EJ1 (PGE Nuclear), Poland
A0019	TRAINING OF MEDICAL SPECIALISTS IN RADIATION SAFETY WITH THE ACCOUNT OF INNOVATIVE DEVELOPMENT OF THE INDUSTRY OF BELARUS	Bartnouski, U. (1) 1 - Gomel State Medical University, Belarus



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A0022	RADIATION SAFETY TRAINING IN THE VETERINARY SECTOR	Fannin, R. (1); Wright, A. (1) 1 - Health Protection Agency, United Kingdom
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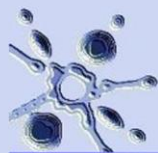
15:20 – 15:40 Coffee Break

15:40 – 17:20 Sector specific training needs II

Chair: M. Schouwenburg, TU Delft, The Netherlands; Co-chair: G. Genard, Tractebel Engineering, Belgium

A0028	RADIATION SAFETY TRAINING FOR EMERGENCY RESPONDERS	Grindrod, E. (1); Stewart, J. (1) 1 - Health Protection Agency, Centre for Radiation, Chemicals and Environmental Hazards, United Kingdom
A0030	ACCREDITED RADIATION PROTECTION TRAINING FOR THE AUSTRIAN POLICE	Timal, G. (1); Schoenhacker, S. (1) 1 - Civil Protection School, Federal Security Academy, Federal Ministry of the Interior, Austria
A0064	NORM AWARENESS TRAINING: AN OVERVIEW OF HEALTH EFFECTS OF NATURALLY OCCURRING RADIOACTIVE MATERIAL IN THE OIL AND GAS INDUSTRY	Landsberger, S. (1); George, G. (1) 1 - Environklean Product Development Inc, United States
A0070	RESULTS AND LESSONS LEARNT FROM 2010 AND 2011 INTERNATIONAL TRAINING COURSE ON MANAGEMENT OF WASTE IN ACCORDANCE WITH IAEA SAFETY STANDARDS AND INTERNATIONAL BEST PRACTICE	Kinker, M. (1) 1 - Internatioal Atomic Energy Agency, Austria
A0071	RADIATION PROTECTION TRAINING OF CONTRACTORS AT LOVIISA NPP	Holmberg, K. (1); Koivisto, M. (1) 1 - Fortum Power and Heat Oy, Loviisa NPP, Finland

19:00 – 22:30 ETRAP 2013 Conference Dinner



Friday 15 March 2013

9:00 - 10:00 Tools and resources, methods of delivery, introduction of modern learning tools

Chair: S. Landsberger, University of Texas, United States; Co-chair: M. Marco, CIEMAT, Spain

A0029	NEW LEARNING TOOLS DEVELOPED IN WP7 FOR ENETRAP II PROJECT: TEXTBOOK AND CYBERBOOK	Massiot, P. (1); Livolsi, P. (1); Jimonet, C. (1); Coeck, M. (2); Mobius, S. (3); Marco, M. (4); Pesnyak, C. (5) 1 - CEA-INSTN, France 2 - SCK•CEN, Belgium 3 - KIT, Germany 4 - CIEMAT, Spain 5 - BME-NTI, Hungary
A0083	EDUCATION AND TRAINING VIA PUBLIC SERIES OF WEBINARS	Paulenova, A. (1); Paviet-Hartmann, P. (2) 1 - Oregon State University, United States 2 - Idaho National Laboratory, United States
A0063	A SERIOUS 3D GAME FOR EDUCATION AND TRAINING IN RADIATION PROTECTION	Pin, A. (1); Massiot, P. (2) 1 - CEA-INSTN-Cherbourg-Octeville, France 2 - CEA-INSTN-Saclay, France

10:00 - 11:20 Public information

Chair: G. Tudor, IAEA; Co-chair: K. Huitema, TU Delft, The Netherlands

A0024	UNDERGRADUATE EDUCATION IN RADIATION PROTECTION IN THE UK: MEETING A NATIONAL NEED	Marsh, A. (1); Englefield, C. (1) 1 - University of Cumbria, United Kingdom
A0065	AN ON-LINE GRADUATE COURSE IN NUCLEAR ENVIRONMENTAL PROTECTION FOR HEALTH PHYSICS AND RADIOACTIVE WASTE MANAGEMENT	Landsberger, S. (1); Tamalis, D. (2) 1 - University of Texas, United States 2 - Florida Memorial University, United States
A0073	HOW TO INFORM THE PUBLIC ABOUT RADIATION EXPOSURE	Sabol, J. (1); Hudzietzova, J. (1) 1 - Czech Technical University in Prague, Faculty of Biomedical Engineering, Czech Republic
A0017	INTERACTIVE WEBSITE ON RADIATION IN THE NETHERLANDS	Huitema, K. (1); Van Bourgondiën, M. (1) 1 - TU Delft, Reactor Institute Delft, The Netherlands

11:20 – 11:40 Coffee Break



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11:40 - 12:40 Introduction of ethics in education and training for radiation protection

Chair: G. Meskens, SCK•CEN, Belgium; Co-chair: J. Damilakis, University of Crete, Greece

A0037	SUSTAINABLE DEVELOPMENT, ALARA CULTURE AND ETHICS IN THE E&T PROGRAMMES OF THE CHERNE NETWORK	Janssens, H. (1) 1 - UHasselt/XIOS, dptm. Nuclear Technology, Belgium
A0025	WHERE IS THE BORDER BETWEEN PROFESSIONAL AND RADIATION PROTECTION EDUCATION AND TRAINING	Koželj, M. (1) 1 - Jožef Stefan Institute, Slovenia

The presentations will be followed by a panel discussion

Lunch 12:40 – 13:40

13:40 - 16:00 The future of education and training in radiation protection

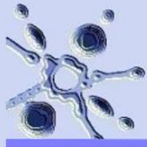
Chair: A. Schmitt-Hannig, Bundesamt für Strahlenschutz, Germany; Co-chair: J. Stewart, HPA, UK

A0087	DRIVERS AND ENABLERS FOR CHANGES IN EDUCATION & TRAINING: ALL STAKEHOLDERS INVOLVED UNDER EURATOM HORIZON-2020	Van Goethem , G. (1) 1 - European Commission, Belgium
A0069	SUPPORT AND INTEGRATION OF EDUCATION AND TRAINING ON LOW DOSE RADIATION RESEARCH IN EUROPE	Ottolenghi, A. (1); Trott, K. (1); Smyth, V. (1) 1 - Physics Department, University of Pavia, Italy
	MEDRAPET – FUTURE FOR MEDICAL E&T	Damilakis, J. (1) 1 - University of Crete, Iraklion, Crete, Greece
A0043	INTERNATIONAL HIGH-SCHOOL STUDENT MEETINGS: "RADIATION PROTECTION WORKSHOPS"	Livolsi, P. (1); Reaud, C. (2); Ceclan, M. (3) 1 - CEA-INSTN, France 2 - CEPN, France 3 - University Politechnica of Bucharest, Romania
A0085	THE SRP "YOUNG GENERATION" INITIATIVE	Stewart, J. (1) 1 - HPA, United Kingdom

The presentations will be followed by a panel discussion

16:00 – 16:15 Conclusions and Closing

Chair: M. Coeck, SCK•CEN, Belgium; Co-chair: R. Paynter, EUTERP President



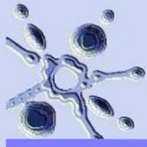
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Poster Session

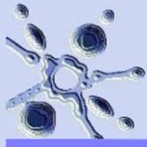
ETRAP2013-A0007	EDUCATION AND TRAINING IN RADIATION PROTECTION AT THE UNIVERSITY OF GRONINGEN – PAST, PRESENT AND FUTURE	Bunskoeke, E. J. (1); Boersma, H. F. (1) 1 - University of Groningen, The Netherlands
ETRAP2013-A0011	AN EXAMPLE OF ECVET IN RADIOPROTECTION: A TAXONOMY AS FIRST STEP	Lacal Molina, M. A. (1); Von Estorff, U. (1) 1 - Institute for Energy and Transport - JRC - EC, The Netherlands
ETRAP2013-A0013	NEW INTERNATIONAL RECOMMENDATIONS FOR MEDICAL EXPOSURES: IMPACT IN LATIN AMERICA	Vasconcellos de Sá, L. (1); Kodlulovich, S. (1) 1 - National Nuclear Energy Commission (CNEN), Brazil
ETRAP2013-A0016	PRESENT = FUTURE OF EDUCATION IN RADIATION PROTECTION? THOUGHTS OF A TRAINING SUPERVISOR	Schlagner, S. (1) 1 - Landesanstalt fuer Personendosimetrie und Strahlenschutz Ausbildung (LPS) Berlin, Germany
ETRAP2013-A0018	ACCREDITATION OF A RADIOACTIVITY TESTING LABORATORY: CHALLENGES FROM A LABORATORY POINT OF VIEW	Wellens, B. (1) 1 - Nuclear Engineering Seibersdorf, Austria
ETRAP2013-A0020	OVERCOMING 'STAGEFRIGHT' – HOW TO SUPPORT, DEVELOP AND INSTIL CONFIDENCE IN NEW TRAINERS	Fannin, R. (1) 1 - Health Protection Agency, United Kingdom
ETRAP2013-A0021	RADIATION SAFETY TRAINING IN THE ACADEMIC SECTOR	Fannin, R. (1); Fawcett, J. (1) 1 - Health Protection Agency, United Kingdom
ETRAP2013-A0023	INTERDISCIPLINARY APPROACH TO NUCLEAR EDUCATION – TOWARDS SUSTAINABILITY □ □	Dreimanis, A. (1) 1 - Radiation safety centre of the State Environment Service, Latvia
ETRAP2013-A0026	HOW WELL DO WE COPE WITH DIGITAL DETECTORS? A VISUAL GRADING ANALYSIS OF ORTHOPEDIC RADIOGRAPHS.	Decoster, R. (1); Mol, H. (1); Smits, D. (1) 1 - Hogeschool Universiteit Brussel, Belgium
ETRAP2013-A0033	APPLICATIONS OF EPZDOSE FOR FASTER-THAN-REAL TIME EVALUATIONS ON OFFSITE DOSE CONSEQUENCES DURING NUCLEAR EMERGENCY SITUATIONS	Chen, S.-H. (1); Shih, C. (1); Wang, J.-R. (2) 1 - Institute of Nuclear Eng. & Sci., National Tsing Hua University, Taiwan 2 - Institute of Nuclear Energy Research, Atomic Energy Council, Taiwan
ETRAP2013-A0035	TOWARDS TO THE SUSTAINABLE SYSTEM OF EDUCATION AND TRAINING FOR BUILDING COMPETENCE IN NUCLEAR AND RADIATION SAFETY IN BELARUS	Lugovskaya, O. (1); Astashko, G. (1); Vasileuskaya, L. (1); Maruda, M. (2); Timoshchenko, A. (3) 1 - Department of nuclear and radiation safety, Ministry of Emergency of the Republic of Belarus, Belarus 2 - Ministry of education of the Republic of Belarus, Belarus 3 - Department of nuclear and radiation safety, International Sakharov environmental university, Belarus
ETRAP2013-A0036	ACTIVITIES DEVELOPED AT THE CHERNE NETWORK IN THE FRAMEWORK OF RADIOLOGICAL PROTECTION AND NUCLEAR ENGINEERING	Ródenas, J. (1) 1 - Polytechnic University of Valencia, Spain



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ETRAP2013-A0040	IMPLEMENTATION OF ISO 29990:2010 MANAGEMENT SYSTEM FOR PROVIDERS OF LEARNING SERVICES IN NON-FORMAL E&T ON RADIATION PROTECTION	Dimitriou, P. (1); Pafilis, C. (1); Stassinopoulos, I. (2); Ntalles, A. (1); Karpopoulos, K. (1); Carinou, E. (1); Kamenopoulou, V. (1) 1 - Greek Atomic Energy Commission, Greece 2 - Ioannis Stassinopoulos Consultancy Services, Greece
ETRAP2013-A0046	DESIGN FACTORS WITH ICT TOOLS IN COURSES TO TRAIN THE TRAINERS	Aveleyra, E. E. (1); Ferrini, A. (1); Vega, A. F. (1) 1 - Universidad de Buenos Aires- Facultad de Ingeniería- Centro de Educación a Distancia, Argentina
ETRAP2013-A0052	THE INVOLVEMENT OF A REGULATORY AUTHORITY IN EDUCATION AND TRAINING ON RADIATION PROTECTION	Kamenopoulou, V. (1); Pafilis, C. (1); Karpopoulos, K. (1); Carinou, E. (1); Economides, S. (1); Dimitriou, P. (2) 1 - Greek Atomic Energy Commission, Greece 2 - University of Athens, Medical School, Greece
ETRAP2013-A0053	EDUCATION AND TRAINING IN MEDICAL RADIATION PROTECTION PROVIDED BY A MEDICAL PHYSICS UNIVERSITY DEPARTMENT	Dimitriou, P. (1); Papagiannis, P. (1); Yakoumakis, E. (1); Karaiskos, P. (1); Georgiou, E. (1) 1 - Medical Physics Department, Faculty of Medicine, University of Athens, Greece
ETRAP2013-A0055	A NEW TRAINING COURSE FOR MASTER CRAFTSMAN IN RADIATION PROTECTION	Jahn, S.-G. (1); Terbeek, C. (1); Jentjens, L. (1) 1 - Expert Group "Strahlenschutzmeister" of VGB-PowerTech (european association of power plant operators and manufacturer), Germany
ETRAP2013-A0066	RADIATION DOSE STUDY FOR GDNCT AT WWR-SM REACTOR OF INP UZAS	Abdullaeva, G. (1); Koblik, Y. (1); Kulabdullaev, G. (1); Saytjanov, S. (1) 1 - Institute of Nuclear Physics Uz AS, Tashkent, Uzbekistan
ETRAP2013-A0067	USE OF SIMULATION CODES IN NUCLEAR ENGINEERING TO INCREASE THE KNOWLEDGE OF RADIATION TRANSPORT THROUGH MATTER	Miró, R. (1); Juste, B. (1); Barrachina, T. (1); Verdú, G. (1); Sanchis, R. (1) 1 - Universitat Politècnica de València, Spain
ETRAP2013-A0068	ON-LINE TRAINING IN RADIOLOGICAL PROTECTION: MASTER'S DEGREE IN RADIOLOGICAL PROTECTION IN RADIOACTIVE AND NUCLEAR INSTALLATIONS	Mayo, P. (1); Miró, R. (2); Campayo, J. M. (3); Verdú, G. (2); Baeza, G. (4); Ballesteros, L. (2); Cortina, M. T. (5); Díez, S. (3); Gallardo, S. (2); Juste, B. (2); Llorca, N. (6); Mestre, V. (6); Montoro, A. (7); Ortiz, J. (2); Peiró, J. (8); Reinado, D. (5); Alcaraz, D. A. (1) 1 - Titania Servicios Tecnológicos S. L., Spain 2 - Universitat Politècnica València, Spain 3 - Hospital Clínic Universitari de València, Spain 4 - Logística y Acondicionamientos Industriales S.A.U., Spain 5 - Unitat de Biofísica, Universitat de València, Spain 6 - Centro Nacional de Dosimetría de Valencia, Spain 7 - Hospital Universitari i Politècnic La Fe de Valencia, Spain 8 - Secció de Seguretat Radiològica. Generalitat Valenciana, Spain
ETRAP2013-A0074	THE EVOLUTION OF EDUCATION AND TRAINING IN RADIATION PROTECTION AND SAFETY IN THE DEMOCRATIC REPUBLIC OF CONGO	Woto Makontshi, L. (1) 1 - TRIGA MKII, Congo, the Democratic Republic of the Congo



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ETRAP2013-A0079	FIRST PATAGONIAN COURSE "DIAGNOSIS AND TREATMENT OF IONIZING RADIATION INDUCED INJURIES"	Andres, P. (1); Bellotti, M. (2); Cascón, A. (3) 1 - División Protección Radiológica - Centro Atómico Bariloche , Argentina 2 - Laboratorio de Cavitación y Biotecnología - Centro Atómico Bariloche, Argentina 3 - Instituto de Medicina, Radiomedicina y Seguridad (IMERASE SA), Argentina
ETRAP2013-A0082	A SURVEY ON THE AWARENESS OF THE RADIATION PROTECTION IN MEDICAL SECTOR IN ISTANBUL, TURKEY.	Yildiz Yazar, Y. (1); Kara, Ö. E. (2) 1 - Yildiz Technical University, Physics Department, Davutpasa Campus, Istanbul, Turkey 2 - Yildiz Technical University, Institute of Science, Istanbul, Turkey
ETRAP2013-A0084	TRAINING COURSES ON RADIATION PROTECTION FOR THE EMERGING NUCLEAR STATES IN THE CENTRAL INSTITUTE FOR CONTINUING EDUCATION & TRAINING	Tairov, T. (1); Bombin, R. (1); Labyntseva, M. (1); Artisyuk, V. (1) 1 - Central Institute for Continuing Education and Training, Russian Federation
ETRAP2013-A0086	TURKISH EXPERIENCE IN EDUCATION AND TRAINING IN RADIATION PROTECTION FOR DIAGNOSTIC RADIOLOGY	Akbiyik, H. (1); Zeyrek , C. T. (1); Aksu, L. (1) 1 - Ankara Nuclear Research and Training Center, Turkey
ETRAP2013-A0088	THE EFFECTIVENESS OF RADIATION PROTECTION TRAINING IN LITHUANIA	Gatelyte, I. (1) 1 - Radiation Protection Centre, Lithuania
ETRAP2013-A0089	INTERNATIONAL TRAINING COURSE ON PREPAREDNESS AND RESPONSE FOR NUCLEAR OR RADIOLOGICAL EMERGENCIES	Turcanu, C. (1); Camps, J. (1); Coeck, M. (1) 1 - Belgian Nuclear Research Centre SCK•CEN, Belgium
ETRAP2013-A0090	VISIPLAN: A TOOL TO SUPPORT THE TRAINING OF THE ALARA SPECIALIST	Vermeersch, F. (1); Nijs, R. (1) 1 - Belgian Nuclear Research Centre SCK•CEN, Belgium
ETRAP2013-A0091	RADIATION PROTECTION EDUCATION AND TRAINING THROUGH SCK•CEN'S ACADEMY FOR NUCLEAR SCIENCE AND TECHNOLOGY	Coeck, M. (1) 1 - Belgian Nuclear Research Centre SCK•CEN, Belgium
ETRAP2013-A0092	THE EUTERP FOUNDATION: PROVISION OF A CENTRALIZED EUROPEAN SOURCE OF INFORMATION ON RADIATION PROTECTION EDUCATION AND TRAINING	Paynter, R. (1); Allisy-Roberts, P. (2); Draaisma, F. (3); Schouwenburg, M. (4); Coeck, M. (5) 1 - HPA, United Kingdom 2 - EFOMP, United Kingdom 3 - NRG, The Netherlands 4 - TU Delft, The Netherlands 5 - SCK•CEN, Belgium
ETRAP2013-A0094	DESIGN FACTORS WITH ICT TOOLS IN COURSES TO TRAIN THE TRAINERS	Aveleyra, E. (1); Ferrini, A. (1); Vega, A. F. (1) 1 - University of Buenos Aires - School of Engineering , Argentina
ETRAP2013-A0095	ESTABLISHMENT OF A REGIONAL CENTER OF COMPETENCE FOR VVER TECHNOLOGY AND NUCLEAR APPLICATIONS (CORONA)	Cvetkov, I. (1) 1 - Bulgarian Nuclear Society, Bulgaria
ETRAP2013-A0096	TECHNOLOGICAL PLATFORM OF NUCLEAR FISSION ENERGY	Marco, M. (1); Carmena, P. (2); Delgado, J. (3) 1 - CIEMAT, Spain 2 - CEIDEN-F+, Spain 3 - TECNATOM, Spain