


Curriculum Vitae

Personal Information





GIANCARLO CIOTOLI

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 <http://www.igag.cnr.it/index.php/12-elenco-personale/26-giancarlo-ciotoli>

 [giancarlo0909](#)

Date of birth 09/09/1960/Nationality Italian/Gender Male

Occupational Field(s)

Environmental Geochemistry, GIS, Spatial Analysis and Geostatistics applied to environmental risks

Scientific and Professional Activities

Giancarlo Ciotoli, Ph.D., is Researcher at the Institute of Environmental Geology and Geoengineering of the National Research Council where he is also responsible of the laboratory of Environmental Geochemistry and Geochemical mapping. The research activities concerned the study on the gas migration processes from shallow and deep geological sources to the surface environment, and their interactions with geosphere, biosphere and atmosphere, as well as with human activity. The research was carried out in different fields of Geosciences:

- i) environmental geochemistry (geochemical risk from ionizing radiation, i.e., radon indoor and outdoor, volcanic and non-volcanic emissions of CO₂ and CH₄ and their effects on the composition of the low atmosphere and on human health)
- ii) deep fluid geochemistry, structural geology and hydrogeochemistry with application for the study of active faults
- iii) applied geology (geological disposal of CO₂ and EOR in hydrocarbon research).

The research activity, mainly carried out in the framework of international projects (hereafter), has enabled the acquisition of experience and competence to independently determine original and significant advancements in the area of environmental risks (natural and anthropic), with particular reference to the application of innovative and low-cost monitoring techniques and strategies integrated in Web-GIS platforms. The experience gained in international projects is also characterized by an important synergy between research activities and training activities, highlighting the centrality of joint work between Research, University and Enterprise.

Teaching Activity

The over 20 years of experience in the field of Geostatistics and Geospatial Analysis, and their applications in the GIS environment, contributed to a robust scientific production linked to the study and the evaluation of geochemical, environmental and anthropic risks, especially in urban areas.

From 1998 to 2003 was professor of Environmental Geochemistry at Calabria University, and from 2000 to 2013 was professor of Geostatistics and GIS at the Rome University Sapienza. He was lecturer of the courses "Applications of Statistics and Geostatistical Techniques for Analyzing Environmental Data" and "Analysis of Environmental Data Using GIS" for the Doctoral Program in Environmental Sciences at the University Ca 'Foscari of Venice, and of the course of Geostatistics for the PhD school in Geodynamics at the University of ROMA TRE. He was also lecturer of the course "Geospatial Analysis" for doctoral school and master's degree at the Universities of Urbino, Naples, Venice and Ferrara, and at research institutions such as ISPRA, and Istituto Zooprofilattico di Lazio e Toscana.

He is consultant of the Lazio Region for the activities concerning the areas with CO₂

dangerous emissions and the sinkhole risk. It is also scientific coordinator of the following projects: “Assessment of areas with anomalous concentrations of CO₂ in the Isola Sacra (Fiumicino) (Lazio)”; “Study on the distribution of cancer in dogs in areas with high potential for radon”. (Institute Zooprofilattico of Lazio and Tuscany); “Study of the processes of migration and accumulation of radon in the workplace (INAIL)”. He is currently responsible for the CNR-IGAG of the LIFE project “Radon real time monitoring system and Proactive Indoor Remediation” - RESPIRE. LIFE16 ENV / IT / 000553, which involves the participation of Universities, European Research Centres and Enterprises.

He was involved in more than 15 EU research projects regarding different environmental topics, as well as radon risk and CO₂ capture and storage. Author of over 150 publications in national and international journals and conference proceedings, and of one textbook in Italian regarding the statistical and geostatistical applications for the analysis of environmental and geological data.

Participation to Commissions and Associations

Following the earthquake in Central Italy on 24 August 2016, he participated in the activities coordinated by the National Civil Protection at the DICOMAC in Rieti, within the Center of Competence for Seismic Microzonation and its Applications.

- He is member of the European Radon Association (ERA)
- Consultant of the Lazio Region for the activities concerning the Determination N. A00271 of 19/01/2012 "Areas of dangerous emission of carbon dioxide (CO₂) in the territories of the Municipalities of Castel Gandolfo, Ciampino, Marino and Rome (Municipalities X, XI, XII).
- Member of the technical-scientific commission of the Lazio Region on the risk of land gas emissions in Lazio.
- Member of the ISPRA technical-scientific commission for the census of underground cavities in Rome
- Member of the technical-scientific commission of the Lazio Region on the sinkhole risk in Lazio

Bibliometric Indexes

Scopus ID: 6602848066; 1213 citations; h-index:19;
 Google Scholar: 1876 citations; h-index 22
 Orcid ID:0000-0002-9496-3021; Researcher ID: N-7348-2014

URLs

https://www.researchgate.net/profile/Giancarlo_Ciotoli/citations?sorting=recent
http://scholar.google.it/citations?hl=it&user=bELxHj8AAAAAJ&view_op=list_works&
<http://www.igag.cnr.it/index.php/it/personale/114>

Education

Data	07/04/2016
Title	Master in European Project Design
Thesis	European Project within the Horizon 2020 programme
Name and type of organisation	EU Project Management Training Centre, Venice International University San Servolo, Venezia
Level in national or international classification	ISCED 6
Data	03/07/1997
Title	PhD in Earth Sciences
Thesis	Introduzione di Metodi Geostatistici nell'Interpretazione della Distribuzione dei Gas Endogeni nei Suoli quale Contributo alle Indagini Strutturali: la Piana del Fucino
Name and type of organisation	Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza". Conseguito il 03/07/1997.

Level in national or international classification ISCED 6

Data 17/05/1990

Title **Degree in Geological Sciences**

Thesis Tentativo di Correlazione tra Tettonica e Gas di Origine Profonda nell'Area Compresa tra i Fiumi Sangro e Biferno (Abruzzo-Molise)

Name and type of organisation Università di Roma "La Sapienza" e ENEA - "Casaccia" - Via Anguillarese, Anguillara (RM). Votazione 102/110

Level in national or international classification ISCED 5

Data Luglio 1978

Title **Scientific High School Diploma**

Name and type of organisation Liceo Scientifico "Francesco della Madonna", Viale Trastevere 251, Roma

Level in national or international classification ISCED 3

- Professional qualifications**
- Qualified as Professional Geologist.
 - Qualified for teaching Natural Sciences, Chemistry, Geography and Biology (class A060) at higher education institutions

Academic Career

Dates **7-11 October 2019**

Title of qualification **Invited professor**

Principal subject Introduction to geostatistics. Course for PhD students

Name and type of organisation Faculty of Environmental Science and Engineering Babes-Bolyai University, Cluj, Romania

Level in national or international classification ISCED 6

Dates **7 April 2018**

Title of qualification Contract Professor

Principal subject Second level Master in "Characterization and remediation of contaminated sites ". Lectures: Introduction to Geospatial Analysis

Name and type of organisation Ca' Foscari University, Venice

Level in national or international classification ISCED 6

Dates **28-30 April 2018**

Title of qualification Lecturer

Principal subject Course of "Utilizzo dei GIS e delle tecniche di analisi spaziale in ambito sanitario"

Name and type of organisation Terrelogiche s.r.l.

Level in national or international classification ISCED 6

Dates **16-17 November 2017**

Title of qualification Lecturer

Principal subject Course of “Geostatistics”
Name and type of organisation Terrelogiche s.r.l.
Level in national or international classification ISCED 6

Dates **25-27 October 2017**
Title of qualification Lecturer
Principal subject Course of “Geospatial Analysis for epidemiology and public health”
Name and type of organisation Terrelogiche s.r.l.
Level in national or international classification ISCED 6

Dates **12-14 October 2016**
Title of qualification Lecturer
Principal subject Course of “Geospatial Analysis for epidemiology and public health”
Name and type of organisation Terrelogiche s.r.l.
Level in national or international classification ISCED 6

Dates **29 April 2016**
Title of qualification Contract Professor
Principal subject Second level Master in “Characterization and remediation of contaminated sites “. Lectures: Introduction to Geospatial Analysis
Name and type of organisation Ca' Foscari University, Venice
Level in national or international classification ISCED 6

Dates **18-21 April 2016**
Title of qualification Lecturer
Principal subject Course for PhD students “Geospatial Analysis for Geological, Biological, and Environmental Scientists”
Name and type of organisation Faculty of Environmental Science and Engineering Babes-Bolyai University, Cluj, Romania
Level in national or international classification ISCED 6

Dates **16-18 November 2015**
Title of qualification Lecturer
Principal subject Course for PhD students “Theoretical and practical bases of the modern techniques of statistical and geo-statistical analysis of spatial data with GIS”
Name and type of organisation Istituto Universitario di Studi Superiori – Università di Ferrara
Level in national or international classification ISCED 6

Dates **28-30 October 2015**
Title of qualification Lecturer
Principal subject Course of GIS and spatial analysis for epidemiology and public health
Name and type of organisation Department of Engineering, University of Rome “Sapienza”
Level in national or international classification ISCED 6

international classification

Dates **7-10 April 2015**
Title of qualification Professor
Principal subject Course of Geospatial Analysis for the PhD students of Earth Sciences
Name and type of organisation Department of Sciences, University of ROMA TRE
Level in national or international classification ISCED 6

Dates **20 March 2015**
Title of qualification Professor
Principal subject Second level Master in "Characterization and remediation of contaminated sites".
Name and type of organisation Ca' Foscari University, Venice
Level in national or international classification ISCED 6

Dates **9-11 December 2014**
Title of qualification Lecturer
Principal subject Course of Geospatial analysis of the environmental data
Name and type of organisation Physics and Earth Sciences Department, Ferrara University
Level in national or international classification ISCED 6

Dates **6-10 October 2014**
Title of qualification Lecturer
Principal subject Course of Geospatial analysis of the environmental data
Name and type of organisation Geological Sciences Department, Naples University "Federico II"
Level in national or international classification ISCED 6

Dates **11-17 April 2014**
Title of qualification Lecturer
Principal subject Course of Geospatial Analysis for the PhD students of Earth Sciences
Name and type of organisation Department of Sciences, University of ROMA TRE

Dates **4, 10 April 2014**
Title of qualification Lecturer
Principal subject Course of Geospatial Analysis, Master in "Analysis and Mitigation of Hydrogeological Risk",
Name and type of organisation C.E.R.I. Research Center, Sapienza University of Rome

Dates **21-30 October 2013**
Title of qualification Lecturer
Principal subject Course of Geospatial Analysis
Name and type of organisation ISPRA, Institute for the Protection and Environmental Research, Rome
Level in national or international classification ISCED 6

Dates	23-30 September 2013
Title of qualification	Lecturer
Principal subject	Course of Geospatial Analysis
Name and type of organisation	ISPRA, Institute for the Protection and Environmental Research, Rome
Level in national or international classification	ISCED 6
Dates	May-June 2013
Title of qualification	Lecturer
Principal subject	Course of Geospatial Analysis
Name and type of organisation	Doctoral School in Environmental and Resource Geology, University of ROMA TRE
Level in national or international classification	ISCED 6
Dates	April 2013
Title of qualification	Lecturer
Principal subject	Course of “Introduction to geostatistical analysis of environmental data”, second level Master in “Evaluation and mitigation of hydrogeological risk” (7 hours)
Name and type of organisation	C.E.R.I. Research Center, Sapienza University of Rome (University) Valmontone Rome (Italy)
Level in national or international classification	ISCED 6
Dates	Aprile 2013
Title of qualification	Professor
Principal subject	Second level Master in “Characterization and remediation of contaminated sites "(7 ore).
Name and type of organisation	Ca' Foscari University, Venice
Level in national or international classification	ISCED 6
Dates	2012-2013
Title of qualification	Contract Professor
Principal subject	Course of Geospatial Analysis, Second Level Degree in Exploration Geology
Name and type of organisation	Earth Sciences Department, Rome University Sapienza
Level in national or international classification	ISCED 6
Dates	June 2012
Title of qualification	Lecturer
Principal subject	Course of Application of statistical and geostatistical techniques for the analysis of the environmental data
Name and type of organisation	Geological Sciences Department, Neaples University “Federico II”
Level in national or international classification	ISCED 6
Dates	May 2012
Title of qualification	Lecturer
Principal subject	Seminar of Geospatial Analysis for the PhD students of Earth Sciences
Name and type of organisation	Geological Sciences Department, Urbino University “Carlo Bo”

organisation
Level in national or
international classification

ISCED 6

Dates **April 2012**
Title of qualification Lecturer
Principal subject Course of Introduction to geostatistical analysis of environmental data, Second Level Master in “Evaluation and mitigation of landslide risk”
Name and type of organisation C.E.R.I. Research Center,Sapienza University of Rome (University)
Valmontone Rome (Italy)
Level in national or international classification ISCED 6

Dates **April 2012**
Title of qualification Lecturer
Principal subject Course of Geostatistics for the PhD students of Geodinamics
Name and type of organisation Geological Sciences Department, University of ROMA TRE
Level in national or international classification ISCED 6

Dates **2011-2012**
Title of qualification Contract Professor
Principal subject Course of Geospatial Analysis, Second Level Degree in Exploration Geology
Name and type of organisation Earth Sciences Department, Rome University Sapienza
Level in national or international classification ISCED 6

Dates **13-15 Ottobre 2011**
Title of qualification Lecturer
Principal subject Training Course of "Geostatistics and spatial analysis of environmental data in GIS environment"
Name and type of organisation Science and Technology Faculty of Urbino University “Carlo Bo”
Level in national or international classification ISCED 6

Dates **April 2011**
Title of qualification Contract Professor
Principal subject course “Geostatistics” for the Ph.D. students in Geodynamics
Name and type of organisation Geological Sciences Department of the University of “Roma Tre” (University)
Rome (Italy)
Level in national or international classification ISCED 6

Dates **February 2011**
Title of qualification Lecturer
Principal subject course of “Introduction to geostatistical analysis of environmental data” in the framework of the Master in “Evaluation and Mitigation of Hydrogeological Risk”.
Name and type of organisation C.E.R.I. Research Center,Sapienza University of Rome (University)
Valmontone Rome (Italy)
Level in national or international classification ISCED 6

Dates **January 2011**
Title of qualification Lecturer
Principal subject course of "Analysis of Environmental Data by Using GIS" for the students of the Ph.D School in Sciences and Technologies
Name and type of organisation University of Venice "Ca Foscari" (University) Venice (Italy)
Level in national or international classification ISCED 6

Dates **December 2010**
Title of qualification Lecturer
Principal subject Course of Geospatial Analysis
Name and type of organisation Osservatorio Epidemiologico dell'Istituto Zooprofilattico Lazio e Toscana, Via Appia Nuova, Roma
Level in national or international classification ISCED 6

Dates **2010-2011**
Title of qualification Contract Professor
Principal subject Course of Geospatial Analysis, Second Level Degree in Applied Geology
Name and type of organisation Earth Sciences Department, Rome University Sapienza
Level in national or international classification ISCED 6

Dates **22-25 Novembre 2010**
Title of qualification Lecturer
Principal subject Professional training in Geospatial Analysis in GIS environment
Name and type of organisation C.E.R.I. Research Center, Sapienza University of Rome (University) Valmontone Rome (Italy)
Level in national or international classification ISCED 6

Dates **March 2010**
Title of qualification Lecturer
Principal subject Course of Geostatistics for the PhD students in Geodynamics
Name and type of organisation Geological Sciences Department, University of ROMA TRE
Level in national or international classification ISCED 6

Dates **February 2010**
Title of qualification Lecturer
Principal subject Course of application of statistical and geostatistical techniques to environmental data analysis
Name and type of organisation PhD school in Science and Technology, University of Venice "Ca Foscari"
Level in national or international classification ISCED 6

Dates **September 2009**
Title of qualification Lecturer
Principal subject Data interpretation and the results of the investigation " – Labmeeting "Remediation: from investigation plans, to risk analysis and remediation techniques"
Name and type of organisation Meeting Ravenna 2009 - Waste, Water, Energy. Sustainability and innovation.

organisation
Level in national or
international classification

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

22-25 July 2009

Lecturer

Geospatial Analysis in GIS environment

C.E.R.I. Research Center, Sapienza University of Rome (University)
Valmontone Rome (Italy)

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

April 2009

Lecturer

Course of Geostatistics, for PhD students of Geodynamics

Earth Sciences Department, Rome University Sapienza

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

2008 - 2009

Contract Professor

Course of GIS and Geostatistics, Second Level Degree in Geological
Prospection and Cartography

Earth Sciences Department, Rome University Sapienza

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

June 2008

Lecturer

Course of Geostatistics and GIS Applications

School of Environmental Statistics, Science and Technology Faculty of Urbino
University "Carlo Bo"

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

March 2008

Lecturer

Geostatistics for PhD students

Geological Science Department, University of Roma TRE

ISCED 6

Dates
Title of qualification
Principal subject
Name and type of
organisation
Level in national or
international classification

February 2008

Lecturer

Introduction of geostatistical analysis of environmental data. Second Level
Master in Evaluation and Mitigation of Hydrogeological Risk

C.E.R.I. Research Center, Sapienza University of Rome (University)
Valmontone Rome (Italy)

ISCED 6

Dates
Title of qualification

2007 - 2008

Contract Professor

Principal subject Course of Geostatistics, Second Level Degree in Geological Prospection and Cartography
Name and type of organisation Earth Sciences Department, Rome University Sapienza
Level in national or international classification ISCED 6

Dates **May 2007**
Title of qualification Lecturer
Principal subject Geostatistics module as part of the Postgraduate Course in Advanced Statistics for Geological Sciences, Natural Sciences, Biological and Environmental at the International School of Applied Statistics to Natural and Environmental Sciences
Name and type of organisation Science and Technology Faculty of Urbino University "Carlo Bo"
Level in national or international classification ISCED 6

Dates **April 2007**
Title of qualification Lecturer
Principal subject Course of Geostatistics of environmental data and GIS applications, Second Level Master in Monitoring and Technologies for Remediation of Polluted Sites
Name and type of organisation C.E.R.I. Research Center, Sapienza University of Rome (University) Valmontone Rome (Italy)
Level in national or international classification ISCED 6

Dates **February 2007**
Title of qualification Lecturer
Principal subject Introduction to Geostatistics of Environmental Data, Second level Master in Evaluation and Mitigation of Hydrogeological Risk
Name and type of organisation C.E.R.I. Research Center, Sapienza University of Rome (University) Valmontone Rome (Italy)
Level in national or international classification ISCED 6

Dates **February 2007**
Title of qualification Lecturer
Principal subject Course of Geostatistics for PhD students
Name and type of organisation Geological Science Department, University of Roma TRE
Level in national or international classification ISCED 6

Dates **2006-2007**
Title of qualification Contract Professor
Principal subject Course of Geostatistics for the second level degree in Geological Prospecting and Cartography
Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification ISCED 6

Dates **2005 - 2006**

Title of qualification	Contract Professor
Principal subject	Course of Geostatistics for the second level degree in Geological Prospecting and Cartography
Name and type of organisation	Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification	ISCED 6
Dates	February 2005
Title of qualification	Lecturer
Principal subject	Geostatistics for the Ph.D. students
Name and type of organisation	Geological Sciences Department of the University of "Roma Tre" (University) Rome (Italy)
Level in national or international classification	ISCED 6
Dates	2004 - 2005
Title of qualification	Contract Professor
Principal subject	Course of Geostatistics for the second level degree in Geological Prospecting and Cartography
Name and type of organisation	Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification	ISCED 6
Dates	October 2003
Title of qualification	Lecturer
Principal subject	Introduction to Geostatistics: Explorative Data Analysis, seminars within the course of Hydrocarbon Geology, Degree in Geological Sciences
Name and type of organisation	Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification	ISCED 6
Dates	2002 - 2003
Title of qualification	Contract Professor
Principal subject	Computer Sciences for the first level degree in Geological Sciences
Name and type of organisation	Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification	ISCED 6
Dates	2002 - 2003
Title of qualification	Contract Professor
Principal subject	Course of Environmental Geochemistry, degree in Natural Risk
Name and type of organisation	University of Calabria, Vibo Valentia (Italy)
Level in national or international classification	ISCED 6
Dates	January 2003
Title of qualification	Lecturer
Principal subject	Introduction to Geostatistics and GIS, seminar within the course of Hydrocarbon Geology, Degree in Geological Sciences
Name and type of organisation	Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)

Level in national or international classification ISCED 6

Dates **January 2003**

Title of qualification Lecturer

Principal subject Introduction to statistical and geostatistical analysis of geological data and GIS application, seminar within the course of Geochemical Prospection

Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)

Level in national or international classification ISCED 6

Dates **April 2002**

Title of qualification Lecturer

Principal subject Course of Computer Sciences, 6 seminars for the first level degree in Geological Sciences

Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)

Level in national or international classification ISCED 6

Dates **2001 - 2002**

Title of qualification Contract Professor

Principal subject Course of Environmental Geochemistry, degree in Natural Risk

Name and type of organisation University of Calabria, Vibo Valentia (Italy)

Level in national or international classification ISCED 6

Dates **November 2001**

Title of qualification Lecturer

Principal subject Introduction to statistical and geostatistical analysis of geological data and GIS application, seminar within the course of Geochemical Prospection

Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)

Level in national or international classification ISCED 6

Dates **July 2001**

Title of qualification Lecturer

Principal subject Soil gas radon as an environmental problem and as a tool for structural-geological and seismological research

Name and type of organisation Physics Department, University of Calabria

Level in national or international classification ISCED 6

Dates **March 2001**

Title of qualification Lecturer

Principal subject Course for Ph.D. students of Statistics and geostatistical techniques for the Analysis of Spatial Data

Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)

Level in national or international classification ISCED 6

Dates **2000 - 2001**
Title of qualification Contract Professor
Principal subject Course of Geostatistics
Name and type of organisation Earth Sciences Department, Sapienza University of Rome (University) Rome (Italy)
Level in national or international classification ISCED 6

Dates **2000 - 2001**
Title of qualification Contract Professor
Principal subject Course of Environmental Geochemistry for the degree in Natural Risk
Name and type of organisation University of Calabria, Vibo Valentia (Italy)
Level in national or international classification ISCED 6

Dates **1999 - 2000**
Title of qualification Contract Professor
Principal subject Course of Environmental Geochemistry for the degree in Natural Risk
Name and type of organisation University of Calabria, Vibo Valentia (Italy)
Level in national or international classification ISCED 6

Work Experience

Dates April 1st 2015-
Occupation or position held Researcher
Main activities and responsibilities Environmental Geochemistry, Geochemical Mapping and Geostatistics
Name and address of employer National Research Council – Institute of Environmental Geology and Geoengineering

Dates **November 2013 - December 2013**
Occupation or position held Senior Consultant
Main activities and responsibilities Analysis of the hydrogeological scenario for the groundwater modeling in the area of the subway Fori Imperiali and Piazza Venezia stations (Rome, Italy – Metro C-Tratta T3)
Name and address of employer SGS s.r.l.Rome (Italy)

Dates **Nov 2012 – Dec 2013**
Occupation or position held Researcher
Main activities and responsibilities Environmental Emergency and quantification of environmental damage
Name and address of employer Institute for the Protection and Environmental Research (ISPRA), Via Vitaliano Brancati, 48, 00144 Roma
Type of business or sector Institutional research

Dates **Nov 2011 – Jan 2012**
Occupation or position held Senior Consultant
Main activities and responsibilities Statistical and spatial data analysis and development of a mathematical models of marine environmental data
Name and address of employer Institute for the Protection and Environmental Research (ISPRA), Via Vitaliano Brancati, 48, 00144 Roma
Type of business or sector Research project

Dates **May 2011 – December 2011**

Occupation or position held	Senior Consultant
Main activities and responsibilities	Geospatial analysis of contaminant chemical data
Name and address of employer	Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana, Via Appia Nuova 1411, Roma
Type of business or sector	Research project “Sorveglianza epidemiologica attraverso il biomonitoraggio animale di sostanze contaminanti in aree a rischio ambientale”
Dates	June 2011
Occupation or position held	Senior Consultant
Main activities and responsibilities	Sinkholes: in urban areas of Rome, Naples and Cagliari. Elaboration of a sinkhole susceptibility maps
Name and address of employer	Institute for the Protection and Environmental Research (ISPRA), Via Vitaliano Brancati, 48, 00144 Roma
Type of business or sector	Research project
Dates	March 2010 – November 2012
Occupation or position held	Researcher
Main activities and responsibilities	Geospatial analysis of geological and stratigraphical data for the construction of microzonation maps of first level.
Name and address of employer	IGAG Institute of Geology and Environmental Geoengineering, National Research Council, Monterotondo (Rome) (Italy)
Type of business or sector	Research project
Dates	March 2010 - July 2010
Occupation or position held	Senior Consultant
Main activities and responsibilities	Geospatial analysis of soil gas radon data
Name and address of employer	Istituto Nazionale di Geofisica e Vulcanologia Vigna Murata, Rome (Italy)
Type of business or sector	Research project
Dates	January 2010 - May 2010
Occupation or position held	Senior Consultant
Main activities and responsibilities	Geostatistical and GIS analyses of more than 10000 measurements of indoor and soil gas radon in the framework of the project “Mapping of radon risk zones in radon prone areas in southern Belgium” - Belgian Federal Governmental Agency
Name and address of employer	IBES (International Bureau for Environmental Studies) Rue Audrey Hepburn 9/13, Tervuren (Belgium)
Type of business or sector	Research project
Dates	October 2009 - November 2009
Occupation or position held	Senior Consultant
Main activities and responsibilities	Analysis of the hydrogeological scenario for the groundwater modeling in the area of the subway Amba Aradam station (Rome, Italy – Metro C-Tratta T3)
Name and address of employer	SGS s.r.l. Rome (Italy)
Type of business or sector	Professional activity
Dates	June 2009 - February 2010
Occupation or position held	Contract Researcher
Main activities and responsibilities	Study and data analysis about the drought indicators to enhance the pre-alarm system and to assess the event's severity and its return period.
Name and address of employer	Institute of Water Research (IRSA, Istituto di Ricerca sulle Acque), National research Council Monterotondo (Rome) (Italy)
Type of business or sector	Research project

Dates **January 2009 - December 2009**
Occupation or position held Senior Consultant
Main activities and responsibilities Geostatistical and GIS analyses of more than 10000 measurements of indoor and soil gas radon in the framework of the project "Mapping of radon risk zones in radon prone areas in southern Belgium" - Belgian Federal Governmental Agency
Name and address of employer IBES (International Bureau for Environmental Studies) Rue Audrey Hepburn 9/13, Tervuren (Belgium)
Type of business or sector Research project

Dates **January 2009 - March 2009**
Occupation or position held Senior Consultant
Main activities and responsibilities Analysis of the hydrogeological scenario for the groundwater modelling in the area of the subway S.Giovanni station (Rome, Italy – Metro C-Tratta T4)
Name and address of employer SGS s.r.l.Rome (Italy)
Type of business or sector Professional, scientific and technical activities

Dates **July 2008 - December 2008**
Occupation or position held Senior Consultant
Main activities and responsibilities Analysis of the hydrogeological scenario for the groundwater modelling and transport in the area of the garbage dump of Roncajette (Pontesannicolò, Padova, Italy)
Name and address of employer Multiproject s.r.l. Gorizia (Italy)
Type of business or sector Professional, scientific and technical activities

Dates **October 2005 - May 2009**
Occupation or position held Senior Researcher
Main activities and responsibilities Coordinator of the field activities and data analysis in the framework of the different EU projects
Name and address of employer Earth Sciences Dept., Rome University La Sapienza Rome (Italy)
Type of business or sector

Dates **November 2005 - February 2006**
Occupation or position held Researcher
Main activities and responsibilities Main activities and responsibilities senior hydrogeologist and Senior GIS Consultant with specific experience in using GIS for the analysis of hydrogeological risk and environmental studies
Name and address of employer Geological Survey of Italy. Agency for the Environmental Protection and Technical Services (APAT) Curtatone, 3, 00187 Rome (Italy)
Type of business or sector Professional, scientific and technical activities

Dates **May 2004 - October 2005**
Occupation or position held Senior Consultant
Main activities and responsibilities Senior hydrogeologist and Senior GIS Consultant with specific experience in using GIS for hydrogeological and environmental studies
Name and address of employer Geological Survey of Italy. Agency for the Environmental Protection and Technical Services (APAT) Via Curtatone, 3, 00187 Rome (Italy)
Type of business or sector Professional, scientific and technical activities

Dates **September 03 - February 04**
Occupation or position held Consultant
Main activities and responsibilities Evaluation of the environmental risk (Rn and CO2) in the Jewish Catacombs of Villa Torlonia (Rome)
Name and address of Soprintendenza Archeologica di Roma Rome (Italy)

employer	
Type of business or sector	Professional, scientific and technical activities
Dates	September 03 - September 05
Occupation or position held	Contract Researcher
Main activities and responsibilities	Development of integrated innovative techniques for the study of environmental risk: toxic gas emanation, geological sequestration of anthropic CO2 and sequestration of long-life radioactive waste.
Name and address of employer	Earth Sciences Department Rome University La Sapienza
Type of business or sector	Research project
Dates	March 2003 - July 2003
Occupation or position held	Consultant
Main activities and responsibilities	Construction of a geodatabase in the GIS environment and data elaboration for environmental studies in the area of the Spoleto town (Perugia, central Italy)
Name and address of employer	Spoleto municipality Spoleto (PG) (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	September 2001 - September 2003
Occupation or position held	Contract Researcher
Main activities and responsibilities	Development of integrated innovative techniques for the study of environmental risk: toxic gas emanation, geological sequestration of anthropic CO2 and sequestration of long-life radioactive waste.
Name and address of employer	Earth Sciences Department Rome University La Sapienza
Type of business or sector	Research project
Dates	June 2000 - January 2001
Occupation or position held	Consultant
Main activities and responsibilities	Activities regarding environmental remediation
Name and address of employer	ERM Italia s.r.l. Rome (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	February 2000 - February 2000
Occupation or position held	Consultant
Main activities and responsibilities	Activities regarding environmental remediation
Name and address of employer	ERM Italia s.r.l. Rome (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	October 1999 - October 1999
Occupation or position held	Consultant
Main activities and responsibilities	Study regarding the presence of toxic gases in soil gas in the area of Giove village (Terni, central Italy).
Name and address of employer	Giove Municipality. Giove (Terni) (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	September 1999 - September 2001
Occupation or position held	Contract Researcher
Main activities and responsibilities	Development of integrated innovative techniques for the study of environmental risk: toxic gas emanation, geological sequestration of anthropic CO2 and sequestration of

	long-life radioactive waste.
Name and address of employer	Earth Sciences Department, Rome University La Sapienza Rome (Italy)
Type of business or sector	Research project
Dates	June 1999 - September 1999
Occupation or position held	Consultant
Main activities and responsibilities	Hydrogeological study in an industrial site area (Rome)
Name and address of employer	ERM Italia s.r.l. Rome (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	May 1999 - July 1999
Occupation or position held	Consultant
Main activities and responsibilities	Hydrogeological study in the area of the industry of bottled mineral water of the Rome town.
Name and address of employer	ERM Italia s.r.l. Rome (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	Dec 1998
Occupation or position held	Consultant
Main activities and responsibilities	Analysis of the indoor air for CO ₂ and Rn in the Jewish Catacombs of Villa Torlonia (Rome)
Name and address of employer	Soprintendenza Archeologica di Roma Rome (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	June 1998 - June 1998
Occupation or position held	Consultant
Main activities and responsibilities	Study of areas treated with herbicide "Cyanamid Italia Agricoltura" S.p.A
Name and address of employer	Studio Geologico Tecnico Dott. Geol. A. Gerardi (Italy)
Type of business or sector	Professional, scientific and technical activities
Dates	March 1998 - March 199
Occupation or position held	Consultant
Main activities and responsibilities	Soil gas surveys, analysis and data interpretation
Name and address of employer	UNIGEO s.r.l.
Type of business or sector	Professional, scientific and technical activities
Dates	May 1997 - July 1999
Occupation or position held	Contract Researcher
Main activities and responsibilities	Seismic Hazard Zonation with a Multidisciplinary Approach, Using Fluid-geochemistry Methods" (ENV4-CT96-0291) Project of Research Into Gas Generation and Migration in Radioactive Waste Repository Systems" (F14W-CT96-0024) "Natural Analogue of the Thermo-Hydrochemical and Thermo-Idromechanical Response of Clay Barriers" - (CEE F14 CT 950014).
Name and address of employer	Earth Sciences Department, Rome University La Sapienza Rome (Italy)
Type of business or sector	Research Projects

Dates	October 1993 - February 1997
Occupation or position held	PhD student
Main activities and responsibilities	
Name and address of employer	Earth Sciences Dept., University of Rome La Sapienza P.le A Moro 5, 00185 Rome (Italy)
Type of business or sector	
Dates	September 1993 - June 1995
Occupation or position held	Teacher of Sciences, Chemistry and Geography
Main activities and responsibilities	Teacher at Scientific High School
Name and address of employer	Francesco della Madonna Institute, Viale Trastevere 251, 00153 Rome (Italy)
Type of business or sector	Education
Dates	May 1993 - March 1994
Occupation or position held	Contract Researcher
Main activities and responsibilities	EC project "Analysis of the Geoenvironmental Conditions as Morphological Evolution Factors of the Sand-clay Series of the Tiber Valley and Dunarobba Forest Preservation" Project. Soil gas surveys, analysis and data interpretation
Name and address of employer	Earth Sciences Dept, Rome University La Sapienza P.le A Moro 5, 00185 Rome (Italy)
Type of business or sector	Research Project
Dates	April 1991 - April 1993
Occupation or position held	Contract Researcher
Main activities and responsibilities	The Refinement of Soil Gas as a Geological Investigative Technique". Soil gas surveys, analysis and data interpretation Soil gas surveys, analysis and data interpretation
Name and address of employer	Earth Sciences Dept., Rome University La Sapienza P.le A. Moro 5, 00185 Rome (Italy)
Type of business or sector	Research Project
Dates	September 1990 - November 1990
Occupation or position held	Consultant
Main activities and responsibilities	Analysis of the fracture field in the area of Sicani Mts.(central Sicily). Field structural survey, geomorphological analysis of aerial photos, data analysis and interpretation
Name and address of employer	GEOLAB s.r.l. Rome (Italy)
Type of business or sector	Professional
Dates	December 1981 - March 1982
Occupation or position held	Temporary employment (3 months) art. 3, Law 14/12/65 n° 1376 Main Postal Office
Main activities and responsibilities	
Name and address of employer	Main Postal Office, Fiumicino Airport, 00126 Rome (Italy)
Type of business or sector	
Dates	November 1980 - February 1981
Occupation or position held	Temporary employment (3 months) art. 3, Law 14/12/65 n° 1376 Main Postal Office
Main activities and responsibilities	
Name and address of	Main Postal Office Ternini Railway Station, 00185 Rome (Italy)

employer
Type of business or sector

Personal skills and competences

Mother tongue(s) Italian

Other language(s) English

Self-assessment **Understanding** **Speaking** **Writing**
European level (*) Listening Reading Spoken interaction Spoken production

C1 C2 C1 C1 C1

(*) Common European Framework of Reference (CEF) level

Social skills and competences

1. Optimum adaptation to the work group
2. Good ability to adapt to multicultural environments gained through my working experience in several EC projects
3. Good communication skills gained through my teaching experience in different Universities
4. Good social communication skills and competence to working with other people gained through my sport experience as volleyball coach in the national league since 1992

Organisational skills and competences

1. Leadership responsible for a research team of Italian and foreign researchers acquired in several EC research project;
2. Sense of organisation acquired in several EC research project
3. Coordinating the teaching and tutoring activities of students during their degree and Ph.D. courses EC research project;
4. Good experience in project or team management.

Technical skills and competences

1. Good command of coordinating the activities of students and researchers (Italian and foreigners) both in the field and the laboratory within some of the project activities;
2. Increasing the knowledge regarding the application of different research techniques

Computer skills and competences

1. Very Good command of Microsoft Office™ tools
2. Very Good command of main statistical and geostatistical packages
3. Very Good command of GIS
4. Good command of the three-dimensional groundwater flow and contaminant transport modeling by using Visual MODFLOW facilities.
5. Good command in the construction of geological models of reservoir structure and stratigraphy.
6. Good command of CAD and draw software packages
7. Specific knowledge of some analytical instrumentations (i.e. gaschromatograph, radon detector, portable devices for field analysis of some gaseous species

Artistic skills and competences

I study music and for about 15 years I was a professional opera singer in major Italian and foreign theatres and for 3 years (1993-1996) I was employed in the choir of the National Academy of S. Cecilia in Rome

Other skills and competences

Since 1992 I am volleyball coach of national level

Driving licence(s)

A1, A, B, B1, BE

Publications

Title: Mapping the geogenic radon potential and radon risk by using Empirical Bayesian Kriging regression: a case study from a volcanic area of central Italy

Authors: Giustini F., Ciotoli G., Rinaldini A., Ruggiero L., Voltaggio M.
Source: Science of the Total Environment., STOTEN 30460, 661, 449-464,
<https://doi.org/10.1016/j.scitotenv.2019.01.146>

Title: Sediment-Hosted Geothermal Systems: review and first global mapping
Authors: Procesi M., Ciotoli G., Mazzini A., Etiope G.
Source: Earth Science Review, 192, 529-544, doi.org/10.1016/j.earscirev.2019.03.020

Title: Gridded maps of geological methane emissions and their isotopic signature
Authors: Etiope G., Ciotoli G., Schwietzke S, Schoell M.
Source: Earth Syst. Sci. Data Discuss., 11, 1-22, <https://doi.org/10.5194/essd-11-1-2019>, 2019

Title: A GIS-based procedure for preliminary mapping of pluvial flood risk at metropolitan scale
Authors: Di Salvo C., Pennica F., Ciotoli G., Cavinato G.P.
Source: Environmental Modelling and Software, 107, 64-84, <https://doi.org/10.1016/j.envsoft.2018.05.020>

Title: Coeval Uplift and Subsidence Reveal Magma Recharging Near Rome (Italy).
Authors: Trasatti E., Marra F., Polcari M., Etiope G., Ciotoli G., Darrah T.H., Tedesco D., Stramondo S., Florindo F. Ventura G.
Source: Geochemistry, Geophysics, Geosystem (G3), 19, 1484-1498, [doi: 10.1029/2017GC007303](https://doi.org/10.1029/2017GC007303)

Title: Assessing mantle versus crustal sources for non-volcanic degassing along fault zones in the actively extending southern Apennines mountain belt (Italy)
Authors: Ascione A., Ciotoli G., Bigi S., Buscher J., Mazzoli S., Ruggiero L. Sciarra A., Tartarello M.C., Valente E.
Source: GSA Bulletin (2018), 130 (9-10): 1697-1722, [doi: 10.1130/B31869.1](https://doi.org/10.1130/B31869.1)

Title: Does moderate magnitude earthquake generate seismically induced ground effects? The case study of the Mw = 5.16, 29th December 2013 Matese earthquake (southern Apennines, Italy)
Authors: Valente E., Ascione A., Ciotoli G., Cozzolino M., Porfido S., Sciarra A.
Source: Int J Earth Sci (Geol Rundsch) (2018), 107, 517-537, <https://doi.org/10.1007/s00531-017-1506-5>

Title: Geogenic radon as geophysical/geochemical tracer of active faults: an overview
Authors Ciotoli G., Ruggiero L., Bossew P., Pereira A.J.S.C.
Source: Proceeding of 4th International Conference on Environmental Radioactivity ENVIRA 2017: Radionuclides as Tracers of Environmental Processes, First edition, December 2017, Galina Lujanien, Pavel P. Povinec Eds, ISBN 978-609-95511-4-2

Title: Pluvial flood hazard in the city of Rome
Authors: Di Salvo C., Ciotoli G., Francesco Pennica F., Cavinato G.P.
Source: Journal of Maps Vol. 13, Iss. 2, 2017, [10.1080/17445647.2017.1333968](https://doi.org/10.1080/17445647.2017.1333968)

Title: Continuous monitoring of natural CO2 emissions near Rome – lessons for low-level CO2 leakage detection
Authors: Jones D, Beaubien SE, Lister TR, Graziani S, Finioia MG, Barkwith AKAP, Ruggiero L, Ciotoli G, Bigi S, Lombardi S
Source: ENERGY PROCEDIA, vol. 114, p. 3824-3831, ISSN: 1876-6102, [doi: 10.1016/j.egypro.2017.03.1514](https://doi.org/10.1016/j.egypro.2017.03.1514)

Title: Gis-based methodology for pluvial flood hazard analysis: a case study in the urban area of Rome
Authors: Di Salvo C., Francesco Pennica F., Ciotoli G., Cavinato G.P., Corazza A., Leone F., Gianluca Ferri
Source: Atti Convegno dei Lincei 305, Resilienza delle città d'arte alle catastrofi idrogeologiche: successi e insuccessi delle esperienze italiane.

Title: Soil gas geochemical behaviour across buried and exposed faults during the 24 August 2016 central Italy earthquake
Authors: Ciotoli G., Sciarra A., Ruggiero L., Annunziatellis A., Bigi S.
Source: Annals of Geophysics, 59, Fast Track 5, 2016; DOI: 10.4401/ag-7242

Title: Geographically weighted regression and geostatistical techniques to construct the geogenic radon potential map of the Lazio region: A methodological proposal for the

European Atlas of Natural Radiation,
Authors: Ciotoli G., Voltaggio M., Tuccimei P., Soligo M., Pasculli A., Beaubien S.E., Bigi S.
Source: Journal of Environmental Radioactivity, 166, 355-375 (2016),
<http://dx.doi.org/10.1016/j.jenvrad.2016.05.010>

Title: Tiber delta CO₂-CH₄ degassing: a possible hybrid, tectonically active sediment-hosted geothermal system near Rome
Authors: Ciotoli G., Etiope G., Marra F., Florindo F., Giraudi C., Ruggiero L.
Source: Journal of Geophysical Research, Solid Earth, 121, 48-69, DOI: 10.1002/2015JB01255

Title: Groundwater of Rome
Authors: F. La Vigna, R. Mazza, M. Amanti, C. Di Salvo, M. Petitta, L. Pizzino, A. Pietrosante, L. Martarelli, I. Bonfà, G. Capelli, D. Cinti, F. Ciotoli, G. Ciotoli, G. Conte, A. Del Bon, M. Dimasi, S. Falcetti, R. M. Gafà, A. Lacchini, M. Mancini, S. Martelli, L. Mastrorillo, G. M. Monti, M. Procesi, M. Roma, A. Sciarra, A. Silvi, F. Stigliano & C. Succhiarelli.
Supplementary Material: Hydrogeological Map of Rome
Source: Journal Of Maps, Vol. 12, <http://dx.doi.org/10.1080/17445647.2016.1158669>

Title: La suscettibilità di Roma ai sinkholes antropogenici.
Authors: Ciotoli G., Nisio S., manti M.
Source: Professione Geologo, vol. 46, 14-19, 2016

Title: Distribution and physico-chemical data of Italian Bottled Natural Mineral Waters: an idea for a “healthy” geo-marketing
Authors: Ciotoli G. Guerra M.
Source: Journal of Maps, vol.12, Iss.5, 2016,
<http://dx.doi.org/10.1080/17445647.2015.1096846>

Title: The underground cavities in the territory of Rome: typologies, distribution and sinkhole susceptibility
Authors: Ciotoli G., Ferri G, Nisio S., Succhiarelli C.
Source: Proceedings of International Congress of Speleology in Artificial Cavities Italy, Rome, March 11-17 2015

Title: The using of geostatistical interpolators for the estimation of the geometry of anthropogenic deposits in Rome (Italy) and their physical-mechanical characterization with implications on geohazard assessment.
Authors: Ciotoli G., Stigliano F., Marconi F., Moscatelli M., Mancini M., Cavinato G.P.
Source Environmental Earth Sciences, 74, 2635-2658, DOI 10.1007/s12665-015-4284-z 2015

Title: Early stage sinkhole formation in the Acque Albule basin of central Italy from geophysical and geochemical observations
Authors: Argentieri A., Carluccio R., Cecchini F., Chiappini M., Ciotoli G., De Ritis R., Di Filippo M., Di Nezza M., Marchetti M., Margottini S., Materni V., Meloni F., Nardi A., Rotella G., Sapia V., Venuti A.
Source: Engineering Geology 191, 36–47, 2015

Title: Analisi della suscettibilità ai sinkholes antropogenici nel centro urbano di Roma
Authors: Ciotoli G., Nisio S., Serafini R.
Source: Mem. Descr. Carta Geol. d'It., XCIX (2015), pp. 167-188, ISSN: 0536-0242

Title: Applicazione di analisi statistica multivariata, Rete Neurale Artificiale e metodo euristico per la valutazione della suscettibilità da sinkhole nella piana di S. Vittorino (RI).
Authors: D'Angella A, Nisio S., Ciotoli G.
Source: Mem. Descr. Carta Geol. d'It., XCIX (2015), pp. 239-254, ISSN: 0536-0242

Title: Carta dei sinkholes del Lazio 2012 e sviluppo futuro del progetto sinkhole.
Authors: CIOTOLI G, DI LORETO E, LIPERI L, MELONI F, NISIO S, SERICOLA A
Source: Mem. Descr. Carta Geol. d'It., XCIX (2015), pp. 189-202, ISSN: 0536-0242

Title: Valutazione della suscettibilità agli sprofondamenti nella Piana del Fucino (Italia Centrale) mediante regressione logistica e analisi geospaziale.
Authors: GIUSTINI F, CIOTOLI G, FINOIA MG, NISIO S
Source: Mem. Descr. Carta Geol. d'It., XCIX (2015), pp. 273-284, ISSN: 0536-0242

Title: Valente E, Ascione A., Ciotoli G. Porfido S. New data on the late Quaternary tectonics in the epicentral area of the December 2013 – January 2014 southern Matese area seismic sequence (Southern Apennines)
Rend. Online Soc. Geol. It., Suppl. n. 1 al Vol. 31 (2014) CONGRESSO SGI-SIMP 2014 © Società Geologica Italiana, Roma, 2014, <https://doi.org/DOI:10.3301/ROL.2014.140>

Title: Sinkhole susceptibility, Lazio Region, central Italy.
Authors: Ciotoli G, Di Loreto E., Finoia M.G., Liperi L., Meloni F., Nisio S., Sericola A.
Source: Journal of Maps, 12 (6), 2016, doi:10.1080/17445647.2015.1014939

Title: Analysing a sudden eruption of deep gas near Rome
Authors: Giancarlo Ciotoli, Giuseppe Etiope, Fabio Florindo, Fabrizio Marra, Livio Ruggiero, Peter E. Sauer
Source: EOS, TRANSACTIONS, vol. 95, 2014

Title: Mantle derived CO₂ migration along active faults within an extensional basin margin (Fiumicino, Rome, Italy)
Bigi S., Beaubien S.E., Ciotoli G., D'Ambrogi C., Doglioni C., Ferrante V., Lombardi S., Milli S., Orlando L., Ruggiero L., Tartarello M.C., Sacco P.
Tectonophysics, 637, 137-149, 2014

Title: Soil gas distribution in the main coseismic surface rupture zone of the 1980, Ms=6.9, Irpinia earthquake (southern Italy)
Authors: Ciotoli G., Ascione A., Bigi S., Lombardi S., Mazzoli S.
Journal of Geophysical Research, 119/3, 2440–2461, 2014 DOI:10.1002/2013JB010508

Title: The importance of baseline surveys of near-surface gas geochemistry for CCS monitoring, as shown from onshore case studies in northern and southern Europe.
Authors: Beaubien S.E.; Ruggiero L.; Annunziatellis A.; Bigi S.; Ciotoli G.; Deiana P.; Graziani S.; Lombardi S.; Tartarello C.
Source: Oil and Gas Science Technology Journal, Rev. IFP Energies nouvelles, Copyright © 2014, IFP Energies nouvelles, DOI: 10.2516/ogst/2014009

Title: Sudden deep gas eruption nearby the Rome's airport of Fiumicino
Authors: Giancarlo Ciotoli, Giuseppe Etiope, Fabio Florindo, Fabrizio Marra, Livio Ruggiero, Peter E. Sauer
Source: Geophysical Research Letters, vol. 40,1-5; DOI:10.1002/2013GL058132, 2013
Paper selected as AGU spotlight and featured in EOS with the title "Analyzing a sudden eruption of deep gas near Rome" Paper number: 2013GL058132.

Title: A spatial statistical approach to map the risk of milk contamination by β -HCH in dairy cattle farms
Authors: Sabrina Battisti, Antonino Caminiti, Giancarlo Ciotoli, Valentina Panetta, Pasquale Rombolà, Marcello Sala, Alessandro Ubaldi, Paola Scaramozzino
Source: Geospatial Health, 8 (1), 77-86, 2013

Title: Anthropogenic sinkholes in the territory of Roma Capitale
Authors: Ciotoli G., Corazza A., Finoia M.G., Nisio F., Serafini R., Succhiarelli C.
Source: Mem. Descr. Carta Geol. d'It. XCIII (2013), pp. 143-182

Title: The Unified Regional Catalog of Latium sinkholes and its risk areas
Authors: Meloni F., Nisio S., Ciotoli G., Liperi L., Tonelli V., Zizzari P.
Source: Mem. Descr. Carta Geol. d'It. XCIII (2013), pp. 261-297, figg. 39, tab. 1

Title: Susceptibility to anthropogenic sinkholes in the Naples district
Authors: Basso N., Ciotoli G., Finoia M.G., Guarino P.M., Miraglino P., Nisio S.
Source: Mem. Descr. Carta Geol. d'It. XCIII (2013), pp. 73-104, figg. 25, tabb. 3

Title: Monitoring of near-surface gas geochemistry at Weyburn, Canada, CO₂-EOR site, 2001-2011.
Authors: Beaubien S.E., Jones D.G., Gal F., Barkwith A.K.A.P., Braibant G., Baubron J-C., Ciotoli G., Graziani S., Lister T.R., Lombardi S., Michel K., Quattrocchi F., Strutt M.H.
Source: International Journal of Greenhouse Gas Control 16S (2013) S236–S262
<http://dx.doi.org/10.1016/j.ijggc.2013.01.013>

Title: The regional Catalog of Latium sinkholes and susceptibility map construction using geospatial analysis
Authors: Meloni F, Nisio S, Ciotoli G, Liperi L, Finoia MG, Zizzari P.
Source: RENDICONTI ONLINE DELLA SOCIETÀ GEOLOGICA ITALIANA, vol. 21,

Title: Mapping the Anthropic Backfill of the Historical Center of Rome (Italy) by Using Intrinsic Random Functions of Order k (IRF- k)

Authors: Ciotoli G., Stigliano F., Marconi F., Moscatelli M., Mancini M., Cavinato G.P.

Source: Computational Science and Its Applications ICCSA 2011, International Conference Santander, Spain, June 20-23, 2011 Proceedings, Part I, Beniamino Murgante Osvaldo Gervasi Andrés Iglesias David Taniar Bernady O. Apduhan (Eds.), © Springer-Verlag Berlin Heidelberg 2011, DOI 10.1007/978-3-642-21928-3. Pubblicato 2011

Title: Uranium and radium in water samples around the Nikola Tesla B lignite-fired power plant – Obrenovac, Serbia.

Authors: Z. S. Zunic, J. W. Mietelski, S. B. Radanovic, R. Kierepko, G. Ciotoli, I. T. Celikovic, P. N. Ujic, D. M. Kistic, M. Bartyzel, J. Bogacz, V. I. Udovicic, and R. D. Simovic

Source: Nuclear Technology & Radiation Protection, 26(1), 11-17. Pubblicato 2011

Title: The Pedological Heritage of the Alps: Considerations on Features, Distribution and Evolution of Soils in the Dolomites (North Italy)

Authors: Zilioli D.M., Claudio Bini C., Wahsha M., Ciotoli G.

Source: Geomorphology, 135(3-4), 232-247. Pubblicato 2011

Title: Seismic interpretation of the Laga basin; constraints on the structural setting and kinematics of the Central Apennines

Authors: Bigi S., Casero P., Ciotoli G.

Source: Journal of the Geological Society, London, 168, 1-11. Pubblicato 2011

Title: La Microzonazione sismica di Livello 1 dei Comuni della Provincia di Foggia: metodologie di studio e primi risultati

Authors: Cavinato G.P., Cavuoto G., Ciotoli G., Coltella M., Cosentino G., Paolucci E., Peronace E., Castorani A., Di Santo A.R., Trulli I., Fiore A.

Source: XIV Convegno ANIDIS “L’ingegneria sismica in Italia”, Bari 18-22 settembre 2011, Pubblicato 2011.

Title: Mapping the anthropic backfill thickness of the historical center of Rome (Italy) by using kriging with external drift

Authors: Ciotoli G., Stigliano F., Marconi F., Moscatelli M., Cavinato G.P., Cavuoto G., Corazza A., Mancini M., Pagliaroli A., Pennica F., Vallone R.

Source: Rendiconti Online della Società Geologica Italiana, Vol.1, Pag. 67-68, Pubblicato 2010.

Title: Characterization of a CO₂ Gas Vent Using various Geophysical and Geochemical Methods

Authors: Elena Pettinelli, Stan E. Beaubien, Annalisa Zaja, Antonio Menghini, Nicola Praticelli, Elisabetta Mattei, Andrea Di Matteo, Aldo Annunziatellis, Giancarlo Ciotoli and Salvatore Lombardi

Source: Geophysics, Vol: 75 (3) Pag.: B137–B146. Pubblicato Jun 2010

Title: New and established techniques for surface gas monitoring at onshore CO₂ storage sites

Authors: Jones D.G., Barlow T., Beaubien S.E., Ciotoli G., Lister T.R., Lombardi S., May F., Möller I., Pearce J.M., R.A. Shaw

Source: Energy Procedia, Vol: 1 (1), Pag.: 2127-2134 Pubblicato: Feb 2010

Title: - Nuovi dati sui sinkholes del bacino delle Acque Albule (Tivoli, Roma)

Authors: Annunziatellis A., Ciotoli G., Guarino P.M., Nisio S.

Source: Atti del 2° Workshop Internazionale “I sinkholes. Gli sprofondamenti catastrofici nell’ambiente naturale ed in quello antropizzato”, Roma 3-4 Dicembre 2009, Auditorium ISPRA, Via Curtatone 7, 00185 Roma. Pubblicato 2010

Title: - Metodologie geologiche e geochemiche applicate allo studio dei sinkholes della piana del Fucino (Italia centrale)

Authors: Giustini F., Brillì M., Ciotoli G., Lombardi S., Nisio S.

Source: Atti del 2° Workshop Internazionale “I sinkholes. Gli sprofondamenti catastrofici nell’ambiente naturale ed in quello antropizzato”, Roma 3-4 Dicembre 2009, Auditorium ISPRA, Via Curtatone 7, 00185 Roma. Pubblicato 2010

Title: Identification and assessment of elevated exposure to natural radiation in Balkan

region (Serbia)
Authors: Z.S. Žunic , I.V. Yarmoshenko , N. Veselinovic , M.V. Zhukovsky ,P.Ujic , A. Birovljev, J. Paridaens, F. Trotti, S. Tokonami, P. Olko, K. Kozak, K. Fujimoto, F. Bochicchio, R. Ramola, J.W. Mietelski, B. Jakupi, G. Milic, G. Ciotoli, M. Budzanowski, S.K. Sahoo, H. Vanmarcke, K. Kelleher, M.P.R. Waligorsk
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EU Projects

1. Pre-injection offshore baseline survey. ENEL - contract n. 1400015684 del 09/06/2010.
2. SiteChar. Characterisation of European CO₂ storage - FP7-ENERGY-2010-1. EC contract n. 256705
3. Pan-European coordination action on CO₂ Geological Storage (CGS Europe) - FP7-ENERGY-2010-1. EC contract n. 256725
4. CO₂ geological sequestration: geochemical techniques for the storage, safety and monitoring verification at the selected sites. Significant Bilateral Project, Italy-China, CNR-CAS. IGAG n.0001393 del 30/09/2009
5. Research into Impacts and Safety in CO₂ Storage (RISCS) - FP7-ENERGY-2009. EC contract n. 240837
6. CO₂ GeoNet – Network of Excellence on Geological Sequestration of CO₂ – EC contract n.502816 (2004-2009)
7. CO₂ Geological Storage: Research into Monitoring and Verification Technology – EC contract n° 518350.
8. Monitoring and Verification of CO₂ Storage and ECBM in Poland (MOVECBM) – EC contract n° 038967.
9. Assessment of Environmental Risk for Use of Radioactively Contaminated Industrial Tailings (INTAILRISK) – EC n° FP6-2002-INCO-WBC-1 (INCO-2002-C.1.2) (2004-2006).
10. Contribution of high-intensity gas seeps in the Black Sea to methane emission to the atmosphere (CRIMEA). Fifth Framework Programme “Energy, Environment and Sustainable Development” (EESD Project, n° EVK2001-00322, February 1, 2003 – August 31, 2005).
11. The Weyburn CO₂ monitoring project. EC project n° NNE 5-2000-00096. (2001-2003)
12. Natural analogue to the storage of CO₂ in the geological environment (NASCENT). EC contract n° ENK5-CT2000-00303. (2004-2006)
13. Seismic Hazard Zonation with a Multidisciplinary Approach, Using Fluid-geochemistry Methods (ENV4-CT96-0291) (Programma RTD - Environmental and Climate).
14. Project of Research Into Gas Generation and Migration in Radioactive Waste

Repository Systems (EC contract n°F14W-CT96-0024) (Programma RTD - Nuclear Fission Safety). (1996-1999)

15. Natural Analogue of the Thermo-Hydrochemical and Thermo-Idromechanical Response of Clay Barriers - (EC contract n° F14 CT 950014). (1996-1999)
16. Analysis of the Geoenvironmental Conditions as Morphological Evolution Factors of the Sand-clay Series of the Tiber Valley and Dunarobba Forest Preservation. (EC contract n° FI2W/0121). (1992-1994)
17. The Refinement of Soil Gas as a Geological Investigative Technique". 4th CEC R&D Programme on Management and Storage of Radioactive Waste (1990-1994, EC contract n° FI2W-CT91-0064).

Italian Projects

1. Anno 2012. Regione Lazio e Centro di Ricerca CERI, Università di Roma "Sapienza". Proposta di ricerca per la valutazione della variabilità spazio-temporale della CO₂ nei gas del suolo"
2. Anno 2012. Regione Lazio e Centro di Ricerca CERI, Università di Roma "Sapienza". "Restituzione cartografica di mappe della concentrazione dei gas nel suolo nel settore meridionale del Comune di Fiumicino, zona di Isola Sacra
3. Anno 2005. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza". Indagini geofisiche per determinare le cause dei dissesti agli edifici di Via Cesare Augusto, e aree limitrofe, in località Bagni di Tivoli (Roma): analisi di campioni di acqua e di gas.
4. Anno 2003. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 3359 del 23/06/2003. **Rilievi geofisici e studi geochimici nella piana di S. Vittorino (RI) per l'individuazione di zone soggette a rischio sinkhole.**
5. Anno 2003. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 3358 del 23/06/2003. **Monitoraggio spazio-temporale delle zone ad emissione anomala di gas nocivi nelle aree di Cava dei Selci e Vigna Fiorita (Comuni di Ciampino e Marino).**
6. Anno 2001. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 653 del 03/10/2001. **Approfondimento dello studio delle emanazioni gassose nocive nella fascia ovest dei Colli Albani-Tor Caldara: completamento sui territori dei Comuni di Marino, Ciampino e Roma sud-est.**
7. Anno 2001. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 654 del 03/10/2001. **Monitoraggio continuo e discontinuo di parametri chimici e fisici nella Piana di Cotilia (RI).**
8. Anno 2001. ASE Spoleto S.p.A. (Azienda Servizi Energia), Comune di Spoleto Assessorato alle Grandi Opere e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza". **Applicazione di nuove metodologie di monitoraggio ad un sito di prova per la loro verifica e messa a punto di un protocollo operativo.** Dir. Tecnico Ing. G. Rossi (ASE), Resp. Scient. Prof. S. Lombardi DST, Università di Roma "La Sapienza".
9. Anno 2000. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 5284 del 26/06/2000. **Prospezioni geofisiche, studio idrogeologico, analisi di gas e di acque nella Piana di S. Vittorino (RI).**
10. Anno 2000. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 5281 del 26/06/2000. **Piana di S. Vittorino – Castel S. Angelo (Rieti): studi scientifici preliminari per l'individuazione di precursori a rischio e sistemi di monitoraggio.**
11. Anno 2000. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n. 5285 del 26/06/2000. **Studio delle emanazioni gassose nocive nella fascia ovest dei Colli Albani-Tor Caldara. Comune di Ciampino e Comune di Marino.**
 - Anno 1998. Regione Lazio e Dipartimento di Scienze della Terra dell'Università di Roma "La Sapienza" Progetto di ricerca n° 4431, 11711/98, coord. Prof. S. Lombardi. **Gas del suolo nel rischio geologico: rischio da emanazioni gassose nocive nella provincia di Viterbo (piana di Latera, Grotte S. Stefano e Veiano) e nella provincia di Roma (Castel Campanile – Fiumicino).**

Attended Courses

1. Master in European Project Design, Official AICCRE. CENTRO DI FORMAZIONE IN EUROPROGETTAZIONE, VENICE INTERNATIONAL UNIVERSITY ISOLA DI SAN SERVOLO – VENEZIA, 5-9 October 2015
2. Course of Valutatori di Progetti Comunitari di Sviluppo Sostenibile in Campo Energetico e Ambientale. Obiettivo 3 Asse di Misura 2 Progetto 7530. Corso di formazione e-learning cofinanziato dalla Regione Lazio e dal FSE. Il corso è suddiviso in 6 moduli realizzati dal CIRPS (Centro Interuniversitario di Ricerca per lo Sviluppo Sostenibile), dell'Università di Roma "La Sapienza" e da Kiwinet s.r.l. 2005
3. Workshop "Getting Ready for Framework 7" Dr. Sean McCarthy. CNR Rome, 26 Gennaio 2006
4. Course of "Geostatistica Applicata alle Problematiche Ambientali" APAT 22-25 Giugno

- 2004.
5. Course of “*Applied 3D Reactive Transport Modeling using Visual MODFLOW Pro with MODPATH, MD3D99 and RT3D and 1D Reactive Transport using PHREEQC*”. Waterloo Hydrologic, Inc., Dipartimento di Idraulica, Università di Roma “La Sapienza”, Roma 1-4 Luglio 2002
 6. Course of “*3D Groundwater Flow and Solute Transport Modeling using Visual MODFLOW*”. Waterloo Hydrologic, Inc., Università di Trieste . Trieste 3-6 Luglio 2001
 7. Course of “*L'utilizzo delle tecnologie GIS per lo sviluppo dei progetti finalizzati all'analisi delle problematiche di gestione del territorio*” organizzato dalla EARTH s.r.l., Rome
 8. Course of “*Geochimica Ambientale*” organizzato dal Dipartimento della Protezione Civile della Presidenza del Consiglio dei Ministri e dal Gruppo informale di Geochimica con la collaborazione del C.N.R. - Progetto strategico grandi aree urbane - e dell'Università di Genova, 22. Centro Polifunzionale della Protezione Civile, Castelnuovo di Porto...22-26 Maggio 1996
 9. Course of “*Primo Corso di Cromatografia e Tecniche Affini per l'Analisi Ambientale*” organizzato dalla Società Chimica Italiana - Divisione di Chimica Analitica - Gruppo di Cromatografia e dal Consorzio Nazionale Interuniversitario la Chimica per l'Ambiente
 10. Course of “*Environmental Geology*”. SIGEA Società Italiana di Geologia Ambientale ...22-25 Giugno 1994
 11. Course of “*The Geology of Foreland and Thrusts Belts*” (45 ore). Dipartimento di Scienze della Terra dell'Università di Siena 30 March-4 April 1992
 12. Course of “*Informatica e Cartografia come Supporto per la Valutazione di Impatto Ambientale*” ANTA (Associazione Nazionale per la Tutela dell'Ambiente), Novembre-Febbraio 1991.

Public Competition Results

1. Acceptability for competition as a researcher at National Research Council CNR (2011)
2. Winner of competition full position of senior researcher at Ente Italiano per la Montagna (EIM ex IMONT) P.za dei Caprettari, 70 00186 Roma (2005)
3. Winner of competition contract researcher at Agenzia per la Protezione dell'Ambiente e per i Servizi Tecnici APAT, Via Curtatone 3, 00185 Roma (2005)
4. Acceptability for competition as researcher at l'Autorità di Bacino del Fiume Tevere (1999).
5. Acceptability for competition as researcher at l'ISPESL (1999).
6. Acceptability for competition as researcher at l'ING (Istituto Nazionale di Geofisica) (1993).
7. Acceptability for competition as researcher at l'ING (Istituto Nazionale di Geofisica) (1992).

INTERESTS Sports

I have been playing volleyball at a professional level since 1980. I am a certified volleyball coach for national teams since 1993 and I was the responsible of a junior sector and the coach of a professional volleyball team of the national league of B and C levels

The undersigned Giancarlo Ciotoli claimed to be aware of where it may incur criminal penalties, under the article 76 of Presidential Decree 28 December 2000, N° 445, in the case of statements false. This declaration is true under the rules in the matter of substitute statement according to the articles 46 and following of the Presidential Decree 445/2000. I authorize the processing of personal data according to Legislative Decree N° 196/03.

Rome, 1th December 2019

Signature
Giancarlo Ciotoli

