

## Curriculum Vitae of Nicola Pirrone

### Current Position

- Director  
Institute of Atmospheric Pollution Research of the CNR (CNR-IIA), Rome, Italy  
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URL: <http://www.ia.cnr.it> E-mail: [pirrone@ia.cnr.it](mailto:pirrone@ia.cnr.it)
- Adjunct Professor  
Depart. Environmental Health Sciences, University of Michigan, Ann Arbor, USA  
URL: <http://www.umich.edu>

### Work Experience

- | <i>Period</i>                 | <b>2008 – present</b>   |
|-------------------------------|---|
| <i>Position / Institution</i> | Director / CNR-IIA  |
|                               | ▪ <b>2012 – present</b><br>Adjunct Professor / SPH-EHS, University of Michigan, Ann Arbor, USA      |
|                               | ▪ <b>Since 2007</b><br>Research Director / CNR-IIA, Rome, Italy                                     |
|                               | ▪ 1998 - 2012<br>Adjunct Associate Professor / SPH-EHS, University of Michigan, Ann Arbor, USA      |
|                               | ▪ 1998 – 2008<br>Founder and Head of Division / Division of Rende of the CNR-IIA, Rende, Italy      |
|                               | ▪ 1997 – 2006<br>Senior Scientist / CNR-IIA, Italy  |
|                               | ▪ 1996 – 1997<br>Adjunct Assist. Professor / Dep. Env. & Industrial Health, Univ. of Michigan, USA  |
|                               | ▪ 1991 – 1996<br>Research Fellow / Dep. Env. & Industrial Health, Univ. of Michigan, USA            |
|                               | ▪ 1989 – 1990<br>Research Scientist / Int. Inst. of Applied Systems Analysis (IIASA), Wien, Austria |

### Education

- Graduated in Nuclear Engineering, University of Pisa (1989)

### Professional activity

During the last 20 years he had an active role as expert member / chair / head of Italian delegations in European, International and National programs and task forces related to different aspects of Earth Observation, Environmental Research, Environmental Policy development and Evaluation of research strategies in EU and abroad. A brief overview is reported below.

- | <i>Period</i>                 | <b>2016 – present</b>   |
|-------------------------------|---|
| <i>Position / Institution</i> | GEO Principal of Italy, Italian Representative in the EU High Level Working Group of GEO (Group on Earth Observations) / Italian Ministry of Environment  |
|                               | ▪ <b>2012 – present</b><br>Member, <i>Commissione Nazionale per la Previsione e la Prevenzione dei Grandi Rischi-Settore Rischio Chimico e Nucleare / Presidenza del Consiglio dei Ministri</i> |
|                               | ▪ <b>2013 – present</b><br>Head, National Reference Centre for Mercury (CNRM), formed by CNR and Ministry of Environment ( <a href="http://www.cnrmerc.org">http://www.cnrmerc.org</a> )        |
|                               | ▪ 2015<br>GEO Principal Alternate of Italy, Italian Representative in the EU High Level Working Group and Executive Committee of GEO / Italian Ministry of Environment                          |
|                               | ▪ <b>2013 – present</b><br>Member, Scientific Committee / Earth Day Italia  |
|                               | ▪ 2012 – 2015<br>Chair, GEO Task on Tracking Pollutants / GEO - GEOSS   |
|                               | ▪ 2013 – 2014<br>Coordinator, WG of CNR for the socio-economic-environmental evaluation of the proposed upgrade of Florence Airport / Provinces of Florence and Prato                           |
|                               | ▪ 2011 – 2014<br>CNR Representative / Italian Association for Industrial Research (AIRI)  |

- 2009  
CNR Representative / Commission (Sogin S.p.A.) in charge to select the national long-term storage site for nuclear wastes.
- **2001 – present**  
Head of Italian Delegation / Steering Body, UNECE-LRTAP international convention (EMEP)
- 2009 – 2011  
Expert / Fundação para a Ciência e a Tecnologia (FCT), Ministério da Ciência, Tecnologia e Ensino Superior, Portugal.
- **1993 – present**  
He has been coordinator of major national, European and international projects / funded by *i.e.*, EC, UNEP, USEPA, World Bank, MIUR, MATTM
- **2002 – present**  
Italian Representative / Global Ministerial Environment Forum, UNEP
- 2000 – 2010  
Chair, WG-25 on Air Quality Standard methods / EC-DG Environment & CEN TC264
- **2006 – present**  
Chair, Global Partnership on Mercury Fate and Transport Research / UNEP
- 2006 – 2010  
Coordinator, WG Task Force Hemispheric Transport of Air Pollutants (CLRTAP)
- 2006 – 2008  
Member, Commission on Sustainable Development / Italian Ministry of Environment & UN
- 2002 – 2007  
Coordinator / Bilateral Agreement between the Italian Ministry of Environment and U.S. EPA
- 2005 – 2011  
Chair, Task on Global Monitoring Plan for Mercury / GEO
- 2001 – 2006  
Italian Representative, Global Mercury Assessment Program / UNEP
- 2000 – 2010  
Member, Environment Commission / UNI
- 1998 – 2014  
Member, EC *Expert Panels* for proposal evaluation within the FP4, FP5, FP6, FP7
- 1998 – 2002  
Steering Board Member, European Land-Ocean Interaction Studies (ELOISE) / EC - DG Research
- 1999 – 2001  
Chair, WG Position Paper 4<sup>th</sup> European Air Quality Directive / EC-DG Environment
- 1999 – 2002  
Italian Representative, European Air Quality Directive / EC-DG Environment
- 1998 – 2002  
Chair, WG Integration of Natural & Socio-Economic Sciences / EC-DG Research
- 1993 – 1995  
Scientific Board Member / Experts Panel of U.S.EPA in charge to prepare the “*Report for the U.S. Congress on Atmospheric Deposition of Contaminants to the Great Lakes and Coastal Waters*” for the revision of Clean Air Acts Amendments.

### Scientific consultancy

He has been Scientific Consultant/Reviewer for major European and international bodies/institutions including: Nordic Council of Ministers, Norwegian Council of Research, Research Council of Canada, U.S. EPA, United Nations Environment Programme, Ministry of Scientific Research of Slovenia, EC, WHO, VRIJE Universiteit-Brussels, Italian Ministry of Environment and other public institutions.

### Referee for international reviews

He is referee for *Nature*, *Science*, *Atmospheric Chemistry and Physics*, *JGR*, *Environmental Science & Technology*, *Atmospheric Environment*, *Chemosphere*, *Environmental Pollution*, *Geochimica et Cosmochimica Acta*, *JAWMA*, *STOTEN*, *WASP*, *EM&A*.

**Academic activities,  
awards & mentorship**

- As *Adjunct Professor* at the *University of Michigan* provides seminars to master and Ph.D. students on different aspects related to biogeochemical cycles of atmospheric pollutants, atmospheric chemistry and air quality, global changes and development and implementation of environmental policies.
- He has been mentor and advisor of master, Ph.D. students and post-doc.
- During the last 25 years he has been Principal Investigator and coordinator of large research projects and programme funded by European and international agencies.
- One of the key activity that he has carried out in the last 10 years focused on bridging the fundamental environmental research with environmental policy development. He has been Italian Representative, Head of Italian Delegations and Chair in the framework of policy development within the EC (*i.e.*, DG Environment) for the preparation of Air Quality Directives, the CEN for TC264, the UNEP, and the CLRTAP convention for the EMEP Steering Body and HTAP Task Force.
- He has been invited as plenary speaker in major international conferences and key note lecturer by leading universities and research institutions worldwide.
- Through a bilateral agreement between the CNR and Italian Ministry of Environment in 2012 he founded the Italian National Reference Centre for Mercury (CNRM) ([www.cnrmerc.org](http://www.cnrmerc.org)) that is one of the reference centers for the future implementation of the international treaty on mercury.
- He received the international award "International Ecology" from V.A.S. & Green Cross Italia, 3rd edition, Sorrento, 2<sup>nd</sup> June 2013.

**Editorial Boards**

He has been Associated and Guest Editor and member of Editorial Boards of peer-reviewed journals including:

- Atmospheric Chemistry and Physics, Copernicus
- Atmospheric Environment, Elsevier
- Marine Chemistry, Elsevier
- Atmospheric Pollution Research, TUNKAP
- Journal of the Air & Waste Management Association, Tylor & Francis Group
- Regional Environmental Changes, Springer

**Publications**

He published > 350 scientific papers, books and conference proceedings in the international peer-reviewed literature that can be found at: <http://scholar.google.it/citations?user=IjbdlzYAAAAJ&hl=it>.