

Curriculum Vitae

Personal information



First name(s) / Surname(s) **Nikolaos Evangeliou**
Address 81 Ostadalsveien, 0753 Oslo, Norway
E-mail(s) Nikolaos.Evangeliou@nilu.no, ch02120@gmail.com
Nationality Greek Date of birth 29 May 1979
Gender Male Marital status Married, 3 children

Work experience

Dates	1 October 2016 – today
Occupation or position held	Senior Researcher
Main activities and responsibilities	Atmospheric dispersion modelling, model evaluation against observations, inverse modelling and source emission optimisation.
Name and address of employer	NILU - Norsk institutt for luftforskning (Norwegian Institute for Air Research), PO Box 100, 2027 Kjeller, Norway.
Dates	1 October 2014 – 30 September 2016
Occupation or position held	Research Scientist (permanent)
Main activities and responsibilities	Atmospheric transport and deposition using FlexPart dispersion model and model evaluation against observations. Inverse modelling and source emission optimisation.
Name and address of employer	NILU - Norsk institutt for luftforskning (Norwegian Institute for Air Research), PO Box 100, 2027 Kjeller, Norway.
Dates	1 June 2014 – 30 September 2014
Occupation or position held	Research Assistant (Post doc)
Main activities and responsibilities	Quantifying the contributions of fire emissions from forests, grasslands, and agriculture to Black Carbon in Siberia and the Former Soviet Union.
Name and address of employer	Commissariat à l'Energie Atomique et aux énergies alternatives (CEA), Centre Nationale de la Recherche Scientifique (CNRS), Université de Versailles Saint Quentin (UVSQ), Institut Pierre and Simon Laplace (IPSL), Laboratoire des Sciences du Climat et de l'Environnement (LSCE), L'Orme des Merisiers - Bat 712, Bureau 110, 91191 Gif sur Yvette, Cedex, France & United States Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory, Missoula, MT, U.S.A.
Dates	1 January 2012 – 28 February 2014
Occupation or position held	Post doctoral researcher
Main activities and responsibilities	Modeling the spread of radionuclides in Chernobyl contaminated areas after fire events. Risk to human and non-human biota.
Name and address of employer	Commissariat à l'Energie Atomique et aux énergies alternatives (CEA), Centre Nationale de la Recherche Scientifique (CNRS), Université de Versailles Saint Quentin (UVSQ), Institut Pierre and Simon Laplace (IPSL), Laboratoire des Sciences du Climat et de l'Environnement (LSCE), L'Orme des Merisiers - Bat 712, Bureau 110, 91191 Gif sur Yvette, Cedex, France.
Dates	1 September 2010 – 31 December 2011

Occupation or position held	Post doctoral researcher
Main activities and responsibilities	Chemical analyses of Cs-137, Sr-90 and mixed-fission products for the Greek monitoring system. Preparation and gamma spectrometric measurements of consuming goods constructing and other materials for the provision of services program of Environmental Radioactivity Laboratory.
Name and address of employer	National Centre for Scientific Research "Demokritos" (NCSR), Institute of Nuclear Technology – Radiation Protection (INT-RP), Environmental Radioactivity Laboratory (ERL), Patriarhou Grigoriou, 15310 Agia Paraskevi – Attiki, Greece.
Dates	10 February 2010 - 09 July 2010
Occupation or position held	Analyst
Main activities and responsibilities	Chemical analyses of metals, carbon, sulfur in different samples provided to the Greek army using AAS and Elemental Analysis. Salt corrosion tests in metal samples.
Name and address of employer	Ministry of Defence, Hellenic Army, Hellenic Army Chemical Laboratory, 1 Argiroupoleos, 18755 Keratsini – Attiki, Greece.
Dates	01 June 2006 - 20 August 2010
Occupation or position held	Research fellow
Main activities and responsibilities	Oceanographic studies using radionuclides as tracer tools.
Name and address of employer	National Centre for Scientific Research "Demokritos" (NCSR), Institute of Nuclear Technology – Radiation Protection (INT-RP), Environmental Radioactivity Laboratory (ERL), Patriarhou Grigoriou, 15310 Agia Paraskevi – Attiki, Greece
Dates	01 February 2004 - 31 August 2005
Occupation or position held	Research fellow
Main activities and responsibilities	Assessment of comparative consequences of radiological and chemical pollution in natural populations of aquatic organisms. A discrimination parameter based on the evolution of chromosomal vitiations.
Name and address of employer	National Centre for Scientific Research "Demokritos" (NCSR), Institute of Nuclear Technology – Radiation Protection (INT-RP), Environmental Radioactivity Laboratory (ERL), Patriarhou Grigoriou, 15310 Agia Paraskevi – Attiki, Greece
Education and training	
Dates	17 October 2005 - 03 May 2010
Title of qualification awarded	Ph.D. in Chemistry
Principal subjects / occupational skills covered	Study on the distribution of radioisotopes and trace elements in the marine environment (DOI:10.12681/eadd/28708).
Name and type of organisation providing education and training	National and Kapodistrian University of Athens (Department of Chemistry), University Campus, Zografou, 15771 Athens (Greece)
Level in national or international classification	Honours
Dates	01 October 2003 - 05 July 2005
Title of qualification awarded	M.Sc. in Environmental Chemistry
Principal subjects / occupational skills covered	Cesium – 137 horizontal dispersion and vertical distribution in the water column of Corinthiakos and Patraikos Gulf: Determination of activity concentrations using two methods, in comparison.
Name and type of organisation providing education and training	National and Kapodistrian University of Athens (Department of Chemistry), University Campus, Zografou, 15771 Athens (Greece)

Level in national or international classification Honours

Dates 01 October 1998 - 25 July 2003

Title of qualification awarded B.Sc. in Chemistry

Name and type of organisation providing education and training University of Ioannina (Department of Chemistry), University Campus, Ioannina, 45110 Ioannina (Greece)

Level in national or international classification 6.35/10.00

Personal skills and competences

Mother tongue(s) **Greek**

Other language(s)

Self-assessment
European level ()*

English

Norwegian (Bokmål)

Listening				Reading				Writing	
C1		Proficient user		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

- Team spirit;
- Good ability and willingness to work under a tight timetable;
- Determination in setting goals and reaching them;
- Very good knowledge of various aspects of Environmental Chemistry;
- Good and polite character with a general desire for further education.

Organisational skills and competences

- Supervision of educational projects (responsible for the design and data interpretation in M.Sc. projects).

Computer skills and scientific programming

- Unix / Linux; Ferret NOA PMEL, Unidata Integration Data Viewer (IDV) and Alfred Wegener Institute for Polar and Marine Research (AWI) Ocean Data View (ODV);
- Fortran 77/90 scientific programming;
- Python 2.7/3 scientific programming;
- Text editing manipulation using GNU Emacs and Vim, netCDF Operator (NCO);
- Excellent command of Microsoft Office tools (graduate of European Computer Driving Licence - ECDL - by the Greek Computer Society);
- Graphic design applications (GNU Image Manipulation Program – GIMP), Statistical applications (OriginPro, Statistica).

Other skills and competences

- Sports, Blogging (Personal Blog: <https://folk.nilu.no/~nikolaos/index.html>)

Driving licence(s)

B

Honors and awards

- Post Graduate Fellowship from the National and Kapodistrian University of Athens for high score in M.Sc. Program (July 2005)
- Post Graduate Four-Year Doctoral Fellowship from the National Centre for Scientific Research, “Demokritos” after outstanding performance in examinations (December 2006).

Additional information

- Teaching Experience (October 2003 – March 2005: Supervision and demonstration in

laboratory exercises on Environmental Chemistry and Chemical Oceanography, National and Kapodistrian University of Athens, Department of Chemistry, Laboratory of Environmental Chemistry);

Major funded research projects

1. Emissions and spread of ^{220}Rn from Oncoinvent, Nydalen (Utslipp og spredning av ^{220}Rn fra Oncoinvent, Nydalen), service for emissions evaluation submitted to DSA coordinator: Dr. Tore Flatlandsmo Berglen, NILU – Norwegian Institute for Air Research, Norway, budget: 414 thousand kroner).
2. Quantification of Global Ammonia Sources constrained by a Bayesian Inversion Technique (COMBAT), **May 2018 – December 2022** funded by ROMFORSK — Program for romforskning of the Research Council of Norway (Project ID: 275407, coordinator: Dr. Nikolaos Evangeliou, NILU – Norwegian Institute for Air Research, Norway, budget: 7.5 million kroner), website: <https://www.forskingsradet.no/prosjektbanken/#/project/NFR/275407>.
3. Critical steps in understanding land surface – atmosphere interactions: from improved knowledge to socioeconomic solutions (CRUCIAL), **December 2016 – December 2017** funded by the Nordic-Russian Cooperation Programme in Education and Research of NordForsk (Project ID: 81257, coordinator: Dr. Markku Kulmala, University of Helsinki, budget for NILU: 388 thousand kroner), website: <https://www.nordforsk.org/sv/node/518>.
4. Source-Term Determination of Radionuclide Releases by Inverse Atmospheric Dispersion Modelling (STRADI), **September 2014 – April 2017** funded by the Czech-Norwegian Research Programme (CZ09) program of the Research Council of Norway (Project ID: 7F14287, coordinator: Dr. Vaclav Smidl, UTIA - Institute of Information Theory and Automation, Czechia, budget: 795 thousand euros), website: <https://ceagrants.org/project-portal/project/CZ09-0006>.
5. The Role of Short-Lived Climate Forcers in the Global Climate, **June 2014 – December 2017** funded by KLIMAFORK program of the Research Council of Norway (Project ID: 235548, coordinator: Dr. Steffen Kallbekken, CICERO Senter for Klimaforskning, Norway, budget: 15.5 million kroner), website: <https://www.forskingsradet.no/prosjektbanken/#/project/NFR/235548>.
6. Emissions of Short-Lived Climate Forcers near and in the Arctic (SLICFONIA), **January 2014 – January 2016** funded by the NORRUSS research program of the Research Council of Norway (Project ID: 233642, coordinator: Dr. Andreas Stohl, NILU – Norwegian Institute for Air Research, Norway, budget: 4.2 million kroner), website: https://www.forskingsradet.no/prognett-geopolitikk-nord/Nyheter/NOK_255_million_to_NorwegianRussian_polar_and_petroleum_research/1253991144397&lang=en.
7. Quantifying the Contributions of Fire Emissions from Forests, Grasslands, and Agriculture to Black Carbon in Siberia and the FSU, **March 2014 – August 2014** (Coordinator: Dr. Wei Min Hao, United States Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory, Missoula, MT, USA).
8. Radioactivity, climate, fire and human health: A second Chernobyl catastrophe about to happen? (RadioClimFire), Paris Research Consortium Climate-Environment-Society (GIS-CLIMAT), **January 2012 – February 2014** (Coordinator: Dr. Anders Pape Møller, Laboratoire d'Ecologie, Systématique et Evolution. CNRS UMR 8079, Université Paris-Sud, France), website: http://www.gisclimat.fr/sites/default/files/Moller_102014.pdf.

International project referee

European Research Council
NASA – National Aeronautics and
Space Administration (2018)
University of the Aegean, Greece
(2017).

Evaluator, ERC Consolidator Grants (<https://erc.europa.eu/funding/consolidator-grants>)
Panel member, Atmospheric Composition: Modelling and Analysis (ACMAP) (<https://science.nasa.gov/earth-science/programs/research-analysis/atmospheric-composition/>).
Evaluator, Programme YPATIA (<https://www.ru.aegean.gr/ypatia/php/start.php>).

National Research Development and Innovation, Hungary (2017)	Evaluator, NKFIH funding scheme (http://nkfi.gov.hu).
Ruder Bošković Institute (2021)	Evaluator, Committee for promotion to Senior Scientist.
International journal referee	
Elsevier	Journal of Environmental Radioactivity, Environment International, The Science of the Total Environment, Deep Sea Research I, Environment International, Progress in Nuclear Energy, Atmospheric Pollution Research.
Springer Nature	Communications Earth & Environment, Nature Reviews Earth & Environment
Springer	Environmental Monitoring and Assessment, Environmental Science and Pollution Research.
Royal Society of Chemistry	Journal of Environmental Monitoring.
American Chemical Society	Environmental Science and Technology, Environmental Science and Technology Letters.
European Geosciences Union	Atmospheric Chemistry and Physics, Earth System Science Data.
Community services	
2018 – today	Board member, Nordic Society for Aerosol Research (http://www.nosa-aerosol.org).
2016 – today	Member, European Geosciences Union, Austria (https://www.egu.eu).
2004 – today	Member, Hellenic Nuclear Physics Society, Greece.
2003 – today	Member, Hellenic Association of Chemists, Greece.
Monitoring activities / services	<ul style="list-style-type: none"> - Radioactivity measurements of consuming goods, constructing and other materials for radiological quality assessment (issued certificates). - Designing and evaluation of environmental studies.
Seminars and training courses	<ol style="list-style-type: none"> 1. “Inverse and forward modeling after accidental releases. The case of Fukushima (Japan)”, 29 June – 3 July 2015, Greece (Invited lecture). 2. “Nuclear Techniques and the Environment”, 6-9 February 2012, Slovak Republic (Invited lecture). 3. IAEA - RER/7/003 - Final Technical Meeting, Budva, Montenegro, 1-5 November 2010. 4. IAEA - C7-RER-7.005-002, 2010. "Regional training course on radiation protection of the environment for junior specialists", IAEA & NCSR "Demokritos", Athens, Greece, 4-8 October 2010. 5. IAEA – RER/8/009, 2008. “Regional training course on validation, evaluation, and interpretation of data generated from airborne particulate matter measurements”, IAEA & Institute of Nuclear Physics of Tirana, Tirana, Albania, 23-27 June 2008. 6. IAEA – RER/7/003, 2007. “International scientific cruise to Adriatic and Ionian seas”, IAEA & Department for Radiation Protection – Institute for Medical Research and Occupational Health of Croatia, Adriatic Sea, 24 September 2007 – 5 October 2007. 7. IAEA – RER/7/003, 2007. “Regional training course on analytical methods and quality management in marine environmental radioactivity studies”, IAEA, Karlsruhe, Germany, 18-29 June 2007. 8. IAEA – RER/7/003, 2007. “Planning and coordination meeting”, IAEA & GAEC, Athens, Greece, 15- 16 March 2007. 9. IAEA – RER/7/003, 2006. “Regional advanced training course on sampling, sample preparation and analysis for the measurement of radionuclides in the marine environment”, IAEA & Rudger Boskovic Institute of Croatia Rovinj, Croatia, 2-12 May 2006.

EUROPEAN LANGUAGE LEVELS - SELF ASSESSMENT GRID

		A1	A2	B1	B2	C1	C2
U N D E R S T A N D I N G	Listening	I can understand familiar words and very basic phrases concerning myself, my family and immediate concrete surroundings when people speak slowly and clearly.	I can understand phrases and the highest frequency vocabulary related to areas of most immediate personal relevance (e.g. very basic personal and family information, shopping, local area, employment). I can catch the main point in short, clear, simple messages and announcements.	I can understand the main points of clear standard speech on familiar matters regularly encountered in work, school, leisure, etc. I can understand the main point of many radio or TV programmes on current affairs or topics of personal or professional interest when the delivery is relatively slow and clear.	I can understand extended speech and lectures and follow even complex lines of argument provided the topic is reasonably familiar. I can understand most TV news and current affairs programmes. I can understand the majority of films in standard dialect.	I can understand extended speech even when it is not clearly structured and when relationships are only implied and not signalled explicitly. I can understand television programmes and films without too much effort.	I have no difficulty in understanding any kind of spoken language, whether live or broadcast, even when delivered at fast native speed, provided. I have some time to get familiar with the accent.
	Reading	I can understand familiar names, words and very simple sentences, for example on notices and posters or in catalogues.	I can read very short, simple texts. I can find specific, predictable information in simple everyday material such as advertisements, prospectuses, menus and timetables and I can understand short simple personal letters.	I can understand texts that consist mainly of high frequency everyday or job-related language. I can understand the description of events, feelings and wishes in personal letters.	I can read articles and reports concerned with contemporary problems in which the writers adopt particular attitudes or viewpoints. I can understand contemporary literary prose.	I can understand long and complex factual and literary texts, appreciating distinctions of style. I can understand specialised articles and longer technical instructions, even when they do not relate to my field.	I can read with ease virtually all forms of the written language, including abstract, structurally or linguistically complex texts such as manuals, specialised articles and literary works.
S P E A K I N G	Spoken interaction	I can interact in a simple way provided the other person is prepared to repeat or rephrase things at a slower rate of speech and help me formulate what I'm trying to say. I can ask and answer simple questions in areas of immediate need or on very familiar topics.	I can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar topics and activities. I can handle very short social exchanges, even though I can't usually understand enough to keep the conversation going myself.	I can deal with most situations likely to arise whilst travelling in an area where the language is spoken. I can enter unprepared into conversation on topics that are familiar, of personal interest or pertinent to everyday life (e.g. family, hobbies, work, travel and current events).	I can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible. I can take an active part in discussion in familiar contexts, accounting for and sustaining my views.	I can express myself fluently and spontaneously without much obvious searching for expressions. I can use language flexibly and effectively for social and professional purposes. I can formulate ideas and opinions with precision and relate my contribution skilfully to those of other speakers.	I can take part effortlessly in any conversation or discussion and have a good familiarity with idiomatic expressions and colloquialisms. I can express myself fluently and convey finer shades of meaning precisely. If I do have a problem I can backtrack and restructure around the difficulty so smoothly that other people are hardly aware of it.
	Spoken production	I can use simple phrases and sentences to describe where I live and people I know.	I can use a series of phrases and sentences to describe in simple terms my family and other people, living conditions, my educational background and my present or most recent job.	I can connect phrases in a simple way in order to describe experiences and events, my dreams, hopes and ambitions. I can briefly give reasons and explanations for opinions and plans. I can narrate a story or relate the plot of a book or film and describe my reactions.	I can present clear, detailed descriptions on a wide range of subjects related to my field of interest. I can explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.	I can present clear, detailed descriptions of complex subjects integrating sub-themes, developing particular points and rounding off with an appropriate conclusion.	I can present a clear, smoothly-flowing description or argument in a style appropriate to the context and with an effective logical structure which helps the recipient to notice and remember significant points.
W R I T I N G	Writing	I can write a short, simple postcard, for example sending holiday greetings. I can fill in forms with personal details, for example entering my name, nationality and address on a hotel registration form.	I can write short, simple notes and messages. I can write a very simple personal letter, for example thanking someone for something.	I can write simple connected text on topics which are familiar or of personal interest. I can write personal letters describing experiences and impressions.	I can write clear, detailed text on a wide range of subjects related to my interests. I can write an essay or report, passing on information or giving reasons in support of or against a particular point of view. I can write letters highlighting the personal significance of events and experiences.	I can express myself in clear, well-structured text, expressing points of view at some length. I can write about complex subjects in a letter, an essay or a report, underlining what I consider to be the salient issues. I can select a style appropriate to the reader in mind.	I can write clear, smoothly-flowing text in an appropriate style. I can write complex letters, reports or articles which present a case with an effective logical structure which helps the recipient to notice and remember significant points. I can write summaries and reviews of professional or literary works.