



Surname: **Caminiti**
First Name: **Natale Massimo**
address: ENEA, CR Casaccia,
I-00123 S. Maria di Galeria (Rome), Italy
phone +39 0630484679
mobile: +393204259184
email : natale.caminiti@enea.it

Education

- 1982, Degree in Nuclear Engineering at the Polytechnic of Turin, with the grade 101 over 110;
- 1983, Post-Graduate Specialization in "Nuclear power and other energy sources" at the Polytechnic of Turin, with the grade 110 over 110;
- 1983, ENEA Trainee "R. Tasselli", at Polytechnic of Turin.

Work Position

- 25/04/2010-today: Head of the Mitigation and Adaptation to Climate Change Service of ENEA;
- 14/05/2009: Head of the project "Models for Mitigation and Adaptation to Climate Change and Kyoto", ENEA;
- 02/10/2006 – 27/10/2008 co-startupper of ENEA Project "Models for Mitigation and Adaptation and Kyoto" (not formalized appointment);
- 22/06/1999 – 30/11/2001, Responsible for the execution of the "pact for energy and the environment". Circular n. 691/DG of 22 June 1999;
- 15/05/1997 – 30/11/2001 Head of unit "Urban Energy Networks" ERG/SIRE/RENU.

Work experience

01/04/2004 – 27/10/2008

- analyses and evaluation of mitigation and adaptation policies and measures for climate change, for public institutions and for private sectors;
- Responsible of the Agreement ENEA/MSE for the evaluation of policies included in QSN (structural funds 2007-2013) in reducing GHGs;
- Technical and scientific support to MATT and MSE ministries for the definition of CIPE resolution for the reaching of the Kyoto target, support in the set up on the second ETS National Allocation Plan, and support for the preparation of fourth and fifth National Communications of Italy to UNFCCC Secretariat;
- Participated to the redaction of ENEA Energy and Environment Report, 2006 and 2007;
- Analyses and evaluation of energy and environmental potential and the overcoming of barriers for the diffusion of district heating and integrated energy systems, in collaboration with AIRU and MATT;
- Responsible of the B line of MSE/ENEA Agreement of the Operative National Plan for the technical assistance to the Regions Obj. 1 for structural funds 2000 – 2006;
- ENEA Member of the VI CIPE Commission on "Environmental action strategy for sustainable development in Italy".

01/01/1999 – 31/12/2003

- As a responsible for the execution of the “pact for energy and the environment”, he provided technical support to CNEL, public and private institutions, for the definition of policies, measures and voluntary agreements in the field of energy efficiency, renewables and cogeneration;
- As a responsible of ENEA Unit on “Urban Energy Networks”, he promoted the development of territorial energy issues. He was responsible of the contract with the Lombardia Region concerning a development plan for cogeneration;
- Participated to the technical sessions of IPCC on mitigation technologies for climate change.

01/05/1994 – 31/12/1998

- In the framework of the National Conference on Energy, he worked on the barriers to the diffusion of the cogeneration. He was responsible for the voluntary agreement on cogeneration and ENEA Member in the management committee of that voluntary agreement;
- As a responsible of ENEA Unit on “Urban Energy Networks”, he was in charge of demonstrative projects on energy systems at the level of: building block, quarter, town, considering technological and economic issues as well as environmental and socio-urban aspects;
- In the framework of the European program SAVE, he coordinated on behalf of ENEA, the activities about “mid-term planning of ACEA electric system with Integrated Resource Planning methodology”;
- He participated as an expert of energy technologies and emissions reduction policies to the activities of the European Commission and of the United Nations Framework Convention on Climate Change, as a delegate of the Italian Government. He was member of the UNFCCC expert panel on “technologies and technology transfer”;
- He participated as an expert of energy technologies and emissions reduction policies to the activities of the UN-ECE Convention on long-range transboundary air pollution and to the related protocols. He was responsible for the working group on “pollutants abatement techniques”.

08/10/1984 – 01/05/1994

- He developed, in collaboration with AIRU (Italian Association for Urban Heating) and with Utilities companies, solutions for cogeneration taking into account legislative, tariff, environmental and energy efficiency aspects;
- In the framework of ENEA programs on wind energy development, he collaborated with ENEL, AERITALIA and RIVA CALZONI, for the design of wind generators.

Experience at the international level

MATT	ENEA Member of the Committee for the redaction of the fifth National Communication of Italy to the UNFCCC
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MSE	Responsible of the ENEA working group on “Kyoto and flexible mechanisms” for supporting MSE ministry in relation to the European Council decision of 7-8 March 2007, and for the promotion of the National Conference on Energy and the Environment
UNFCCC	Participated as an expert of energy and environmental technologies, to the activities of the Italian delegation and MATT, for climate change mitigation policies
UNFCCC	Member of expert group on “Technologies and technology transfer”

European Commission	Participated to the activities of the Italian delegation and MATT, as an expert of energy and environmental technologies, on climate change
UNECE	Participated to the activities of the Italian delegation and MATT, as an expert of energy and environmental technologies, on transboundary pollution
UNECE	As an expert of energy and environmental technologies, he was responsible for the working group on "pollutants abatement techniques".
IPPC	As an expert of energy and environmental technologies, he participated to the IPPC scientific activities, on behalf of MATT.

Main publications

2010	Report on evaluation of the potential GHGs reduction of the FESR investments
2010	Fifth National Communication under the UN Framework Convention on Climate Change, Italian Ministry for the Environment, Land and Sea
2008	National GHG reduction target: the contribution of energy efficiency
2008	Cogeneration and Integrated Energy Systems, ENEA Report
2008	Post-Kyoto and climate change, ENEA Report
2008	Hokkaido G8 and climate change, TG2 interview
2008	Post-Kyoto: a che punto siamo, (contribution to a review)
2008	Emissions reduction and renewable energy promotion. What role for Regions? (workshop)
2007	ENEA Energy and Environment Report
2007	Fourth National Communication under the UN Framework Convention on Climate Change, Italian Ministry for the Environment, Land and Sea
2006	Italy 2020 – energy and environment post Kyoto (book chapter)
2006	Puglia Region: energy consumptions and the evaluation of energy savings potential in the regional industrial sectors. ENEA Report

Responsibility of conventions

07/08/2008 – 07/08/2011 Convention MSE/ENEA "Evaluation of the impact of the QSN (National Strategic Framework) of European Structural Funds 2007-2013, on GHG emission reductions"

09/12/2004 – 06/03/2007 Agreement MSE/ENEA National Operative Program of Technical Assistance to the Regions Obj.1 – Line B "Transfer to the Region of a methodology for the implementation of an energy-environment informative system at the local level, for the most important productive sectors of the regional territory"

Tutoring

01/03/2007 – 01/11/2010 Trainee on "legislative instruments in energy and environment fields"

07/10/2004 – 07/10/2006 Trainee on "policies and measures in energy and environment fields"

Teaching

14/02/2010 – 14/02/2010 Polytechnic of Milan, "Analysis and evaluation of COP Copenhagen on climate change"

13/05/2009 – 13/05/2009 Polytechnic of Milan, "European Targets 2020: the contribution of Regions to the Italian target"

12/05/2008 – 12/05/2008 Polytechnic of Milan, "The GHG potential reduction of the Italian Regions"