

INTERNATIONAL CONFERENCE ON ENVIRONMENTAL RADIOACTIVITY, ENVIRA2021

PROGRAM (online)

Hours are given in the Central European Time (CET) Zone

Honolulu (-11) - Los Angeles (-9) - New York, Ottawa (-6) - Rio de Janeiro (-4) - London (-1)
CET (Paris, Berlin, Vienna,...)

Athens (+1) - Moscow (+2) - Dubai (+3) - New Delhi (+4.30) - Beijing (+7) - Tokyo (+8) - Sydney (+10)

Monday 6/12/2021		
8.00-8:30		Conference Opening <i>Chair: Alexandra Ioannidou, Pavel Povinec</i>
8.00		WELCOME

Monday 6/12/2021		
8:30-13:00	Speakers (invited speakers in bold)	Fukushima Accident – 10 years after <i>Chair: P. Povinec, T.M. Nakanishi, K. Hirose</i>
8:30	Katsumi Hirose, <i>Laboratory for Environmental Research at Mount Fuji, Tokyo</i>	Ten years of investigations of Fukushima radionuclides in the environment.
9:00	Tomoko M. Nakanishi, <i>The University of Tokyo & Hoshi University, Tokyo</i>	What has been found in these ten years to agriculture and environment by Fukushima nuclear accident.
9:30	Michio Aoyama, <i>University of Tsukuba, Tsukuba</i>	10 years long-range transport of radiocesium derived from Fukushima accident in the surface layer and ocean interior in the North Pacific Ocean.
10:00	Daisuke Tsumune, <i>Central Research Institute of Electric Power Industry, Abiko</i>	Verification of sources of ¹³⁷Cs from Fukushima Daiichi nuclear power plant accident to ocean by higher resolution ocean dispersion simulation.
10:30	Yutaka Tateda, <i>Central Research Institute of Electric Power Industry, Abiko, Chiba</i>	Determining factors of radio-caesium bio-kinetics in rockfish off Fukushima.
11:00	Jian Zheng, <i>National Institute of Radiological Sciences, Chiba</i>	Pu levels in the environment after the Fukushima accident.
11:30	Hyo Takata, <i>Fukushima University, Fukushima</i>	Contribution of rivers to temporal change of radiocesium concentration in the marine environment.
12:00	Shigeyoshi Otsuka, <i>University of Tokyo, Kashiwa</i>	Radiocaesium in the seafloor off Fukushima.
12:30	A. J. Timothy Jull, <i>University of Arizona & ATOMKI, Debrecen, Tucson, AZ</i>	Search for a Fukushima signal in ¹²⁹I in coastal Pacific Ocean waters from North America.
13:00-13:30 Lunch/Coffee		
13:30-14:30	Poster session - 1	See the Poster Program

Monday 6/12/2021		
14:30-17:30	Speakers (invited speakers in bold)	Fukushima (session 2) & Chernobyl Accidents <i>Chair: J. Kaizer, M. Aoyama, K. Rozov</i>
14:30	Michio Aoyama , <i>University of Tsukuba, Tsukuba</i>	Transport of radiocesium from the North Pacific Ocean into the Sea of Japan via the East China Sea.
14:50	Jakub Kaizer , <i>Comenius University, Bratislava</i>	Co-precipitation and determination of seawater radiocesium and plutonium offshore Fukushima.
15:10	Mengting Zhang , <i>Institute of Earth Environment, Xi'an</i>	Iodine-129 in the western South China Sea: distribution, migration and its tracer application for water circulation.
15:30	Konstantin Rozov , <i>Institute of Environmental Geology, St. Petersburg</i>	Developing a long-term model of the changes in the Fukushima debris properties during interaction with aqueous solutions.
15:50	Yanxia Cheng , <i>Sichuan University, Chengdu</i>	Uranium biomineralization induced by green algae: Behavior investigation and mechanism probe.
16:10	Tatiana Poliakova , <i>Lomonosov Moscow State University, Moscow</i>	Chernobyl "hot" particle stability depending on fuel burnup and Zr-U composition.
16:30	Natalia Kuzmenkova , <i>Lomonosov Moscow State University, Moscow</i>	Simultaneous separation of actinides and technetium from large volumes of natural water for environmental monitoring.
16:50	Norbet Kavasi , <i>Jožef Stefan Institute, Ljubljana</i>	Difficulties of ⁹⁰Sr determination in environmental samples contaminated by the Fukushima accident.
17:10	Jing Chen , <i>Radiation Protection Bureau, Health Canada, Ottawa</i>	Summary report of radioactivity concentration measurements in fish samples collected from the west coast of Canada after the Fukushima accident.

Tuesday 7/12/2021		
8:00-11:30	Speakers (invited speakers in bold)	Marine Radioactivity <i>Chair: G. Lujaniené, Y. Kumamoto, C. Tsabaris</i>
8:00	Florence Descroix-Comanducci , <i>IAEA, Monaco</i>	60 years of marine environment research and development.
8:30	Katsumi Hirose , <i>Laboratory for Environmental Research at Mount Fuji, Tokyo</i>	Temporal variability of plutonium in surface waters in the Sea of Japan.
8:50	Yuichiro Kumamoto , <i>JAMSTEC, Yokosuka</i>	Radiocesium in the western subarctic area of the North Pacific Ocean, Bering Sea, and Arctic Ocean in 2019 and 2020.
9:10	Galina Lujaniené , <i>Center for Physical Sciences and Technology, Vilnius</i>	²⁴¹Am and Pu isotopes in the Curonian Lagoon and the south-eastern Baltic Sea (Lithuanian zone).
9:30	Mu Lin , <i>Technical University of Denmark, Roskilde</i>	Multi-tracer approach to estimate water-mass composition in the North Baltic Sea Transition Zone.
9:50	Christos Tsabaris , <i>Hellenic Centre for Marine Research, Anávyssos</i>	Distribution of dissolved radionuclides at Eastern Mediterranean Sea in case of hypothetical accident at the Akkuyu Nuclear Power Plant.
10:10	Petros Leivadarios , <i>Hellenic Centre for Marine Research, Anávyssos</i>	Using ¹³⁷Cs as a tracer for water mass identification in the Aegean Sea.
10:30	Jinlong Wang , <i>East China Normal University, Shanghai</i>	Distribution of Pu-239 and Pu-240 in the Eastern Chinese seas and its implications in the qualification of oceanic-derived species.
10:50	Gang Lin , <i>Technical University of Denmark, Roskilde</i>	Tracing Atlantic water transit time and transport pathway using ⁹⁹Tc-²³³U-²³⁶U in the North Atlantic-Arctic transition region.
11:10	Han Xiaoxiao , <i>Soochow University, Suzhou</i>	Distribution of ²³⁷Np, ^{239,240}Pu and ²⁴¹Am in the Yangtze River estuary.

Tuesday 7/12/2021

Tuesday 7/12/2021		
11:30-13:00	Speakers (invited speakers in bold)	Cosmogenic Radionuclides Chair: A.J.T. Jull, J. Masarik
11:30	Jozef Masarik, <i>Comenius University, Bratislava</i>	Numerical simulation of particle fluxes and production of cosmogenic nuclide in the Earth's atmosphere.
12:00	Lukas Wacker, <i>ETH Zurich, Zurich</i>	Radiocarbon in tree-rings reveals the solar 11-yr cycle over the last millennium.
12:30	Walter Kutschera, <i>University of Vienna, Vienna</i>	On the date of the Minoan eruption of Santorini - will the debate ever end?
13:00-13:30 Lunch/Coffee		
13:30-14:30	Poster session - 2	See the Poster Program

14:30-17:30		
Speakers	Terrestrial Radioactivity Chair: X. Zhao, R. Garcia-Tenorio, S. Mancini	
14:30	Rafael Garcia-Tenorio, <i>University of Seville, Seville</i>	Challenges in the radiometric characterization of NORM materials.
14:50	Xue Zhao, <i>Institute of Earth Environment, Xi'an</i>	Plutonium isotopes in the Qinghai-Tibet Plateau: sources, and their environmental behaviors.
15:10	Swati Thakur, <i>Indian Institute of Technology, Rupnagar, Punjab</i>	Study of ambient background and environmental radioactivity using ILMI.
15:50	Prasoon Raj, <i>Emirates Nuclear Technology Center, Abu Dhabi</i>	First estimation of NORM concentration ratios in Abu Dhabi date palms
16:10	Simona Mancini, <i>University of Salerno, Fisciano</i>	A strategy for the radon assessment based on indicators.
16:30	Lv. Lidan, <i>University of South China, Hengyang, Hunan</i>	Performance test of radon exhalation rate standard facility with unconsolidated medium surfaces.
16:50	Kailas S. Banerjee, <i>University of West Indies, Trinidad and Tobago</i>	Variation in terrestrial gamma radiation flux before and after a Mud-volcano eruption – Piparo Mud-volcano in Trinidad and Tobago.
17:10	Maria A.V. Wasserman, <i>Instituto de Radioproteção e Dosimetria, Rio de Janeiro</i>	Application of Deep Neural Networks to forecast ⁶⁰Co soil to plant transfer factor values based in pedological parameters.

Wednesday 8/12/2021		
8:00-10:50	Speakers (invited speaker in bold)	Radionuclide Tracers <i>Chair: G. Steinhauser, O. Masson, A. Ioannidou</i>
8:00	Olivier Masson, <i>IRSN, Saint-Paul-lez-Durance, Fontenay aux Roses</i>	Europe-wide atmospheric radionuclide dispersion from wildfires in the Chernobyl area, April 2020.
8:30	Jussi Paatero, <i>Finnish Meteorological Institute, Helsinki</i>	Airborne fission products in Finland – Cases of Fukushima and ruthenium-106.
8:50	Luyuan Zhang, <i>Institute of Earth Environment, Xi'an</i>	Analysis of aerosols and gaseous iodine-129 in environmental atmosphere.
9:10	N. Alegria, <i>University of the Basque Country, Bilbao,</i>	Analysis of gross alpha activity, gross beta activity and beryllium-7 activity concentration in airborne samples and meteorological influence in Bilbao (Spain).
9:30	Yukun Fan, <i>Institute of Earth Environment, Xi'an</i>	Preliminary study of ¹²⁹I dating of terrestrial sediments.
9:50	Pavel Povinec, <i>Comenius University, Bratislava</i>	Climate changes: a comparison of natural and anthropogenic sources using isotope tracers.
10:10	Renata Kierepko, <i>Institute of Nuclear Physics, Krakow</i>	From anti-smog resolution to nuclear incidents. Information that we can obtain from analyzes of total atmospheric precipitation.

Wednesday 8/12/2021

Wednesday 8/12/2021		
10:50-13:00	Speakers (invited speaker in bold)	Progress in Environmental Radioactivity Studies Chair: G. Wallner, X. Hou
10:50	Xiaolin HOU , <i>Institute of Earth Environment, Xi'an</i>	Level, distribution and sources of anthropogenic radionuclides in China, a new investigation.
11:20	Gabriele Wallner , <i>University of Vienna, Vienna</i>	Determination of $^{236}\text{U}/^{238}\text{U}$ and $^{240}\text{Pu}/^{239}\text{Pu}$ atom ratios in lung ashes from Vienna, Austria, for the years 1961-65.
11:40	José A. Corcho Alvarado , <i>Spiez Laboratory, Spiez</i>	Ultratrace analysis of radionuclides in ice samples: a case study in the Gault Glacier (Switzerland).
12:00	Carlo Sabbarese , <i>Università Vanvitelli, Caserta</i>	High sensitivity radionuclide analysis in water matrices for environmental assessment.
12:20	Feng Lin , <i>Third Institute of Oceanography, Ministry of Natural Resources, Xiamen</i>	Variation of particle mixing rates in sediment cores from the polymetallic nodule area in the eastern Pacific: evidence from ^{210}Pb excess.
12:40	Michaela Bodová , <i>State Office for Nuclear Safety, Prague</i>	Radiation monitoring network in the Czech Republic.
13:00-13:30 Lunch/Coffee		
13:30-14:30	Poster session - 3	See the Poster Program

Environmental Radioactivity Studies and Modeling Chair: P.V. Slastikhina, S. Li		
14:30-16:30	Speakers	Environmental Radioactivity Studies and Modeling Chair: P.V. Slastikhina, S. Li
14:30	Shunzhang Chen , <i>Sichuan University, Chengdu</i>	Simultaneous reduction and phosphate mineralization of uranium in <i>Bacillus Thuringiensis</i>.
14:50	Qiaohui Fan , <i>Northwest Institute of Eco-Environment and Resources, Lanzhou</i>	Interaction mechanism of radiocesium on Beishan granite: EXAFS and modeling studies.
15:10	Sixuan Li , <i>Peking University, Beijing</i>	Modelling the migration of plutonium in soils in China.
15:30	Polina V. Slastikhina , <i>Khlopin Radium Institute, Saint Petersburg</i>	Aging behavior of simulated MCCI products in water solutions at different conditions.
15:50	Tu Lan , <i>Sichuan University, Chengdu</i>	Mechanistic insights into the folding and aggregation of HA and its interaction with uranyl in the presence of hydrophobic/amphiphilic surface using molecular dynamics simulations.
16:10	Dayin Tong , <i>Xi'an Jiaotong University, Xi'an</i>	Adsorption mechanism of methyl iodide by COF-DL229: A periodic DFT study.

Thursday 9/12/2021		
8:00-12:00	Speakers (invited speakers in bold)	Recent Developments in Analytics <i>Chair: M. Jeřkovský, S. Nisi</i>
8:00	Michael Hotchkis , <i>Australian Nuclear Science and Technology Organisation, Lucas Heights</i>	Plutonium analysis in the attogram range by accelerator mass spectrometry.
8:30	Elena Chamizo , <i>Centro Nacional de Aceleradores, Sevilla</i>	The ²³³U/²³⁶U atom ratio as a tool to distinguish anthropogenic U sources and its application as an oceanographic tracer in the Arctic Ocean.
9:00	Martin Martschini , <i>University of Vienna, Vienna</i>	Ion Laser InterAction Mass Spectrometry - providing utmost isotope abundance sensitivity for long-lived fission products.
9:20	Yun-Chong , <i>Institute of Earth Environment, Xi'an</i>	Study of ¹⁰Be/⁷Be analysis method using accelerator mass spectrometry.
9:40	Miroslav Jeřkovský , <i>Comenius University, Bratislava</i>	Development of accelerator mass spectrometry methods for analysis of U-238 and Th-232 in construction materials of detectors operating deep underground.
10:00	Stefano Nisi , <i>LNGS-INFN, Assergi</i>	Study of secular equilibrium in natural decay chains combining γ-ray spectrometry and inductively coupled plasma mass spectrometry.
10:20	Xiaolin Hou , <i>Technical University of Denmark, Riso</i>	Rapid determination of ¹²⁶Sn in spent ion exchange resin by chemical separation and triple quadrupole inductively coupled plasma mass spectrometry measurement.
10:40	Xiongxin Dai , <i>China Institute for Radiation Protection, Taiyuan</i>	Rapid analysis of polonium-210 for environmental applications.
11:00	William Kieser , <i>University of Ottawa, Ottawa</i>	New applications of fluoride target matrices in the analysis of radioisotopes by accelerator mass spectrometry.
11:20	Coralie Carrier , <i>IRSN, Saint-Paul-lez-Durance, Le Vesinet</i>	Development of new low-level iodine-129 analysis method applied to the understanding of iodine's transfer mechanisms in the environment.

Thursday 9/12/2021		
12:00-13:10	Speakers (invited speaker in bold)	Reference Materials <i>Chair: S.-H. Lee, V. Jobbagy</i>
12:00	Ken G.W. Inn , <i>K&E Inn Ovations, Inc., Ewa Beach, Hawaii</i>	Radiochemical measurement uncertainties & correlations – Phase II [Deeper into the Rabbit Hole] .
12:30	Sang-Han Lee , <i>KRISS, Daejeon</i>	Development of concrete reference materials (RM) for quality assurance of radioactivity measurement for nuclear power plant decommissioning waste.
12:50	Viktor Jobbagy , <i>EC, Joint Research Centre, Geel</i>	Status update of gross alpha/beta activity determination in drinking water after a European wide proficiency test in 2020.
13:00-13:30 Lunch/Coffee		
13:30-14:30	Poster session - 4	See the Poster Program
14:30-17:50	Speakers	Developments in Radioanalytics <i>Chair: F. Fan, N. Chipanovska, A. Ioannidou</i>
14:30	Ari Lehmusvuori , <i>HIDEX Oy, Turku</i>	Automated radionuclide extraction chromatography instrument for LSC sample preparation.
14:50	Saroa Rozas Guinea , <i>University of the Basque Country, Bilbao</i>	Quality assurance of C-14 measurements in environmental samples.
15:10	Natasha Chipanovska , <i>Jožef Stefan Institute, Ljubljana</i>	Validation protocol for determination of ¹⁴C with the use of CO₂ direct absorption method.
15:30	Yonggang Yang , <i>China Institute for Radiation Protection, Taiyuan</i>	A method of determination of gross alpha and beta activity in seawater samples by alpha/beta discrimination liquid scintillation counting technique.
15:50	Concepción Olondo , <i>UPV/EHU, Bilbao</i>	Alpha spectrometry: avoiding recoil contamination of solid-state alpha detectors.
16:10	Alejandro Barba-Lobo , <i>University of Huelva, Huelva</i>	A new methodology to determine natural radionuclides by gamma-ray spectrometry using a general efficiency function corrected due to self-absorption effects.
16:30	Fuyou Fan , <i>National Institute of Metrology, Beijing</i>	Production of Po-209 by ²⁰⁹Bi(p,n)²⁰⁹Po and the separation of Po from Bi-Cu target.
16:50	Yueying Wen , <i>Shanghai Jiao Tong University, Shanghai</i>	Study on the selective adsorption of Pd(II) using silica based hexacyanoferrates.
17:10	Mao Cong <i>Shanghai Jiao Tong University, Shanghai</i>	Study on Synthesis of the phosphonate functionalized mesoporous silicas and its adsorption property for REEs.

Friday 10/12/2021

Friday 10/12/2021		
8:00-10:00	Speakers	Progress in Radioecology <i>Chair: P. Bossew, A.-R. Harbottle</i>
8:00	J.L. Guerrero, <i>University of Huelva, Huelva</i>	Spatio-temporal evolution of U- and Th-isotopes in a highly polluted creek by acid mine drainage.
8:20	Andra-Rada Harbottle, <i>IAEA, Vienna</i>	New IAEA Coordinated Research Project (CRP) on Transfer of Radionuclides in Arid and Semi-Arid Environments for Radiological Environmental Impact Assessment (K41022).
8:40	Efem Bilgic, <i>Dokuz Eylul University, Izmir</i>	Analysis of potential impacts of a hypothetical accident in Metsamor Nuclear Power Plant on Turkey.
9:00	Marina Poje Sovilj, <i>University of J.J. Strossmayer in Osijek, Osijek</i>	Estimation of the annual public exposure to radon in drinking water in Croatia.
9:20	Chau Nguyen Dinh, <i>AGH University of Science and Technology, Krakow</i>	Uranium, radium and polonium isotopes in several selected thermal waters in North Vietnam.

10:00-11:00	Poster session - 5	See the Poster Program
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Progress in Radioecology 2 <i>Chair: J.W. Mietelski, M. Garcia-Leon</i>		
11:00-13:00	Speakers	
11:00	Yixuan Liu, <i>Institute of Earth Environment, Xi'an</i>	Evaluation of soil erosion in a gully region of the middle loess plateau using plutonium.
11:20	Maksim Ivanov, <i>Lomonosov Moscow State University, Moscow</i>	Application of depth increment unshielded field gamma-spectrometric survey to assess the intensity of sedimentation in a zone of intense radioactive contamination.
11:40	Violeta Hansen, <i>Aarhus University, Roskilde</i>	Background concentrations of naturally occurring radionuclides in Greenland and dose assessment.
12:00	Suk-Hyun Kim, <i>Korea Institute of Ocean Science and Technology, Busan</i>	Accumulation and depuration of ¹³⁷Cs and other selected radioactive substances by oyster and flounder.
12:20	Jerzy W. Mietelski, <i>Institute of Nuclear Physics, Krakow</i>	On a risk of actinides inhalation during visits in Chernobyl zone.

Friday 10/12/2021		
13:00-13:30	Speakers	Closing Ceremony <i>Chair: P. Povinec, A. Ioannidou</i>
13:00	Pavel Povinec	Summary of the Conference
13:10	Alexandra Ioannidou	Student awards for the best Oral and Poster presentations
13:15	Manuel Garcia-Leon	ENVIRA2023

Monday 6/12/2021		
<p style="text-align: center;"><i>Marine radioactivity-</i> <i>Ten years of investigations of Fukushima radionuclides</i> Chair: Ch. Tsabaris, A. Ioannidou</p>		
13:30-14:30	Klaudia Block-Łaszewska <i>University of Gdańsk, Gdańsk</i>	<u>^{210}Po and ^{210}Pb in the bottom sediments of the southern Baltic Sea</u>
13:30-14:30	Klaudia Block-Łaszewska <i>University of Gdańsk, Gdańsk</i>	<u>Gamma emitting radionuclides in diet supplements of marine origin</u>
13:30-14:30	X. Wang <i>Beibu Gulf University, Tianjin</i>	<u>Variations of Atmospheric Depositional Fluxes of ^7Be and ^{210}Pb at the coast of Maowei Sea, Beibu Gulf, China and Their Environmental Significance</u>
13:30-14:30	Almira Aidarkhanova <i>Branch 'Institute of Radiation Safety and Ecology' of the NNC RK, Kurchatov</i>	<u>The character of radionuclide contamination of natural lakes at the territory of the Semipalatinsk test site</u>
13:30-14:30	Adriana de Souza Medeiros Batista <i>Universidade Federal de Minas Gerais, Belo Horizonte</i>	<u>Fukushima Accident: impact on R&D, environmental monitoring and dosimetry</u>
13:30-14:30	Junwen Wu <i>Shantou University, Guangdong</i>	<u>Distribution and impact of plutonium originating from Fukushima Daiichi Nuclear Power Plant accident in the environment: an overview of a decade studies</u>
13:30-14:30	Mutsuo Inoue <i>Low Level Radioactivity Laboratory, Kanazawa University, Kanazawa</i>	<u>Spatial distribution of ^{134}Cs concentration in the southwestern Sea of Okhotsk in 2019–2021</u>
13:30-14:30	Yutaka Tateda <i>Central Research Institute of Electric Power Industry, Chiba</i>	<u>Determining factors of radio-cesium behavior in marine organism before and after the Fukushima accident</u>
13:30-14:30	Chiara Cantaluppi <i>ICMATE-CNR, Padova</i>	<u>Four years study of radionuclides in fishing products arising from main FAO fishing areas</u>
13:30-14:30	Dr. Sharayu Kasar <i>National Institutes for Quantum Science and Technology, Chiba</i>	<u>^{236}U and ^{238}Pu concentrations in soils affected by Fukushima Dai-ichi Nuclear Power Station accident</u>
13:30-14:30	Ning Chen <i>Institute of Earth Environment, Chinese Academy of Sciences, Shaanxi</i>	<u>Iodine isotopes in precipitation in Xi'an, China after 2011 Fukushima nuclear accident</u>
13:30-14:30	Pavel Povinec <i>Comenius University, Bratislava</i>	<u>Tritium and radiocarbon in surface waters of the Red Sea</u>

Tuesday 7/12/2021		
Terrestrial radioactivity		
Chair: D. Patiris, A. Ioannidou		
13:30-14:30	Antonio Oliver Ramon <i>University of the Balearic Islands, Palma</i>	Underground water natural radioactivity in Mallorca (Spain)
13:30-14:30	Itzhak Orion <i>Ben-Gurion University of the Negev, Beer-Sheva</i>	Thorium and Radon Radioactive Half-Life Affected by Solar Flares
13:30-14:30	Prasoon Raj <i>Emirates Nuclear Technology Center (ENTC), Khalifa University, Abu Dhabi</i>	Determination of soil-to-plant transfer factors in UAE vegetables, artificially spiked with salts of caesium-133 and strontium-88 – a pilot study.
13:30-14:30	Andrey Panitskiy <i>Institute of Radiation Safety and Ecology, of National Nuclear Center of Kazakhstan, Kurchatov</i>	Nature of distribution of radionuclides in the vertical soil profile of Semipalatinsk Test Site
13:30-14:30	Assiya Kunduzbayeva <i>Institute of Radiation Safety and Ecology, of National Nuclear Center of Kazakhstan, Kurchatov</i>	Research into the vertical distribution of ¹³⁷Cs, ²⁴¹Am speciation in soils of test places of radiological warfare agents.
13:30-14:30	Sixuan Li <i>Department of Physics, Peking University, Beijing</i>	Level and distribution of plutonium in surface soils cross China: a review
13:30-14:30	Zhao Huang <i>Xi'an AMS Center, Institute of Earth Environment, Chinese Academy of Sciences, Xi'an</i>	Sources and transmission of uranium isotopes in surface soil in Northeast China
13:30-14:30	Pavel Krivitskiy <i>Branch 'Institute of Radiation Safety and Ecology' RSE NNC RK, Kurchatov</i>	Current radiological situation at venues of nuclear tests of 'Sary-Uzen' site
13:30-14:30	N.V. Larionova <i>Instit. Pf Radiation Safety and Ecology, Kurchatov</i>	Transfer factors of artificial radionuclides to plants for conventionally 'background' areas at the Semipalatinsk test site
13:30-14:30	Qiaoyan Jing <i>School of Physical Science and Technology, Guangxi University, Nanning</i>	Responses of moss to air radioactive pollution in karst landform of Leye, Guangxi
13:30-14:30	Shenzhen Wang <i>School of Physical Science and Technology, Guangxi University, Nanning</i>	Source and migration of plutonium isotopes in the West Lao-Ye-Ling Mountain, Northeast China
13:30-14:30	Krzysztof Gorzkiewicz <i>Institute of Nuclear Physics Polish Academy of Sciences, Krakow</i>	Gamma-ray emitting isotopes in ground level air at Marambio and Aboa, Antarctica
13:30-14:30	Ivana Vukašinović <i>Univ. of Belgrade Faculty of Agriculture, Belgrade</i>	Analysis of ²³⁸U, ²²⁶Ra and ²¹⁰Pb transfer factors from soil to the leaves of broadleaf tree species
13:30-14:30	Chrysoula Betsou <i>Aristotle University of Thessaloniki, Thessaloniki</i>	In-situ and laboratory gamma spectrometry measurements for the radiological characterization of a contaminated area near a coal power plant in Northern Greece
13:30-14:30	Ping Xu <i>University of Science and Technology of China, China</i>	Analysis for Radioactivity of Negative Ion Powder

Wednesday 8/12/2021		
Progress in environmental radioactivity studies Chair: Ch. Betsou, A. Ioannidou		
13:30-14:30	Grzegorz Olszewski <i>Univ. of Gdańsk, Faculty of Chemistry, Lab. of Toxicology and Radiation Protection, Gdańsk</i>	Development of ^{148}Gd analysis using stable Gd
13:30-14:30	Katerina Pachnerova-Brabcova <i>Nuclear Physics Institute of the CAS, Prague</i>	Radiocarbon dating of charcoals in the mortars of three Czech castles
13:30-14:30	Vojtěch Valášek <i>Nuclear Physics Institute of the CAS, Prague</i>	Radionuclides in ivory chronology research
13:30-14:30	Tobias Blenke <i>Institute of Radioecology and Radiation Protection, Leibniz University, Hannover</i>	Determination of $^{135}\text{Cs}/^{137}\text{Cs}$ Isotopic Ratios in Radioactively Contaminated Environmental Samples
13:30-14:30	Antoaneta Angelova <i>National Centre of Radiobiology and Radiation Protection, Sofia</i>	Investigations on indoor radon in kindergartens (Montana district, Bulgaria)
13:30-14:30	Desislava Djunakova <i>National Centre of Radiobiology and Radiation Protection, Sofia</i>	Indoor radon concentration of school buildings in Varna district, Bulgaria
13:30-14:30	Gabriele Wallner <i>Inst. Of Inorganic Chemistry, University of Vienna, Vienna</i>	Retrospective determination of fallout radionuclides and $^{236}\text{U}/^{238}\text{U}$ and $^{240}\text{Pu}/^{239}\text{Pu}$ atom ratios on air filters from Vienna and Salzburg, Austria
13:30-14:30	Peng Cheng <i>Institute of Earth Environment, Chinese Academy of Science</i>	Spatial and temporal variation of ^{14}C recorded in the Chinese tree
13:30-14:30	Deyu Wang <i>School of Physical Science and Technology, Guangxi University, Nanning,</i>	Vertical distribution and migration behavior of Pu in Loess Plateau in northwestern China
13:30-14:30	Jinmin Cai <i>Shenzhen Prevention and Treatment Center for Occupational Diseases, Shenzhen</i>	Monitoring of atmospheric deposition of naturally occurred ra-dionuclides around Shenzhen, China
13:30-14:30	Wang Yanyun <i>School of nuclear science and technology, Lanzhou University</i>	Sources and the distribution of ^{129}I in the surface soil in the Northeast China
13:00-14:30	Qiaohui Fan <i>Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou</i>	Interaction mechanism of radiocesium on Beishan granite: EXAFS and Modeling Studies
13:30-14:30	Huisu Lee <i>Korea Institute of Ocean Science and Technology (KIOST), Busan</i>	Accumulations of artificial radionuclides ^{137}Cs and $^{239,240}\text{Pu}$ in anchovy from the Korean seas

Thursday 9/12/2021		
Recent developments in analytical technologies		
Chair: D. Patiris, F. Pappa		
13:30-14:30	Yihong Xu <i>Anhui Normal University, Wuhu</i>	Rapid determination of plutonium isotopes in small samples using single anion exchange separation and ICP-MS/MS measurement in NH₃-He mode for sediment dating
13:30-14:30	Maoyi Luo <i>China Institute for Radiation Protection, Taiyuan</i>	Determination of Ultra-low Level of ^{239, 240}Pu in Plant Samples by Compact Accelerator Mass Spectrometry
13:30-14:30	Shan Xing <i>China Institute for Radiation Protection, Taiyuan</i>	Reduction and carrier using TiCl₃ for rapid determination of ⁹⁹Tc in water samples by TDCR liquid scintillation counting
13:30-14:30	Mavrikis Dimitrios <i>National Centre for Scientific Research "Demokritos", Athens</i>	Measurement technique for release of spent Co-57 and Ge-68/ Ga-68 sealed radioactive sources
13:30-14:30	Yang Wu <i>China Institute for Radiation Protection, Taiyuan</i>	Direct search of primordial Pu-244 in bastnaesite
13:30-14:30	Ji-Young, Park <i>Korea Atomic Energy Research Institute, Daejeon</i>	Rapid and automative separation of Pu, Am, U, Th isotopes in sediment
13:30-14:30	Jialin Liu <i>Institute of Earth Environment, China Academy of Sciences, Shaanxi</i>	Study on speciation analysis of iodine isotopes (¹²⁷I and ¹²⁹I) in soil
13:30-14:30	Tamás Varga <i>Institute for Nuclear Research, Debrecen</i>	Radiocarbon dating of wines in Debrecen, Hungary
13:30-14:30	Galina Lujanienė <i>Department of Environmental Research, SRI Center for Physical Sciences, Vilnius and Technology, Vilnius</i>	Study of Cs, Co and Eu sorption on chitosan-based nanocomposites
13:30-14:30	Ivan Y. Myasnikov <i>Vernadsky Institute, Moscow</i>	Tetravalent uranium determination technique in the environment components by luminescence: design and perspectives
13:30-14:30	Almira Aidarkhanova <i>Branch 'Institute of Radiation Safety and Ecology' of the NNC RK, Kurchatov</i>	Assessment of the impact of Semipalatinsk test site on the radioecological state of the transboundary Irtysh river
13:30-14:30	N. Kuzmenkova <i>Lomonosov Moscow State University</i>	Plutonium in soils and bottom sediments of Mount Khuko (Western Caucasus)
13:30-14:30	N. Alegría <i>Department of Energy Engineering, University of the Basque Country, Bilbao</i>	Regional and local surface winds influencing alpha peak activity concentrations in Bilbao (northern Iberian Peninsula)

Friday 10/12/2021		
Other relevant topics – Radionuclides as tracers of environmental processes Chair: Ch. Tsabaris, F. Pappa		
10:00-11:00	Andrej Vraničar <i>Univ. of Novi Sad, Faculty of Sciences, Novi Sad</i>	Monte Carlo approach for model optimisation of HPGe detector
10:00-11:00	Grzegorz Olszewski <i>University of Gdańsk, Faculty of Chemistry, Lab of Toxicology and Radiation Protection, Gdańsk</i>	Does cooking decrease ²¹⁰Po and ²¹⁰Pb amount in Boletaceae mushrooms meal?
10:00-11:00	Aleksandra Moniakowska <i>University of Gdańsk, Faculty of Chemistry, Lab of Toxicology and Radiation Protection, Gdańsk</i>	The atmospheric fallout impact on ²¹⁰Po content in herbal plant
10:00-11:00	Aleksandra Moniakowska <i>University of Gdańsk, Faculty of Chemistry, Lab of Toxicology and Radiation Protection, Gdańsk</i>	Radiotoxic ²¹⁰Po and ²¹⁰Pb in medicinal mushrooms <i>Wolfiporia cocos</i>.
10:00-11:00	Jovana Nikolov <i>Univ. of Novi Sad, Faculty of Sciences, Novi Sad</i>	Experimental verification of ANGLE 5 software for quantitative gamma spectrometry – a preliminary study
10:00-11:00	Heng Yan <i>Institute of Nuclear Physics & Chemistry, China Academy of Engineering Physics, Mianyang</i>	One-pot Loading Phosphonate Coordination Polymer on Polyethylene Membrane: Separation-assay Combined Method for Uranium in Environmental Water
10:00-11:00	Mohamed Nadri <i>Department of Physics, Lab, École Normale Supérieure de Kouba, Algiers</i>	Beryllium-7 concentrations in Algerian rainwater
10:00-11:00	Kaifeng Wang <i>China Institute of Atomic Energy, University of Grenoble Alpes and CNRS</i>	Corrosion of borosilicate glass under unsaturated conditions
10:00-11:00	Angelos Markopoulos <i>National Center for Scientific Research “Demokritos”, Athens</i>	Non-destructive gamma spectrometry technique on decommissioning by comparing real and simulated with MCNP spectrums
10:00-11:00	Jakub Kvasniak <i>Comenius University, Bratislava</i>	Radiocarbon and heavy metal pollution in tree rings from a clean air region in Slovakia
10:00-11:00	Antoni Borrás <i>Environmental Radioactivity Laboratory, University of the Balearic Islands</i>	Airborne natural gamma radiation associated to PM10 aerosols in Mallorca (Spain)
10:00-11:00	Xuke Liu <i>Institute of Earth Environment, CAS, Prague</i>	Unraveling the process of aerosols secondary formation and removal based on cosmogenic beryllium-7 and beryllium-10

10:00-11:00	Haiting Guo <i>Nanjing University, Nanjing</i>	Sedimentary record of radionuclides in Xingkai Lake in Northeast China and the response to human activities
10:00-11:00	Huan Jiang <i>Xi'an Institute for Innovative Earth Environment Research, Xi'an</i>	¹²⁹I, ¹³⁷Cs and ^{239,240}Pu in Sanyuan sinkhole sediments and their implication in the chronology
10:00-11:00	Eleftheria Ioannidou <i>Aristotle University of Thessaloniki, School of Physics, Nuclear Physics Lab, Thessaloniki</i>	Coupling of radioactivity and elemental composition data in Aerosol transport analysis in Helsinki, Finland – A comparison of two decades.
10:00-11:00	Yoon Yeol Yoon <i>Geologic Environment Division/Korea Institute of Geoscience and Mineral Resources, Daejeon</i>	Tritium and S-35 content variation in precipitation in Korea and its application to groundwater age determination
10:00-11:00	Chrysoula Betsou <i>Aristotle University of Thessaloniki, School of Physics, Nuclear Physics Lab Thessaloniki</i>	Moss bags technique applied for the radiological characterization of an area close to a coal fired plant in Northern Greece during the coal ending era.
10:00-11:00	Dionisis Patiris <i>Hellenic Centre for Marine Research, Anávyssos</i>	Rapid radiometric mapping of coastal areas by means of mobile in situ gamma-ray spectrometry
10:00-11:00	Pavel Povinec <i>Comenisu University, Bratislava</i>	Radiocarbon variations in annual tree rings during 11-yr solar cycles