

RESUME

BASSI, ANDREA MARCELLO

PERSONAL INFORMATION

Name	BASSI, ANDREA MARCELLO
Address	2111 Wilson Blvd, Suite 700; 22201 Arlington, VA – USA Hasagervej 17, 4930 Maribo, Denmark
Telephone	(+1) 571 721 8275
E-mail	ab@millennium-institute.org ; andrea.bassi@me.com
Nationality	Italian
Date of birth	28.09.1980

CAREER GOALS

Becoming a skilled and complete policy analyst in the energy and climate fields, combining knowledge on energy, economics and energy technology.
More specifically: (1) being able to understand the feedbacks existing between energy and society, economy and environment, (2) within an integrated framework, (3) in order to support wise and responsible policy formulation and evaluation.

ACCOMPLISHMENTS

Project leader for energy policy studies presented at Congressional hearings, to several national leaders and Ministers, and published in leading peer reviewed journals. Projects carried out for, among others, the U.S. Congress, U.S. Environmental Protection Agency, U.S. National Commission on Energy Policy, Environmental Defense Fund, in addition to the United Nations Environmental and Development programs (UNEP/UNDP), the United Nations Economic Commission for Latin America and the Caribbean (ECLAC), the South African Council for Scientific Industrial Research (CSIR), and the Government of the Republic of Mauritius.

Deputy Director for Project Development and Modeling at Millennium Institute, formerly visiting researcher at the Danish National Environmental Research Institute and GRA at the Los Alamos National Laboratory. Ph.D. and M.Phil. in System Dynamics, M.Sc. in Business and Economics. Lead author of UNEP's Green Economy Report, Balaton Group member and Advisory Board member for Energy Investment Forum 2011.

WORK EXPERIENCE

From June 2005 to date

Millennium Institute, 2111 Wilson Boulevard, Suite 700, Arlington, VA 22201-3357 USA

Deputy Director, Project Development and Modeling

Tasks:

- Project Development: spokesperson at both technical and policy conferences and symposia, in charge of project design and development;
- Senior Modeler: key resource for energy and environmental modeling and policy analysis.

Responsibilities:

- Preparation of project proposals and fundraising; Stakeholder consultation, project development and initiation; Data collection and model building; Policy analysis, writing of model documentation, final reports, academic and policy papers.

Teaching activities:

- Training lecturer for Mali, Mauritius, Ecuador, Jamaica, South Africa and UN ECLAC (Latin America) projects;
- Teaching and administrative assistant at the University of Bergen.

Interns and project assistants managed:

- 2007 (1); 2008 (1); 2009 (3); 2010 (5)

From August 2009 to July 2010

National Environmental Research Institute of Denmark, Department of Environmental Policy Analysis, Aarhus University

Box 358, Fredriksborgvej 399 , DK4000, Roskilde, Denmark

From February 2009 to December 2009

Los Alamos National Laboratory, P.O. Box 1663, MS P125, Los Alamos, New Mexico, 87545 USA

From November 2008 to December 2008

Center for Resilience, The Ohio State University, 1971 Neil Ave., Baker Systems Room 210, Columbus, Ohio 43210 USA

Fall semester 2006 and 2007

System Dynamics Group, Department of Geography, University of Bergen, Postboks 7800, 5020 Bergen, Norway

EDUCATION AND TRAINING

From February 2007 to November 2009

Ph.D. (Philosophiae Doctor) in System Dynamics, University of Bergen

Thesis title: “*An Integrated Approach to Support Energy Policy Formulation and Evaluation*”, supervised by Prof. P.I. Davidsen, head of the System Dynamics Group, Department of Geography.

From August 2004 to September 2006

M.Phil. (Master of Philosophy) in System Dynamics, University of Bergen (final mark A)

From January 2004 to March 2004

Postgraduate course, Building Models in Ecology and Environment, Universidad Politecnica de Catalunya, (final mark 10/10).

From September 1999 to December 2003

M.Sc. (Master of Science) in Business and Economics, LIUC University of Castellanza (Magna cum Laude)

LANGUAGES

Italian (mother tongue), English (excellent), French (good), Spanish (basic)

OTHER ACHIEVEMENTS

Memberships - selected

- *The International Network of Resource Information Centers (The Balaton Group)*, since 2010.
- **System Dynamics Society (SDS)**, 2004 – present; SDS Student Chapter 2005-2009, student council in 2006-2007.
- Involved in the **Stanford Energy Modeling Forum (EMF)** in 2008.

Board of directors and committees

- Board Member, **Renewable Nations Institute and Baltic Sea Solutions (Bass)**, 2009 - 2010.
- Scientific Committee member, **Adapting to Climate Change in Time (ACT)**, and EU project, 2010-2012.
- Advisory Board member: **Energy Investment Forum 2011**, January 24-25, 2010. Austin, Texas, USA.

Reviewer

- *Energy and Climate*: Energy Policy; Energy For Sustainable Development; Energies. Also reviewer of World Bank's 2011-2021 energy strategy.
- *Food and Nutrition*: UN System Standing Committee on Nutrition.

PUBLICATIONS AND RESEARCH

Published papers, peer reviewed journals - selected:

1. Bassi, A.M., "Evaluating the use of an integrated approach to support energy and climate policy formulation and evaluation". *Energies*. 2010; 3(9):1604-1621. doi:10.3390/en3091604
2. Bassi, A.M., "A Context-Inclusive Approach to Support Energy Policy Formulation and Evaluation". *Regional Environmental Change*, *In Press*. DOI 10.1007/s10113-010-0139-z
3. Bassi, A.M., and S. Magnoni, "Elaborating a coherent and adequate financial structure for a post Kyoto framework". *IOP Conf. Series: Earth and Environmental Science* 8 (2009) 012003. doi:10.1088/1755-1315/8/1/012003; <http://www.iop.org/EJ/toc/1755-1315/8/1>
4. Yudken, J.S., A.M. Bassi, "Climate Change and US Competitiveness". *Issues in Science and Technology*, Fall Issue 2009.
5. Bassi, A.M., and J. S. Yudken, "Potential Challenges Faced by the U.S. Chemicals Industry Under a Carbon Policy". *Sustainability* 1(2009)592-611. Special issue on "Energy Policy and Sustainability".
6. Bassi, A.M., A. E. Baer, "Quantifying Cross-Sectoral Impacts of Investments in Climate Change Mitigation in Ecuador". *Energy for Sustainable Development* 13(2009)116-123, doi:10.1016/j.esd.2009.05.003
7. Bassi, A.M., Schoenberg, W., Powers, R., "An integrated approach to energy prospects for North America and the rest of the world", *Energy Economics* 32 (2010) 30-42, doi:10.1016/j.eneco.2009.04.005
8. Bassi, A.M., Yudken, J.S., Ruth, M., "Climate policy impacts on the competitiveness of energy-intensive manufacturing sectors", *Energy Policy* 37(2009)3052-3060, <http://dx.doi.org/10.1016/j.enpol.2009.03.055>

Technical reports, theses, books and book chapters - selected:

1. Chapter: Bassi, A.M. with M. Pedercini, J.P. Ansah, Z. Tan, "Moving Towards the Green Economy: A Global Analysis of Opportunities and Challenges". Millennium Institute, 2010. Arlington, VA, USA. Chapter included in UNEP's Green Economy Report, to be published in late 2010.
2. Chapter: Bassi, A.M., "Greening the Economy and National Development: Six Country Case Studies". Chapter prepared for UNEP's Green Economy Report. Millennium Institute, June 2010, Arlington, VA, USA.
3. Essay: Herren, H.R., A.M. Bassi, M. Pedercini, "How an Integrated Scenario Approach Supports the Case for a Transition to Sustainable Agriculture". Essay included in State of the World 2011: Innovations that Nourish the Planet, WorldWatch Institute, Washington, DC, USA. Prepared by Millennium Institute, July 2010, Arlington, VA, USA.
4. Report: Herren, H.R., A.M., Bassi, "Green Jobs for a Revitalized Food and Agriculture Sector". Millennium Institute, July 2010. Prepared for the United Nations Food and Agriculture Organization, FAO, Rome, Italy.
5. Report: Bassi et al., "Water Resources, Energy Demand, and Carbon Management Issues, Impacts, and Assessment Models for Oil Shale Development in the Piceance Basin of the Western Energy Corridor". Prepared for U.S. Department of Energy, Prepared by Los Alamos National Laboratory, June 2010, Los Alamos, NM, USA.

Projects led and fundraising - selected:

1. Food and Agriculture Organization of the United Nations (FAO), research and report on Green Jobs for a Revitalized Food and Agriculture Sector. 2010.
2. United Nations Environment Program (UNEP), *Green Economy Report*. Chapter coordinator and lead author, modeling; contributing author GER. 2010.
3. United Nations Development Program (UNDP) and Ministry of Renewable Energy and Public Utilities, Republic of Mauritius, *Systems Modeling of Long Term Energy Policy, Mauritius*. 2009.
4. United Nations Economic Community of Latin America and the Caribbean (ELAC), *Training Course on System Dynamics Models for Analyzing the Economics of Climate Change*. 2009.
5. United Nations Development Program (UNDP), CSIR, United Nations University (UNU), University of Technology Mauritius (UTM), Mauritius Research Council (MRC), *System Dynamics Course for National Development Planning*. 2008.