

CURRICULUM VITAE



PERSONAL INFORMATION

First Name/Surname

GIORGIA CINELLI

Summary

Throughout my studies in Energy and Nuclear Engineering at the University of Bologna, I developed a strong interest in environmental radioactivity and I dedicated my bachelor and master's theses to this research area. In 2009 I enrolled into the PhD programme of Earth Sciences at the University of Bologna. During my PhD I had the opportunity to perform laboratory and field measurements of radioactivity, as well as indoor, outdoor and soil gas measurements for radon detection. Moreover, I increased my knowledge of dosimetry and radiological risks related to the natural radioactivity hazard.

Between 2011 and 2013 I worked at Protex Italia Spa, where I was used to perform radiometric measurements (alpha, beta, gamma, and LSC) and to perform dose evaluation for workers and public exposed to Natural Occurring Radioactive Materials.

Between 2013 and 2021 worked at the Joint Research Centre of the European Commission (EC-JRC), first as Postdoctoral researcher and as Scientific and Project Officer. My duties included the coordination and collaboration in different research and educational projects regarding all aspects of environmental radioactivity. In particular, I coordinated the development and publication of the European Atlas of Natural Radiation, published in December 2019. My duties regarding the Atlas included data collection, mapping and analysis; collaborating with national authorities; organizing meetings and conferences; presenting results to the scientific community; communicating results to policy makers and the public.

Since December 2021 I work as researcher at the National Agency for New Technologies, Energy, and Sustainable Economic Development (ENEA). In particular, I take part in the activities of the Laboratory of Observations and Measurements for the Climate and the Environment.

Moreover, I participate as work package leader in writing, coordinating and managing European research projects. I am involved in the UNSCEAR (United Nations Scientific Committee on the Effects of Atomic Radiation) Public Exposure Project after my nomination as expert has been endorsed. I am member of the Reference Group in the study: "Review and Evaluation of National Radon Action Plans established in EU Member States according to the Requirements of the Council Directive 2013/59/Euratom - the BSS Directive".

I obtained the Italian Ministry of Education, Universities and Research (MIUR)

National scientific qualification to function as associate professor in Italian Universities in SC 09/C2 and 02/D1.

PROFESSIONAL EXPERIENCE

- Dates (from-to)
- Name and address of employer
- Business or sector
 - Occupation
- Main Activities

DECEMBER 2021 TO PRESENT

National Agency for New Technologies, Energy, and Sustainable Economic Development (ENEA), Laboratory of Observations and Measurements for the Climate and the Environment
Via Principe di Granatelli, 24, 90141 Palermo Italy

Research centre

Researcher

I'm involved in the activities of the Laboratory of Observations and Measurements for the Climate and the Environment.

As workpackage leader I take part to the TraceRadon project "Radon metrology for the use in climate change observation and radiation protection at the environmental level" (EMPIR, European Metrology Programme for Innovation and Research, JRP-Contract 19ENV01). In this role I coordinate and manage all the activities of the WP. I organize regular meetings with the partners and disseminate WP results to the knowledge community, policy makers and public by preparing newsletters, scientific presentations and publications, and reports.

In December 2020 my nomination as expert to the UNSCEAR(United Nations Scientific Committee on the Effects of Atomic Radiation) Public Exposure project has been endorsed and I am working on this project.

Since February 2021 I am member of the Reference Group in the study: "Review and Evaluation of National Radon Action Plans established in EU Member States according to the

Requirements of the Council Directive 2013/59/Euratom - the BSS Directive”.

- Dates (from-to) MAY 2017 TO NOVEMBER 2021
 - Name and address of employer European Commission, Joint Research Centre (JRC)
Via E. Fermi 2749, 21027 Ispra (VA), Italy
 - Business or sector Research centre of the European Commission_REM group
 - Occupation Project Officer - Scientific
 - Main Activities I coordinated, as first editor, the preparation of the publication of the European Atlas of Natural Radiation, published in December 2019. I managed the community collecting and harnessing all the contributions from 100 experts, among authors and reviewers.
Moreover, I was responsible of the data collection, validation and mapping activities required for maintaining constantly updated the digital version of the Atlas in the Radioactive Environmental Monitoring web portal (<https://remon.jrc.ec.europa.eu>), as well as updating scientific publications and events.
- I was the leader of a work package (WP), entitled “Comparison and harmonisation of radon measurement methodologies in Europe”, of the MetroRADON project (EMPIR, European Metrology Programme for Innovation and Research, JRP-Contract 16ENV10; 2017-2020).
- I designed a pilot educational project at the European School titled “Radon in schools”, involving colleagues expert in radon measurements. The first pilot project was carried out in March 2019 at the European School of Varese, Italy. The projects based on radon measurements aims at: engaging with students (and their families), getting them familiar with radioactivity, and communicating science to them.
- In November 2017 I co-organized the 2nd International Workshop on European Atlas of Natural Radiation to promote and disseminate the results of the Atlas and topics linked to natural radioactivity and the implementation of the European Council Directive 2013/59/EURATOM. The workshop was a platform where the scientific community could meet the policy makers (around 80 participants).
I organized the European Radon Week 2020 (24-28 February 2020 in Vienna), which combined three different workshops: (ERA, MetroRADON, JRC) with the participation of about 100 stakeholders from 29 countries.
- Since May 2021 I was project leader (ad interim) of REM activities that include the Atlas, the European Radiological Data exchange Platform (EURDEP) and Radioactivity Environmental Monitoring Database (REMdb).
- Dates (from-to) NOVEMBER 2016 - DECEMBER 2016
 - Name and address of employer University of Cantabria_Grupo Radon
Facultad de Medicina, Avda Cardenal Herrera Oria s/n,39011 Cantabria,Spain
 - Business or sector University_Research
 - Occupation Visiting Researcher
 - Main Activities Development of the Geogenic Radon Hazard Index map in the Cantabria region in Spain using a multivariate approach based on variables which are physically related to radon. The map is an important tool to identify the Radon priority areas, as requested by the Council Directive 2013/59/Euratom.
- Dates (from-to) NOVEMBER 2013 - NOVEMBER 2016
 - Name and address of employer European Commission, Joint Research Centre (JRC)
Via E. Fermi 2749, 21027 Ispra (VA), Italy
 - Business or sector Research centre of the European Commission_REM group
 - Occupation Post Doc Researcher
 - Main Activities I developed the maps collected in the European Atlas of Natural Radiation. For the data collection step I created specific tools. The sensitivity of some data (e.g. indoor radon data) required a constant communication with the data providers (national authorities and policy makers) in order to guarantee data privacy.
After harmonizing the data and their statistical evaluation, I mapped the input data using geostatistical tools. Then I asked to national authorities an explicit approval of the developed maps. The results have been communicated to the scientific community and policy makers through peer-reviewed publications and during conferences and workshops. Moreover, we made

all the maps available in the JRC data catalogue, an open web portal, hence accessible to the public, policy makers and scientific community.

I designed the Radioactive Environmental Monitoring (REMon) web portal (<https://remon.jrc.ec.europa.eu>). The portal has the goal to communicate up-to-date, geo-referenced radiological information through a single point of access, allowing the general public to improve their understanding of environmental radioactivity in an easy and straightforward manner. I created and maintained updated the information (interactive maps for visual communication, list of scientific publications, events) to be shared with public, scientific community and policy makers.

In November 2015 I co-organized the 1st International Workshop on the European Atlas of Natural Radiation, gathering around 50 participants belonging both to the scientific community and policy makers. During the workshop I discussed with the participants the data to be displayed in the Atlas and the methodology for data collection and mapping.

I'm co-editor of a special issue of Journal of Environmental Radioactivity on geogenic radon, published in January 2017.

- Dates (from-to) FEBRUARY 2012- NOVEMBER 2013
- Name and address of employer Protex Italia Spa
Via Cartesio, 30, 47122, Forli, Italy
- Business or sector Service company in the field of radioactive waste management - transport and temporary deposit
- Occupation Technician of Physics Laboratory and Qualified Expert in Radiation Protection
- Main Activities I managed the laboratory carrying out the following duties: collect and prepare the samples, perform the measurements, prepare and deliver analysis reports, communicate the results to customers, evaluate the doses for workers-public exposed to NORM and TENORM materials
The measurement methods I used are:
 - Liquid scintillation
 - High resolution gamma spectrometry (soil, building material, water)
 - Environmental monitoring (alpha, beta, gamma radiations)
 - Methods for indoor, in soil gas and exhalation radon measurements (etch track detector, electret, alpha spectrometry, scintillation).

- Dates (from-to) FEBRUARY 2011- OCTOBER 2011
- Name and address of employer Department of Sanitary Physics, AUSL Ospedale Maggiore,
Largo B. Nigrisoli,2 , 40133 Bologna, Italy
- Business or sector Public Hospital
- Occupation Internship according to Italian law for the qualification of Qualified Expert in Radiation Protection (II Level). Knowledge of Italian and European law in in the Radiation Protection field. Use of several instruments for radiation detection including gamma spectrometry. Estimation of doses

- Dates (from-to) SEPTEMER 2008 - JANUARY 2009
- Name and address of employer Cepu,Viale A. Masini 12, Bologna, Italy
- Business or sector Private school
- Occupation Teacher of Maths and Physics

- Dates (from-to) MAY 2008 - OCTOBER 2008
- Name and address of employer Department of Sanitary Physics, AUSL Ospedale Maggiore,
Largo B. Nigrisoli,2 , 40133 Bologna, Italy
- Business or sector Public Hospital
- Occupation Internship according to Italian law for the qualification of Qualified Expert in Radiation Protection (I Level). Knowledge of Italian and European law in in the Radiation Protection field. Use of several instruments for radiation detection including gamma spectrometry. Estimation of doses

EDUCATION AND TRAINING

- Dates (from-to) November 2020
 - Name of organization The Italian Ministry of Education, Universities and Research (MIUR)
 - Title of qualification National scientific qualification to function as associate professor in Italian Universities. SC 09/C2 FISICA TECNICA E INGEGNERIA NUCLEARE

- Dates (from-to) September 2018
 - Name of organization The Italian Ministry of Education, Universities and Research (MIUR)
 - Title of qualification National scientific qualification to function as associate professor in Italian Universities. SC 02/D1 FISICA APPLICATA, DIDATTICA E STORIA DELLA FISICA

- Dates (from-to) February 2013
 - Name of organization Ministero del Lavoro
 - Title of qualification Qualified Expert in Radiation Protection n.2308 (II level)

- Dates (from-to) January 2009 - December 2011
 - Name of organization Department of Earth and Geological-Environmental Sciences, Alma Mater Studiorum - Università di Bologna, Italy
 - Title of qualification Doctorate degree in Earth Sciences, Doctor Europaeus
 - Principal subjects/occupational skills covered Title of the PhD thesis "Indoor and outdoor natural radioactivity in the Vulsini Volcanic District (Central Italy): Estimation of doses and radiological risks".

I worked in the field of environmental radioactivity. It is a multidisciplinary subject in which knowledge from several disciplines are used, from physics (radiation sources, radiation interaction, dose estimation), to statistics and geostatistics including natural science (rock and soil properties).

I collected the data needed for my thesis carrying out myself the measurements (Gamma spectrometry in situ and in laboratory - Radon Measurements indoor, outdoor and in soil - ICP-MS). I engaged with citizens and local policy makers performing measurements in public and private dwellings. I explained them the project and communicated the results.

To analyse and display the measured data I used geographical information systems (GIS), statistics, geostatistics, cartography and mapping tools. Then I used the data as input for estimating the dose and risk due to natural radioactivity in the studied area.

- Dates (from-to) February 2010 - June 2010
 - Name of organization IRISIB- Institut Supérieur Industriel de Bruxelles (ISIB), Bruxelles, Belgio
 - Principal subjects/occupational skills covered Monte Carlo (MCNP) simulations to calibrate NaI detector for the determination of natural radioactivity levels in the field. (in the framework of Marco Polo project of the Università di Bologna)

- Dates (from-to) July 2008
 - Name of organization Alma Mater Studiorum, Università di Bologna, Italy
 - Department of Industrial Engineering, via dei colli 16, Bologna
 - Title of qualification State Exam ("Esame di Stato") for the qualification to exercise the Engineering Profession

- Dates (from-to) October 2005 - March 2008
 - Name of organization Alma Mater Studiorum, Università di Bologna, Italy
 - Department of Industrial Engineering, via dei colli 16, Bologna
 - Title of qualification Master Degree in Energy and Nuclear Engineering, (110/110 cum laude)
 - Principal subjects/occupational skills covered Title of the thesis: "Development of an indoor radon risk map of the Walloon region of Belgium integrating geological information"
 - Major subjects: Radiation transfer and particle transport, Neutronics and Plasma, Mathematical and Numerical Methods for Energetics, Heat transfer, Applied heat and fluid flow, Thermohydraulics of Two-phase Flows and Non-conventional Plants for Power Production

I carried out my thesis, entitled "Development of an indoor radon risk map of the Walloon region of Belgium including geological information", in the framework of the Erasmus program developing a radon risk map for Belgium. I worked at ISIB (Institut supérieur industriel de Bruxelles) and I established a fruitful scientific collaboration with the Belgium national authority

FANC (Federal Agency for Nuclear Control), the main stakeholder of the project. I collected data from FANC database and I communicated them our results. The national authority used the results of my thesis to create the national radon risk map.

This collaboration with ISIB and FANC is still active with several scientific papers as outcome.

- Dates (from-to)
- Name of organization
- Title of qualification
- Principal subjects/occupational skills covered

October 2002 - October 2005
 Alma Mater Studiorum, Università di Bologna, Italy
 Department of Industrial Engineering, via dei colli 16, Bologna
 Bachelor's Degree in Energy Engineering (105/110)
 Title of the thesis: "Temporal variability of natural atmospheric radioactive tracers"
Major subjects: Physics, Mathematical Analysis, Chemistry, Radiation Protection, Fundamentals and Applications of Nuclear Engineering, Electric power generation, Applied Thermodynamics

- Dates (from-to)
- Name of organization
- Title of qualification

1997-2002
 High School Liceo Scientifico "A. Orsini", Ascoli Piceno, Italia
 Scientific Diploma (100/100)

INTERNATIONAL PROFESSIONAL COURSES:

- Dates (from-to)
- Dates (from-to)
- Dates (from-to)
- Dates (from-to)

03/2017
 Week of specialistic formation in nuclear field - Settimana di formazione specialistica in materia nucleare (Ispra, Italy)

09/2013
 5th International Summer School on Operational issues in Radioactive Waste Management and Nuclear Decommissioning Joint, Research Centre (Ispra, Italy)

03/2009
 Intensive course on accelerators and reactor operation Organized under the auspices of the CHERNE network at the campus of ITN (Lisboa, Portugal)_Organized by CHERNE (Cooperation for Higher Education on Radiological and Nuclear Engineering)

08/2007
 Nuclear Chemistry Summer School Aachen University of Applied Sciences Jülich Division, Germany organizzaed by CHERNE (Cooperation for Higher Education on Radiological and NuclearEngineering)

LANGUAGE SKILLS

- Ability to listen
- Ability to read
- Ability to speak
- Ability to write

Italian	English	French
C2	C1	B1
C2	C1	B1
C2	C1	B1
C2	C1	B1

PROFESSIONAL SKILLS

I'm a dynamic person, with a great ability in working in different field, spacing from the university research to the private company. My scientific studies, Engineering and Earth Sciences, gave me ability to apply scientific approach/method in different working experience and to take decisions. I like working in group and I think that the differences between people and culture is an element for enriching our self. I have ability in maintaining relations with persons. Thanks to my past experiences I have acquired a relevant expertise on environmental radioactivity, which includes data collection, mapping, risk assessment, and the development of measures and tools for risk mitigation and prevention.

The positive attitude that I always have towards colleagues and collaborators allows me to easily build and maintain work relationships. This ability was crucial during my work at JRC to collaborate with researchers and stakeholders from different Member States and other European countries.

Operating systems: Windows 95, 98, 2000, XP, 2007, Vista, Linux (Ubuntu)

Applications: Office (Word, Excel, Power Point, VBA), Matlab, Surfer, Statistica, SPSS, Mathematica, MapInfo, MCNP/MCNPX, ImageJ, Autocad, Adobe Acrobat Professional, Resrad, Hotspot, Genie 2000, GammaVision, ArcGIS, QGIS, Fortran, ARGOS, RODOS, R code

Laboratory: High resolution gamma spectrometry (HPGe), gamma spectrometry with NaI, liquid scintillation, environmental monitoring of radioactivity (alpha, beta, gamma), Radon measurement indoor, outdoor and in soil air with several methodologies (etch track detector, electret (E-Perm), alpha spectrometry, scintillation), ICP-MS.

DRIVING LICENCE B

ASSOCIATIONS Member of the following associations:
ERA -European Radon Association, ANPEQ- Associazione Nazionale Professionale Esperti Qualificati, AIRP- Associazione Italiana di Radioprotezione

Publications

Čeliković I., Pantelić G., Vukanaca I., Krneta Nikolić J., Živanović M., Cinelli G., Gruber V., S. Baumann, L.S. Quindos Poncela, D.Rabago, 2022. Outdoor Radon as a Tool to Estimate Radon Priority Areas—A Literature Overview. *Int. J. Environ. Res. Public Health* 2022, 19(2), 662; <https://doi.org/10.3390/ijerph19020662>

Coletti C., Ciotoli G., Benà E., Brattich E., Cinelli G., Galgaro A., Massironi M., Mazzoli C., Mostacci D., Morozzi P., Mozzi P., Nava J., Ruggiero L., Sciarra, Tositti L., Sassi R., 2021. The assessment of local geological factors for the construction of a Geogenic Radon Potential map using regression kriging. A case study from the Euganean Hills volcanic district (Italy), *Science of The Total Environment*, Volume 808, 2022, 152064, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2021.152064>.

Bossew P., Čeliković I., Cinelli G., Ciotoli GC., Domingos F., Gruber V., Leonardi F., Nikolov J., Pantelić G., Pereira A., Petermann E., Todorović N., Trevisi R., 2022. On harmonization of radon maps. *Journal of European Radon Association*. Accepted.

Cinelli, G., F. Bochicchio, P. Bossew, C. Carpenteri, M. De Cort, V. Gruber, F. Leonardi, T. Tollefsen, R. Trevisi. 2022 Similarities and differences between radon surveys across Europe: results from MetroRADON questionnaire. *Journal of European Radon Association*. Accepted.

Trevisi R., Leonardi F., Buresti G., Cianfriglia M., Cinelli G., Gruber V., Heinrich T., Holmgren O., Salvi F., Seri E., Bossew P. 2022. Radon levels in dwellings and workplaces: a comparison with data from some European countries. *Journal of European Radon Association*. Accepted.

Gruber V., Baumann S., Alber O., Laubichler C., Bossew P., Petermann E., Ciotoli G., Pereira A., Domingos F., Tondeur F., Cinelli G., Fernandez A., Sainz C., Quindos-Poncela L. 2021. Comparison of radon mapping methods for the delineation of radon priority areas – an exercise. *Journal of the European Radon Association* 2021, 2: 5755 <http://dx.doi.org/10.35815/radon.v2.5755>

Meusburger, K., Evrard, O., Alewell, C., Borrelli P., Cinelli G., et al. Plutonium aided reconstruction of caesium atmospheric fallout in European topsoils. *Sci Rep* 10, 11858 (2020). <https://doi.org/10.1038/s41598-020-68736-2>

Domingos F., Cinelli G., Neves L., Pereira A., Braga R., Bossew P., Tollefsen T., 2020. Validation of a database of mean uranium, thorium and potassium concentrations in rock samples of Portuguese geological units, generated of literature data. *Journal of Environmental Radioactivity*, Volume 222. <https://doi.org/10.1016/j.jenvrad.2020.106338>

Coletti C., Brattich E., Cinelli G., Cultrone G., Maritan L., Mazzoli C., Mostacci D., Tositti L., Sassi R., 2020. Radionuclide concentration and radon exhalation in new mix design of bricks produced reusing NORM by-products: The influence of mineralogy and texture. *Construction and Building Materials* 260 (2020) 119820. <https://doi.org/10.1016/j.conbuildmat.2020.119820>

Bossew P., Cinelli G., Ciotoli G., Crowley Q.G., De Cort M., Elío Medina J., Gruber V., Petermann E. and Tollefsen T. Development of a Geogenic Radon Hazard Index—Concept, History, Experiences. *Int. J. Environ. Res. Public Health* 2020, 17, 4134; doi:10.3390/ijerph17114134

Rabago, D., Fuente, I., Celaya, S., Fernandez, A., Fernandez, E., Quindos, J., Pol, R., Cinelli, G., Quindos, L., Sainz, C. *Intercomparison of Indoor Radon Measurements Under Field Conditions In the Framework of MetroRADON European Project*. *Int. J. Environ. Res. Public Health* 2020, 17, 1780. doi:10.3390/ijerph17051780

G. Cinelli, E. Brattich, C. Coletti, V. De Ingeniis, C. Mazzoli, D. Mostacci, R. Sassi & L. Tositti (2020) *Terrestrial gamma dose rate mapping (Euganean Hills, Italy): comparison between field measurements and HPGe gamma spectrometric data*, *Radiation Effects and Defects in Solids*, 175:1-2, 54-67, DOI: 10.1080/10420150.2020.1718131

Sangiorgi, M., Hernández Ceballos, M. A., Jackson K., Cinelli, G., Bogucarskis K., De Felice L., Patrascu A., and De Cort 2020. *The European Radiological Data Exchange Platform (EURDEP): 25 years of monitoring data exchange*. *Earth Syst. Sci. Data*, 12, 109-118. <https://doi.org/10.5194/essd-12-109-2020>

European Commission, Joint Research Centre - Cinelli, G., De Cort, M. & Tollefsen, T. (Eds.): *European Atlas of Natural Radiation*, Publication Office of the European Union, Luxembourg, 2019. ISBN 978-92-76-08259-0, doi:10.2760/520053, Catalogue number KJ-02-19-425-EN-C, EUR 19425 EN. Printed by Bietlot in Belgium 2019 - 190 pp. - 30.1 cm– 42.4 cm

Elío J., Cinelli G., Bossew P., Gutiérrez-Villanueva J. L., Tollefsen T., De Cort M., Nogarotto A., and Braga R. 2019. *The first version of the Pan-European Indoor Radon Map*. *Nat. Hazards Earth Syst. Sci.*, 19, 2451-2464, <https://doi.org/10.5194/nhess-19-2451-2019>.

- Sangiorgi, M., Hernández Ceballos, M. A., Iurlaro, G., Cinelli, G., and de Cort, M., 2019. *30 years of European Commission Radioactivity Environmental Monitoring Database (REMdb) – an open door to boost environmental radioactivity research*, Earth Syst. Sci. Data, 11, 589-601, 2019. <https://doi.org/10.5194/essd-11-589-2019>
- Pantelić G., Čeliković I., Živanović M., Vukanaca I., Krneta Nikolić J., Cinelli G., Gruber V., 2019. Qualitative overview of indoor radon surveys in Europe. *Journal of Environmental Radioactivity*, Volume 204, Pages 163-174. <https://doi.org/10.1016/j.jenvrad.2019.04.010>
- Pantelić G., Čeliković I., Živanović M., Vukanaca I., Krneta Nikolić J., Cinelli G., Gruber V., 2019. Literature review of Indoor radon surveys in Europe, Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-97643-8 (online), doi:10.2760/977726 (online) http://publications.jrc.ec.europa.eu/repository/bitstream/JRC114370/jrc114370_final_metroradon_jrc114370.pdf
- Cinelli G., Tollefsen T., Bossew P., Gruber V., Bogucarskis K., De Felice L., De Cort M., 2019. *Digital version of the European Atlas of Natural Radiation*, *Journal of Environmental Radioactivity*. Vol.196, 240-252. <https://doi.org/10.1016/j.jenvrad.2018.02.008>
- Cinelli G., Faletti P., Chiaberto E., Cucchi A., Magnoni M., 2018. *European Terrestrial Gamma Dose Rate. XXXVII Congresso Nazionale AIRP di radioprotezione*. Pag:48- 63. ISBN: 9788888648460. http://www.airp-asso.it/wp-content/uploads/convegna/2018_Bergamo/ATTI.pdf (Last access January 2019).
- Cinelli, G., Bossew, P., Javier, E., Gruber, V., Braga, R., Nogarotto, A., Petermann, E., Tollefsen, T. and De Cort, M., Analysis of the European Atlas of Natural Radiation data within geological and soil units, In: 14th International Workshop on the Geological Aspects of Radon Risk mapping, 17-21 September 2018, ISBN 978-80-01 06493-1 (print), 24-28
- Nogarotto, A., Cinelli, G. and Braga, R., U, Th and K concentration in bedrock data: validity of geological grouping (country study Italy), In: 14th International Workshop on the Geological Aspects of Radon Risk mapping, 2018, ISBN 978-80-01-06493-1 (print), 101-107
- Gruber, V., Baumann, S., Ringer, W., Sainz, C., Quindos, L., Cinelli, G. and Gutierrez-Villanueva, J., A radon mapping exercise within the European MetroRadon project, 2018, ISBN 978-80-01 06493-1 (print), JRC114392. 63-64.
- Cinelli G., F. Tondeur, Dehandshutter B., 2018. *Mapping potassium and thorium concentrations in Belgian soils*. *Journal of Environmental Radioactivity*. 184-185 (2018) 127-139. <https://doi.org/10.1016/j.jenvrad.2018.01.025>
- G.Cinelli, V. Gruber, L. De Felice, P. Bossew, M. A. Hernandez-Ceballos, T.Tollefsen, S. Mundigl, M. De Cort, 2017. *European annual cosmic-ray dose: estimation of population exposure*. *Journal of Maps*, 13:2, 812-821, 10.1080/17445647.2017.1384934
- Francois T., Cinelli G., Dehandshutter B., 2017. *Uranium in soil and gamma dose rate as proxies for the indoor radon risk: situation in Belgium*. *Radiation Protection Dosimetry*. *Radiation Protection Dosimetry* (2017), Vol. 177, No. 1-2, pp. 176-180. doi: 10.1093/rpd/ncx146.
- Tollefsen T., Cinelli G., De Cort M., 2017. *Special issue of the Journal of Environmental Radioactivity: Geogenic radiation and its potential use for developing the geogenic radon map – Foreword*. Vol. 177, page 209. doi: 10.1016/j.jenvrad.2016.11.008
- Hoffmann M.; Aliyev C.S.; Feyzullayev A.A.; Baghirli R.J.; Veliyeva F.F.; Pampuri L.; Valsangiacomo C.; Tollefsen T.; Cinelli G., 2017. *First Map of Residential Indoor Radon Measurements in Azerbaijan*, *Radiation Protection Dosimetry* (2017), Vol.175, No.2, pp. 186-193 10.1093/rpd/ncw284
- LAURA Damonte, Patricia Rivas, A. Pasquevich, Fernanda Andreola, Federica Bondioli, Anna Maria Ferrari, Laura Tositti, and Giorgia Cinelli, 2017. *Structural Characterization of natural and processed zircons with X-rays and nuclear techniques*. *Advances in Condensed Matter Physics*. Volume 2017 (2017), Article ID 9707604, 9 pages <https://doi.org/10.1155/2017/9707604>
- L.Tositti, G. Cinelli, E. Brattich, A.Galgaro, D. Mostacci, C. Mazzoli, M. Massironi, R. Sassi, 2017. *Assessment of lithogenic radioactivity in the Euganean Hills magmatic district (NE Italy)*, *Journal of Environmental Radioactivity*, Volume 166 Part 2, 259-269. <http://dx.doi.org/10.1016/j.jenvrad.2016.07.011>.
- Cinelli G., Tondeur F., Dehandschutter B., Bossew P., Tollefsen T., De Core M., et al., 2017. *Mapping uranium concentration in soil: Belgian experience towards a European map*, *Journal of Environmental Radioactivity*, Volume 166 Part 2, 220-234, <http://dx.doi.org/10.1016/j.jenvrad.2016.04.026>;
- P. Bossew, G. Cinelli, M. Hernández-Ceballos, N. Cernohlavek, V. Gruber, B. Dehandschutter, F. Menneson, M. Bleher, U. Stöhlker, I. Hellmann, F. Weiler, T. Tollefsen, P.V. Tognoli, M. De Cort, 2017. *Estimating the terrestrial gamma dose rate by*

decomposition of the ambient dose equivalent rate. *Journal of Environmental Radioactivity*, Volume 166 Part 2, 296-308
<http://dx.doi.org/10.1016/j.jenvrad.2016.02.013>

Hernández-Ceballos, Brattich Erika, Cinelli Giorgia, 2016. *Heat-wave events in Spain: air mass analysis and impacts on ⁷Be concentrations*. *Advances in meteorology*. Volume 2016 (2016), Article ID 8026018, 10 pages.
<http://dx.doi.org/10.1155/2016/8026018>.

G. Cinelli, L. Tositti, D. Mostacci, J. Bare, 2016. *Calibration with MCNP of NaI detector for the determination of natural radioactivity levels in the field*. *Journal of Environmental Radioactivity*, Volumes 155-156, May 2016, Pages 31-37.
doi:10.1016/j.jenvrad.2016.02.009

Hernández-Ceballos M.A, Brattich E., Cinelli G., Ajtic J., Djurdjevic V., 2016, *Seasonality of ⁷Be concentrations in Europe and influence of tropopause height*. *Tellus B* 2016, 68, 29534, <http://dx.doi.org/10.3402/tellusb.v68.29534>

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I consent the use of personal information herein contained as D.lgs. 196 del 30 giugno 2003.

Date
17/01/2022

Sincerely