

**MONDAY, JUNE 4TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
08.00	08.30	Welcome coffee refreshers	Maxima / Lobby 1
08.30	09.00	Welcome coffee ASF	Maxima / Lobby 1
08.30	09.30	<b>Refresher courses:</b> <i>How to write a scientific paper - Adrie Bos</i>	Asia
		<i>Patient dose &amp; diagnostic reference levels - Hilde Bosmans</i>	WA
		<i>Radioactive sources - security culture - Chris Englefield</i>	Oceania Foyer
		<i>Identification of NORM cases and existing regulatory context - Boguslaw Michalik</i>	Oceania
09.00	12.00	<b>Associate Societies Forum</b>	Europe
09.30	09.45	<b>Room change break</b>	Omgang
09.45	10.45	<b>Refresher courses:</b> <i>History, evolution and rationale of the RP system and in particular dose restrictions - Jean-Francois Lecomte</i>	Oceania Foyer
		<i>Procedures for monitoring the dose to the lens of the eye, the skin and the extremities - Merce Ginjaume</i>	WA
		<i>Radioactive source security - Mitigating the insider threat - Piere Legoux</i>	Oceania
		<i>NORM characterisation and applied metrology - Leo van Velzen</i>	Asia
10.30	11.00	<b>Break ASF</b>	Omgang
10.45	11.00	<b>Room change break</b>	Omgang
11.00	12.00	<b>Refresher courses:</b> <i>The young generation in radiation protection: current situation, possibilities and challenges - Sylvain Andresz</i>	Asia
		<i>Computational dosimetry and modelling in support of radiation protection - Pedro Vaz</i>	WA
		<i>Enhancing radiation safety culture in older nuclear installations - Folkert Draaisma</i>	Oceania
		<i>The presence of radon in indoor air - Hans Vanmarcke</i>	Oceania foyer
		<i>Medical Surveillance of radiological workers (special refresher for radiation doctors) - Bart Goessens</i>	Antarctica
12.00	14.00	<b>LUNCH</b>	Lobby 2
12.45	13.15	<b>Opening Ceremony - chair: Boersma</b>	WA
12.45	12.50	Hielke Freerk Boersma, Congress President	
12.50	13.00	Pim van Gool, President of the Health Council of the Netherlands	
13.00	13.05	Jan van den Heuvel, Chairman of the board of the Authority for Nuclear Safety and Radiation Protection	
13.05	13.10	Carolien Leijen, President of the Dutch Society for Radiation Protection	
13.10	13.15	Roger Coates, IRPA President	

**MONDAY, JUNE 4TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>13.15</b>	<b>15.15</b>	<b>Keynote speakers - chairs: Roobol &amp; Mundigl</b>	<b>WA</b>
13.15	13.45	Radiation protection in the European Union - Stefan Mundigl	
13.45	14.15	New ways to optimization of radiation exposure in radiology - Hilde Bosmans	
14.15	14.45	New evidence on cancer risk from medical radiation - Michael Hauptmann	
14.45	15.15	Radiological protection from NORM in industrial processes - Jean Francois Lecomte	
<b>15.15</b>	<b>15.45</b>	<b>BREAK</b>	<b>Maxima / Lobby 1</b>
<b>15.15</b>	<b>15.45</b>	<b>Poster pitches</b>	
		<b>Classification, Monitoring &amp; Decommissioning - Chair: Moerdijk</b>	<b>Alexia</b>
15.20	15.25	raPHOSafe: Classification and Separation of Radium 226Ra-rich Phosphogypsum from Non-Radioactive Tailings Material - Jörg Feinhals	
15.25	15.30	On the decommissioning of activated concrete - Gilles Moerdijk	
15.30	15.35	Organisation of the environmental monitoring: lessons learnt from Fukushima - Mélanie Maitre	
		<b>Physics, chemistry and biology - Chair: Grimbergen</b>	<b>Ariane</b>
15.20	15.25	RADIATION RESISTANCE IN THE CYANOBACTERIUM ARTHROSPIRA - Ana Yadav	
15.25	15.30	The use of ionizing radiation in experimental animals, a sustainable combination - Andre Zandvoort	
15.30	15.35	Restoration of contaminated areas in Sweden following an RN accident - how to best combine long-term measures in order to protect people in urban environments from radiation while taking economic and social factors into account - Therése Geber-Bergstrand	
<b>15.45</b>	<b>17.05</b>	<b>Scientific presentations</b>	
		<b>Protecting Skin and Eye Lens - Chairs: Milu &amp; Jungbauer</b>	<b>WA</b>
15.45	16.05	Technology to reduce or even prevent harmful radiation effects on the skin - Ad den Boer	
16.05	16.25	Measurement of skin dose and radiation-induced skin reactions during breast cancer radiotherapy - Erik Tesselaar	
16.25	16.45	Developing a calculation tool for skin dose after contamination - Robert Westland	
16.45	17.05	Guidelines for Radiation Protection and Dosimetry of the Eye Lens in the Netherlands - Robert Kollaard	
		<b>Regulations, NORM (exposure) - Chairs: Brandl &amp; Vandenhove</b>	<b>Oceania Foyer</b>
15.45	16.05	CSN's Pilot Inspection Programme as a tool for achieving sustainable compliance in NORM industries - Marta García-Talavera	
16.05	16.25	Radiation exposure from natural radionuclides in Dutch workplaces and public buildings - Pauline Goemans	

**MONDAY, JUNE 4TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
16.25	16.45	Integrated approach for workers protection in industries involving NORM - H��l��ne Caplin	
16.45	17.05	Monitoring of NORM in secondary raw materials from the non-ferrous metallurgy in Belgium - St��phane Pepin	
		<b><i>NuclearEmergency Management-Chairs: Giacomelli &amp; Grimbergen</i></b>	<b><i>Oceania</i></b>
15.45	16.05	An investigation of the effectiveness of sheltering versus evacuation with a focus on geographical influences - Jonathan Sherwood	
16.05	16.25	Public information and transparency in the event of an emergency: New Basic Safety Standards and amended Nuclear Safety Directive - Tanja Perko	
16.25	16.45	COMPARISON OF THE CONTRIBUTION OF SHORT-LIVED RADIOIODINES TO THE THYROID DOSE FOR THE PUBLIC AFTER THE RADIATION ACCIDENTS AT THE CHERNOBYL AND FUKUSHIMA-1 NUCLEAR POWER PLANTS - Sergey Shinkarev	
16.45	17.05	Harmonization of Emergency Preparedness & Response measures in the Netherlands - Theo Klomberg	
		<b><i>Regulation &amp; Legislation - Chairs: Popic &amp; Godthelp</i></b>	<b><i>Europe</i></b>
15.45	16.05	IAEA and EU Basic Safety Standards – Analysis of Differences - Helena Janzekovic	
16.05	16.25	Sustainability as a strategic element of radiation protection - Rainer Gellermann	
16.25	16.45	Collaboration of NDT industry in Radiation Protection, legislation and research projects and communication with Government Institutions - Paul van Rooijen	
16.45	17.05	Knowledge Management for the Radiation Protection and Criticality Specialism in the Office for Nuclear Regulation - Phil Morgan-Brown	
<b>17.05</b>	<b>17.35</b>	<b>BREAK</b>	<b>Maxima / Lobby 1</b>
<b>17.05</b>	<b>17.35</b>	<b>Poster pitches</b>	
		<b><i>Detection &amp; Clean-up - Chair: van Velzen</i></b>	<b><i>Alexia</i></b>
17.10	17.15	ANALYSIS BY MONTE CARLO OF THE VIABILITY OF AN EXPLOSIVE DETECTION SYSTEM BASED ON AmBe NEUTRON SOURCE - Eduardo Galego	
17.15	17.20	Remediation of a pit for mine drainage water in Germany in terms of an artificial cover - Tobias Hein	
17.20	17.25	Rapid Evaluation on the Clean-up of a Titanium Dioxide Production Site - Zu-Hee Woo	
		<b><i>Regulation &amp; Legislation - Chair: Vermeulen</i></b>	<b><i>Ariane</i></b>
17.10	17.15	Practical implications/consequences of new Dutch legislation due to Council Directive 2013/59/Euratom of 5 December 2013 - Andre Zandvoort	
17.15	17.20	Justified Waste and Unethical ALARA - Joop van den Eijnde	

**MONDAY, JUNE 4TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
17.20	17.25	Determination of quantities of radiological interest for the shipping of radioactive goods with Monte-Carlo simulations - Philippe Bertreix	
<b>17.35</b>	<b>18.55</b>	<b>Scientific presentations</b>	
		<b><i>Medical radiation therapy - Chairs: Vaz &amp; Franken</i></b>	<b>WA</b>
17.35	17.55	Dose reduction from accurate proton energy loss prediction with dual energy CT in proton therapy - Emiel van der Graaf	
17.55	18.15	Paediatric brain irradiation with spot scanning proton therapy reduces the out-of-field doses compared to photon radiotherapy – a EURADOS WG9 antropomorphic phantom study - Filip Vanhavere	
18.15	18.35	Evaluation of staff member radiation exposure of 90Y selective internal radiation therapy - Maartje Lotz	
18.35	18.55	Age-adjusted Risk Factors for Patients undergoing Molecular Radiotherapy - Jim Thurston	
		<b><i>Environet &amp; NORM project - Chairs: Orrell &amp; van Dongen</i></b>	<b>Oceania Foyer</b>
17.35	17.55	NORM: Are We Speaking the Same Language? - Gert Jonkers	
17.55	18.15	How to built the national-level NORM inventory? An example developed from scratch. - Boguslaw Michalik	
18.15	18.35	Establishing a national NORM inventory and determining NORM management options – Estonia’s experience - Taavi Vaasma	
18.35	18.55	NORM residue and NORM waste Policy and Strategies challenges and opportunities - Daniel Kidane	
		<b><i>Eye lens Protection and Risk Assessment-Chairs: Ginjaume &amp; de Jong</i></b>	<b>Oceania</b>
17.35	17.55	The IRPA efforts in enhancing awareness in the implementation of eye lens monitoring and protection of workers - Marie Claire Cantone	
17.55	18.15	EYE LENS DOSEMETERS INTERCOMPARISON EXERCISE ORGANIZED BY EURADOS - Isabelle Clairand	
18.15	18.35	Tell me what populations eat, I will tell you how much they have been exposed - Sophie Vecchiola	
		<b><i>Communication and rad. prot. challenges - Chairs: Perko &amp; Cantone</i></b>	<b>Europe</b>
17.35	17.55	Local concerns & media attention vs. experts in environmental remediation: Two Belgian case studies - Tanja Perko	
17.55	18.15	Recent status and applications of KURAMA-II - Minoru Tanigaki	
18.15	18.35	Chemical and radiological risk-assessment methodology for soil contamination in Belgium: a comparison - Stéphane Pepin	
18.35	18.55	Evaluation of transfer coefficients of two-compartment prediction models for ambient dose equivalent rates after nuclear accidents - Sakae Kinase	
<b>19.00</b>	<b>20.30</b>	<b>Reception</b>	<b>Lobby 3 / WA Foyer</b>

**TUESDAY, JUNE 5TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>06.45</b>	<b>07.45</b>	<b>Guided Jogging Track</b>	<b>Entree WF</b>
<b>08.00</b>	<b>08.30</b>	<b>Welcome coffee</b>	<b>Maxima / Lobby 1</b>
<b>08.30</b>	<b>09.50</b>	<b>Scientific presentations</b>	
		<b><i>Medical training - Chairs: Bijwaard &amp; Greuter</i></b>	<b>WA</b>
08.30	08.50	Patient & Staff Dose Management Software – can it make a difference? - Sian Vaughan	
08.50	09.10	Case-based practical training in radiation safety for medical interventional teams - Marijn Rolf	
09.10	09.30	Visualizing simulated x-rays with the Microsoft HoloLens to enhance medical staff's understanding of 3D radiation patterns. - Tessa Klunder	
09.30	09.50	Local diagnostic reference levels in paediatric interventional radiology procedures - Louis Alejo	
		<b><i>Building material &amp; exposure - Chairs: Stettner &amp; van Velzen</i></b>	<b>Oceania Foyer</b>
08.30	08.50	Natural radioactivity of building materials in Belgium: current situation and regulatory approach - Stephane Pepin	
08.50	09.10	Assessing the public exposure related to the use of NORM in new types of building materials - Wouter Schroevers	
09.10	09.30	ASSESSMENT OF RADIOLOGICAL SIGNIFICANCE OF BUILDING MATERIALS AND RESIDUES - Natasa Todorovic	
09.30	09.50	A practical method to comply with BSS regulations for the exposure to gamma radiation in dwellings, when taking multiple construction layers into account - Jasper Tomas	
		<b><i>Radon &amp; UV - Chairs: Currivan &amp; Slaper</i></b>	<b>Oceania</b>
08.30	08.50	Supplementary cementitious materials and additives – effective measures to hinder radon in concrete - Magnus Döse	
08.50	09.10	Residential radon and UV exposure and skin cancer mortality in Switzerland - Danielle Vienneau	
09.10	09.30	UV-radiation protection and UV-risks in perspective: the UV-sievert - Harry Slaper	
09.30	09.50	Sub-lethal UVA and UVB radiation during early life stages alter behaviour and heart rate in the zebrafish (Danio rerio) - Terje Christensen	
<b>09.50</b>	<b>10.15</b>	<b>BREAK</b>	
<b>10.15</b>	<b>12.15</b>	<b>Keynote speakers - Chairs: Van Deventer &amp; van Rongen</b>	<b>WA</b>
10.15	10.45	<i>CT of the breast - Willi Kalender</i>	
10.45	11.15	<i>Challenges for radiation protection in support of the safe decommissioning of nuclear facilities - Horst Monken Fernandes</i>	
11.15	11.45	<i>NIR: non-interesting radiation? Not according to ICNIRP - Eric van Rongen</i>	
11.45	12.15	<i>Radiation: a public health perspective - Emilie van Deventer</i>	
<b>12.00</b>	<b>14.00</b>	<b>LUNCH</b>	<b>Lobby 2</b>

**TUESDAY, JUNE 5TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>12.15</b>	<b>13.15</b>	<b>Lunch Seminar NRG</b>	<b>Oceania Foyer</b>
<b>12.30</b>	<b>13.00</b>	<b>Posterpitches</b>	
		<i><b>Medical - Chair: Greuter</b></i>	<b>Alexia</b>
12.35	12.40	Eye lens dosimetry for interventional procedures in cardiology - Grazyna Krajewska	
12.40	12.45	State of Digital Radiography Reject Analysis in Dutch Hospitals - Ischa de Waard-Schalkx	
12.45	12.50	Eye lens doses of medical staff incurred in interventional procedures in Poland - Agnieszka Szumska	
		<i><b>Communication &amp; risk management - Chair: Slaper</b></i>	<b>Ariane</b>
12.35	12.40	Reanalysis of the epidemiological data of the Hanford site considering the dose rate - Michiya Sasaki	
12.40	12.45	New CSN web-based application for the public consultation of the spanish radiological environmental monitoring data - Sofia Luque	
12.45	12.50	Intervention by Intervision: Radiation Safety Culture in The Netherlands - Bert Metz	
<b>12.45</b>	<b>13.45</b>	<b>Young professional get together (invited only)</b>	<b>Africa</b>
<b>13.00</b>	<b>13.30</b>	<b>Posterpitches</b>	
		<i><b>Medical dose &amp; Biodosimetry - Chair: Greuter</b></i>	<b>Alexia</b>
13.05	13.10	An Assessment of Radiation Doses for Breast, Ovaries and Uterus while Investigating the Head, Chest, and Abdomen- Pelvis Using CT - Niculescu Florentin	
13.10	13.15	ASSESSMENT OF PATIENT DOSES FROM PET/CT EXAMINATIONS IN THE RUSSIAN FEDERATION - Larisa Chipiga	
13.15	13.20	CYTOGENETIC BIODOSIMETRY SMALL NETWORK AND ITS ADVANTAGE FOR RADIATION EMERGENCIES IN OCCUPATIONAL FIELD - Nataliya Maznyk	
		<i><b>Modelling &amp; Measuring - Chair: Franken</b></i>	<b>Ariane</b>
13.05	13.10	Radiation protection instrumentation: IEC international standards for performance requirements - Miroslav Voytchev	
13.10	13.15	Measuring radioactivity with drones - Siebren van Tuinen	
13.15	13.20	A site specific accidental aquatic transport model for radioactive release to the Danube at the Paks NPP - Tamás Pázmándi	
<b>14.00</b>	<b>16.00</b>	<b>Scientific presentations</b>	
		<i><b>Emergency preparedness - Chairs: Carr &amp; de Groot</b></i>	<b>WA</b>
14.00	14.20	Development of a dynamic food chain model for assessment of the radiological impact from radioactive releases to the aquatic environment - Govert de With	
14.20	14.40	Probabilistic assessment of the effect of sheltering and evacuation on the radiological dose for the population – a generic approach - Thomas Hamburger	
14.40	15.00	Investigation of Bayesian Statistical Techniques at the Decision Threshold - John Brogan	

**TUESDAY, JUNE 5TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
15.00	15.20	Improvement of thyroid uptake measurement with a set of 3D printed thyroid phantoms. - Tiffany Beaumont	
15.20	15.40	PRESENTATION OF EVOLUTIONS OF THE CERES PLATFORM USED TO EVALUATE THE CONSEQUENCES ON POPULATION OF POLLUTANTS RELEASES - Marguerite Monfort	
15.40	16.00	WHO guideline on iodine thyroid blocking for radiation emergencies - Zhanat Carr	
		<b><i>Indoor Radon: implementation of EU BSS - Chairs: van Deventer &amp; de Jong</i></b>	<b>Europe</b>
14.00	14.20	A NEW REGULATORY FRAMEWORK FOR RADON IN FRANCE - Alain Rannou	
14.20	14.40	European Basic Safety Standards Directive in Ireland An opportunity for the improved regulation of radon in Workplaces - David Fenton	
14.40	15.00	IMPLEMENTATION OF A REGULATORY FRAMEWORK FOR THE PROTECTION AGAINST INDOOR RADON EXPOSURE IN THE NETHERLANDS - Frans van de Put	
15.00	15.20	Optimized protection from radon exposure in workplaces and dwellings: challenges related to the implementation of the European Directive 2013/59/Euratom - Francesco Bochicchio	
15.20	15.40	Regulating natural radiation sources in Belgium: The national radon action plan - Boris Dehandschudder	
15.40	16.00	Requirements on indoor radon in Council Directive 2013/59/Euratom – the Basic Safety Standards Directive - Stefan Mundigl	
		<b><i>Equipment &amp; software - Chairs: Bos &amp;</i></b>	<b>Oceania</b>
14.00	14.20	A Rapid, Robust and Sensitive Detector for the Quantification of Fast Pulsed Ionizing Radiation at CERN - Hamza Boukabache	
14.20	14.40	Setup and validation of two new personal dosimetry systems at the Belgian Nuclear Research Centre SCK•CEN: Landauer InLight and Mirion Instadose+ - Olivier van Hoey	
14.40	15.00	Radionuclide-contaminated wound analysis using a Timepix detector - Peter Rubovic	
15.00	15.20	Radiation Protection Aspects of the upgrade of the CERN PS Booster in the framework of the LHC Injectors Upgrade (LIU) project - Robert Froeschl	
15.20	15.40	Improved handling and readout of household salt (NaCl) for optically stimulated luminescence (OSL) dosimetry for rapid, accurate and cost-effective prospective dosimetry applications Lovisa Waldner	
15.40	16.00	Suitability of a new generation Direct Ion Storage (DIS) dosimeters for use in an approved individual monitoring service - Tom Grimbergen	
		<b><i>Communication &amp; risk management - Chairs: Paynter &amp; Perko</i></b>	<b>Antartica</b>
14.00	14.20	Integration of Risks from Multiple Hazards into a Holistic ALARA / ALARP demonstration - Peter Bryant	
14.20	14.40	Overview of Accidents in Industrial Accelerator Facilities - Helena Janzekovic	
14.40	15.00	Management Gurus on Radiation Protection - Jos van den Eijnde	
15.00	15.20	QUESTIONS AND ANSWERS: THE EXPERTS OF THE SPANISH SOCIETY OF RADIOLOGICAL PROTECTION COMMUNICATE WITH THE PUBLIC - Eduardo Gallego	

**TUESDAY, JUNE 5TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
15.20	15.40	The Status of Radiation Safety (RS) Culture within the Higher Education, Research and Teaching (HERT) Sectors in the UK: An Initial Assessment. - Pete Cole	
15.40	16.00	Regulatory oversight of safety culture in the nuclear industry - Yvonne Dubbers	
		<b>Radon &amp; Thoron - Chairs: Smetsers &amp;</b>	<b>Oceania Foyer</b>
14.00	14.20	Designing and construction of a new radon calibration facility in Romania - Aurelian Luca	
14.20	14.40	Establishing Ireland's current population weighted national average radon concentration using a new survey protocol. - Allison Dowdall	
14.40	15.00	Robust measurement of the thoron exhalation rate from building materials - Govert de With	
15.00	15.20	Outdoor risk from thoron and progeny in a NORM area with old mines. - Hallvart Haanes	
15.20	15.40	The Relationship between Social Deprivation and Domestic Radon Levels : a Study in the East Midlands, UK - Antony Denman	
15.40	16.00	Radon levels in the higher natural radioactive region of a city in China - Qifan Wu	
<b>16.00</b>	<b>16.30</b>	<b>BREAK</b>	
<b>16.00</b>	<b>16.30</b>	<b>Poster pitches</b>	
		<b>Radon - Chair: Jonkers</b>	<b>Alexia</b>
16.05	16.10	New Radon sources for low-level calibrations - Florian Mertes	
16.10	16.15	Determination of activity size distribution of radon progeny based on ambient aerosols size distributions - Katarzyna Woloszczuk	
16.15	16.20	An Introduction to the MetroRadon Project - Metrology for Radon Monitoring - Hannah Wiedner	
		<b>Occupational - Chair: Huikeshoven</b>	<b>Ariane</b>
16.05	16.10	Effective doses from the Norwegian diet - Mari Komperod	
16.10	16.15	Personal and Environmental Monitoring at the Paul Scherrer Institute using a Radiophotoluminescence Dosimetry System - Frank Assenmacher	
16.15	16.20	Availability and reliability of meteorological data for atmospheric dispersion models - Tamás Pázmándi	
<b>16.30</b>	<b>18.10</b>	<b>Scientific presentations</b>	
		<b>Harmonisation, QC&amp;Justification - Chairs: Chambrette &amp; Bosmans</b>	<b>WA</b>
16.30	16.50	Influence of lead aprons in the response of personal dosimeters worn by medical staff in fluoroscopy guided procedures - Christian Candela-Juan	
16.50	17.10	Implementation of regulation for quality control of medical uses of ionizing radiation in Korea - Sang Hyun Park	
17.10	17.30	Using Receiver Operating Characteristics and Nomograms for Justifying Medical Imaging and Communicating Benefits and Risks to Patients - Jim Thurston	



**TUESDAY, JUNE 5TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
17.30	17.50	EURADOS Action on Harmonisation of Individual Monitoring: Intercomparisons, Surveys, Training and Networking Activities - Codrut Cherestes	
		<b><i>NORM, Radon &amp; Waste - Chairs: Gryzinski &amp;</i></b>	<b>Oceania Foyer</b>
16.30	16.50	Cost-effectiveness analysis of policies to reduce lung cancer risk from indoor radon in Italian dwellings - Francesco Bochicchio	
16.50	17.10	Geo/Radio-Chemistry/Physics of the Members of the Thorium and Uranium Decay Series - Gert Jonkers	
17.10	17.30	Survey on naturally occurring radioactive materials (NORM) in the Dutch non-nuclear industry - Emma Folkertsma	
17.30	17.50	Radiological assessment of non-processed waste of a niobium mine aiming the use of it as building material - Thammiris Mohamad El Hajj	
		<b><i>Physics, chemistry &amp; biology - Chairs: Maringer &amp; Bos</i></b>	<b>Oceania</b>
16.30	16.50	Accounting for ingrowth of radioactive progeny in dose assessments - Teun van Dillen	
16.50	17.10	Development and benchmark of a microdosimetric model able to predict the efficiency of luminescent detectors exposed to charged particles: implications for space and hadron therapy dosimetry - Oliver van Hoey	
17.10	17.30	Relative biological effectiveness in a proton spread-out Bragg peak formed by pencil beam scanning mode - Anna Michaelidesova	
		<b><i>Education &amp; training - Chairs: Vahlbruch &amp; Coeck/Boersma</i></b>	<b>Europe</b>
16.30	16.50	Education and training in radiation protection: results of the ENETRAP III project - Michèle Coeck	
16.50	17.10	IMPLEMENTATION OF THE RADIATION PROTECTION EXPERT AND RADIATION PROTECTION OFFICER FROM THE EUROPEAN BASIC SAFETY STANDARDS IN THE NETHERLANDS - Barbara Godthelp	
17.10	17.30	Learning outcomes for the RPO responsible for Dispersible Radioactive Material. - Andre Zandvoort	
17.30	17.50	Learning outcomes for E&T programs for RPOs responsible for open radioactive sources – A German-Dutch comparison - Jan-Willem Vahlbruch	

**WEDNESDAY, JUNE 6TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>06.45</b>	<b>07.45</b>	<b>Guided Jogging Track</b>	<b>Entree WF</b>
<b>08.00</b>		<b>Welcome coffee</b>	<b>Maxima</b>
<b>08.30</b>	<b>09.30</b>	<b>Refresher courses:</b>	
		<i>Applied radiological risk communication for the 21st century - Tanja Perko</i>	<i>WA</i>
		<i>Optical radiation - Eye protection - Per Soderberg</i>	<i>Antarctica</i>
		<i>From fundamental safety principles to operational radiation protection programmes - Amgad Shokr</i>	<i>Asia</i>
		<i>Residential radon lung cancer risk estimation - James Mc Laughlin</i>	<i>Europe</i>
<b>08.45</b>	<b>TV</b>	<b>Mineralz, Hazardous Waste ( incl . NORM) Repository, Maasvlakte and Centrale Organisatie voor Radioactief Afval (COVRA), Vlissingen (08.45 - 18.30)</b>	<b>Entree WF</b>
<b>08.45</b>	<b>TV</b>	<b>Studie Centrum Kernenergie / Centre d'Étude d'Énergie Nucléaire (SCK•CEN), Mol, Belgium (08.45 - 18.30)</b>	<b>Entree WF</b>
<b>09.15</b>	<b>TV</b>	<b>European Space Research and Technology Centre (ESTEC) of the European Space Agency, Noordwijk (09.15 - 17.15)</b>	<b>Entree WF</b>
<b>09.30</b>	<b>09.45</b>	<b>Room change break</b>	
<b>09.45</b>	<b>10.45</b>	<b>Refresher courses:</b>	
		<i>Applying the content-form-source framework to risk perception - Jop Groeneweg</i>	<i>Asia</i>
		<i>Intelligent technical approaches to the reduction of CT patient dose - Willi Kalender</i>	<i>Europe</i>
		<i>Early and late deterministic effects of ionizing radiation: concepts and variables - Jan Wondergem</i>	<i>WA</i>
		<i>Decommissioning of non-nuclear sites - Andre Bloot</i>	<i>Antarctica</i>
<b>10.45</b>	<b>11.00</b>	<b>Room change break</b>	
<b>11.00</b>	<b>12.00</b>	<b>Refresher courses:</b>	
		<i>From power lines to mobile phones: are non-ionizing electromagnetic fields hazardous? - Eric van Rongen</i>	<i>Antarctica</i>
		<i>Industry initiative on CT dose optimization in cooperation with HERCA - Roy Irwan</i>	<i>Asia</i>
		<i>Low dose radiation effects: mechanisms and dose-responsive curves - Dick van Gent</i>	<i>WA</i>
		<i>Environmental remediation: from site characterization to the end state - Christian Kunze</i>	<i>Europe</i>
<b>12.15</b>	<b>TV</b>	<b>Container scanning and nuclear detection, Customs, Rotterdam (12.15 - 18.00)</b>	
<b>12.15</b>	<b>TV</b>	<b>Studie Centrum Kernenergie / Centre d'Étude d'Énergie Nucléaire (SCK•CEN), Mol, Belgium - Radiation Physicians(12.15 - 20.30)</b>	

**WEDNESDAY, JUNE 6TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>13.30</b>	<b>17.15</b>	<b>School Event</b>	<b>Europe/Oceania foyer/rondgang</b>
<b>14.00</b>	<b>15.30</b>	<b>Euterp - 1: Training for Radiation Workers</b>	<b>WA</b>
<b>15.30</b>	<b>16.00</b>	<b>Break Euterp</b>	<b>World Cafe</b>
<b>16.00</b>	<b>17.30</b>	<b>Euterp - 2: Evaluating the Impact of Training Programmes</b>	<b>WA</b>

**THURSDAY, JUNE 7TH**

Start	End	What	Where
06.45	07.45	Guided Jogging Track	Entree WF
08.00	08.30	Welcome coffee	Maxima / Lobby 1
08.30	09.50	Scientific presentations	
		<b>Emergency preparedness - chairs: Vermeulen &amp; Raskob</b>	<b>WA</b>
08.30	08.50	Recommendations for Child and Adult Thyroid Monitoring After Reactor Accident - David Broggio	
08.50	09.10	RAPID PROCEDURE FOR ACTINIDES AND Sr-90 ANALYSIS IN EMERGENCY URINE SPOT SAMPLES. VALIDATION OF THE METHOD IN THE GHSI-RNWG EMERGENCY INTERCOMPARISON EXERCISE - Carolina Hernandez Gonzalez	
09.10	09.30	NERIS roadmap for further research development on preparedness for nuclear and radiological emergency response and recovery - Thierry Schneider	
09.30	09.50	Advanced training of first responders at Forschungszentrum Jülich - Cross-border co-operation - Hardi Krumbach	
		<b>Radiological protection challenges by the decommissioning of nuclear and non-power generating facilities both large and small - Chairs: Feinhals &amp; Sjøgaard-Hansen</b>	<b>Oceania Foyer</b>
08.30	08.50	Decommissioning Dounreay – Radiological Protection Challenges, Solutions and Lessons Learned - Deborah Clark	
08.50	09.10	Radiological characterization of activated material at accelerators -Reiner Geyer	
09.10	09.30	Dose assessment for critical group due to radioactive effluents release as a result of a nuclear research reactor decommissioning - Carmen Tuca	
		<b>Dose estimation - Chairs: Poot &amp; van Rooijen</b>	<b>Oceania</b>
08.30	08.50	Retrospective dose reconstruction for an incident with a concealed radium needle - Daniela Ekendahl	
08.50	09.10	Monte Carlo simulations for individual dosimetry of workers in disposal facilities for SNF - Frank Becker	
09.10	09.30	Intercomparison on Internal Dose Assessment (ICIDOSE 2017): preliminary results - Tamás Pázmándi	
		<b>Education &amp; training - Chairs: Coeck &amp; Draaisma</b>	<b>Europe</b>
08.30	08.50	Sustaining radiological protection inspection capability through graduate and nuclear associate training and development - Laura Macintosh	
08.50	09.10	Development of Radiation Research Capacity in Ireland - Lorraine Currivan	
09.10	09.30	Smartphones as Dosimeters - Hendrik Erenstein	

**THURSDAY, JUNE 7TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
09.30	09.50	The European Radon Association (ERA) - Jose Luis Gutierrez Villanueva	
<b>09.50</b>	<b>10.20</b>	<b>BREAK</b>	
<b>10.20</b>	<b>12.50</b>	<b>Keynote speakers - Chairs: Lochard &amp; Smetsers</b>	<b>WA</b>
10.20	10.50	<i>NORM: EU directive implications beyond EU borders - Nick Tsurikov</i>	
10.50	11.20	<i>Emergency preparedness: advancement and still open gaps in Europe - Wolfgang Raskob</i>	
11.20	11.50	<i>A talk about the sustainability of the ICRP recommendations issues for improvement &amp; clarification - Chris Huyskens</i>	
11.50	12.20	<i>The ethics of radiological protection: from core values to practical wisdom - Jacques Lochard</i>	
12.20	12.50	<i>Radiation protection and sustainability: a view of safety from the IAEA - by Andrew Orrell</i>	
<b>12.00</b>	<b>14.00</b>	<b>LUNCH</b>	
<b>12.55</b>	<b>13.25</b>	<b>Poster pitches</b>	
		<b>Education - Chair: Zandvoort</b>	<b>Ariane</b>
13.00	13.05	<i>IRSN's Information and Education Strategy for the Public to enhance their Radiation Protection and Nuclear Safety Culture - Fabric Ecrabet</i>	
13.05	13.10	<i>RADIATION PROTECTION TRAINING IN UPDATED SLOVENIAN LEGISLATION: WHAT IS IMPROVEMENT AND WHAT IS NOT - Matjaz Kozelj</i>	
13.10	13.15	<i>Nordic Exercise for Unmanned Systems, NEXUS 2017 - Magnus Gardestig</i>	
		<b>Radon, Restoration &amp; Waste - Chair: Pepin</b>	<b>Alexia</b>
13.00	13.05	<i>Radon Levels in New Homes built with radon protection in high radon areas in Northamptonshire, UK - Antony Denman</i>	
13.05	13.10	<i>Bioinformatics analysis of complex DNA-sequencing data to assess microbial diversity in geological radioactive waste disposal environments - Valerie van Eesbeek</i>	
<b>13.30</b>	<b>15.30</b>	<b>Young Professional Award 1 - Chairs: Infantino &amp; Suter</b>	<b>WA</b>
13.30	13.50	<i>Clarita Saldarriaga Vargas (BVS/ABR)</i>	
13.50	14.10	<i>Cristian Candela - Juan (SEPR)</i>	
14.10	14.30	<i>Daria Yu Usupzhanova (Russian Society)</i>	
14.30	14.50	<i>Joanne van Abbema (NVS)</i>	
14.50	15.10	<i>Sara Vichi (AIRP)</i>	
15.10	15.30	<i>Marion Piepenbrock (FS)</i>	
<b>15.30</b>	<b>16.00</b>	<b>BREAK</b>	

**THURSDAY, JUNE 7TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>15.30</b>	<b>16.00</b>	<b>Poster pitches</b>	
		<b><i>Radioecology - Chair: Welbergen</i></b>	<b>Alexia</b>
15.35	15.40	Fate of Radionuclide 14C In Soil-Plant-Atmosphere Continuum: Uptake of Soil 14C Into Plants - Soroush Majlesi	
15.40	15.45	RADIOECOLOGY OF TRITIUM IN SEWAGE WATER DISCHARGES OF A LANDFILL IN NORTHERN GERMANY - Rainer Gellermann	
15.45	15.50	Characterization of scattered radiation field in interventional radiology theatres - Marie Nowak	
		<b><i>Occupational - Chair: Leijen</i></b>	<b>Ariane</b>
15.35	15.40	New software to integrate uncertainty in the optimisation of monitoring for internal contamination - Estelle Davesne	
15.40	15.45	Personal neutron monitoring at the Paul Scherrer Institute - Eduardo Yukihiro	
15.45	15.50	Uncertainty estimation of thyroid activity measurements and its consequences in dose assessment - Anna Pantya	
<b>16.00</b>	<b>17.40</b>	<b>Young Professional Award 2 - Chairs: Kabrt &amp; van den Eeden</b>	<b>WA</b>
16.00	16.20	<i>Hannah Wiedner (ÖVS)</i>	
16.20	16.40	<i>Anna Kelaranta (Nordic Society)</i>	
16.40	17.00	<i>Alex Nicholson (SRP)</i>	
17.00	17.20	<i>Nadia Benabdallah (SFRP)</i>	
17.20	17.40	<i>Anna Michaelidesová (Czech Society)</i>	
<b>17.45</b>	<b>19.15</b>	<b>IRPA Young Generation Network Session</b>	<b>WA</b>
<b>19.30</b>	<b>24.00</b>	<b>Diner</b>	<b>Atlantic</b>

**FRIDAY, JUNE 8TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
<b>08.00</b>	<b>08.30</b>	<b>Welcome coffee</b>	<b>Maxima / Lobby 1</b>
<b>08.30</b>	<b>09.50</b>	<b>Scientific presentations</b>	
		<b><i>Regulation &amp; Legislation - chairs: Outola &amp; Vermeulen</i></b>	<b>WA</b>
08.30	08.50	How Regulators Assess Radiological Protection For New Build - Paul Butler	
08.50	09.10	Optimisation of Radiation Protection (ALARA): a Guidebook - Fernan Vermeersch	
09.10	09.30	GRADED APPROACH TO THE IMPLEMENTATION OF THE EUROPEAN BASIC SAFETY STANDARDS IN THE NETHERLANDS - Frans van de Put	
09.30	09.50	Benchmarking the staffing level of radiation protection departments: a comparison between the Netherlands and the US. - Peter Görts	
		<b><i>NORM &amp; Decommissioning - chairs: Fenton &amp; van de Put</i></b>	<b>Oceania Foyer</b>
08.30	08.50	Options for NORM waste management in mining industry - Boguslaw Michalik	
08.50	09.10	Lessons learned midway through the implementation of the Radium Action Plan 2015-2019 in Switzerland - Christophe Murith	
09.10	09.30	Application of an artificial neural network for evaluation of activity concentration exemption limits in NORM industry - Hannah Wiedner	
09.30	09.50	Cyclotron decommissioning at the Vrije Universiteit Amsterdam "The beginning of the end" - Andy van Driel	
		<b><i>Waste management - chairs: Shinkarev &amp; van der Schaaf</i></b>	<b>Oceania</b>
08.30	08.50	Management of radioactive waste in the Netherlands - Jeroen Welbergen	
08.50	09.10	Dose Rate Estimations and Potential Exposure Situations for Incorporation of Tritium from Gaseous Tritium Light Sources (GTLS) - Matthias Rizzi	
09.10	09.30	International Network of Laboratories for Nuclear Waste Characterization IAEA-LABONET - Facts and Future - Leo van Velzen	
09.30	09.50	Clearance from regulatory control in Switzerland of CERN's radioactive waste - Charlotte Duchemin	
<b>09.30</b>	<b>11.40</b>	<b>IRPA Workshop: Public Understanding of Radiation Risk</b>	<b>Europe</b>
		Work of the IRPA TG on public understanding of radiation risk and towards guiding principles for IRPA communication and engagement with the public - Tanja Perko	
		Experiences of engaging with 'non-RP specialist' cohorts with regards to the UK nuclear new build programmes - Pete Bryant	
		Engaging with School Children – Experiences from the SRP Schools Outreach Programme - Pete Cole	
		Panel discussion and Q&A	
<b>09.50</b>	<b>10.20</b>	<b>BREAK</b>	
<b>10.20</b>	<b>11.40</b>	<b>Scientific presentations</b>	

**FRIDAY, JUNE 8TH**

<b>Start</b>	<b>End</b>	<b>What</b>	<b>Where</b>
		<b><i>Security - chairs: Englefield &amp; Deeterink</i></b>	<b>WA</b>
10.20	10.40	Changing the paradigm for radiological terrorism preparedness - Cullen Case	
10.40	11.00	Utilizing Data Patterns in String Measurements to Enhance Radiological Detection Capabilities - Alexander Brandl	
11.00	11.20	Monte Carlo Simulations and Experiments to Detect Radioactive Sources in Steel Scrap - Tobias Hein	
11.20	11.40	Development of Radiation Shielded Vehicle and on-board monitoring system in the Service of Emergency Responders. - János Petrányi	
		<b><i>Environmental &amp; exposure - chairs: Luque &amp; Tijsmans</i></b>	<b>Oceania Foyer</b>
10.20	10.40	Transfer of naturally occurring radionuclides to biota, exposure to man and risk perception – Havard Thorryng	
10.40	11.00	Discharges from NORM industries in Germany: estimate of doses to members of the public - Christian Kunze	
11.00	11.20	Role of environmental impact assessment in regulatory decision making at NORM legacy sites in Norway - Jelena Mrdakovic Popic	
11.20	11.40	What is the radiological/ecological impact of NORM residues and effluents on the environment? - Hildegard Vandenove	
		<b><i>Miscellaneous - Chairs: Grimbergen &amp;</i></b>	<b>Oceania</b>
10.20	10.40	Clearance levels for surface-contaminated objects leaving a nuclear facility: preliminary results - Federica Russo	
10.40	11.00	Improving personal dosimetry of medical staff wearing radioprotective garments: design of a new whole-body dosimeter using Monte Carlo simulations - Clarita Saldarriaga Vargas	
11.00	11.20	Preliminary validation of the MC-GPU Monte Carlo code against PENELOPE/penEasy code system for interventional radiology and cardiology - Mercè Ginjaume	
11.20	11.40	Results of the EURADOS intercomparison IC2016 on whole body photon dosimeters - Tom Grimbergen	
<b>11.40</b>	<b>12.10</b>	<b>BREAK</b>	
<b>12.10</b>	<b>13.45</b>	<b>Keynote speakers - Chairs: Roobol &amp; Coates</b>	<b>WA</b>
		<i>New developments in the production of radionuclides - Antonia Denkova</i>	
		<i>Advances in personal dosimetry - Filip Vanhavere</i>	
		<i>Closing session: summary on the topic of the congress - Roger Coates</i>	
<b>13.45</b>	<b>14.15</b>	<b>Closing ceremony - Chair: Boersma</b>	
		IRPA 15 - Jong Kyung Kim	
		6th European regional IRPA congress 2022 - to be determined	
		Young Professional Award - Alfred Hefner	
		YP public award and farewell - Hielke Freerk Boersma	