

Enrico Botta

Corso XXII Marzo 42
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WORK EXPERIENCE

January 2014 – December 2014. GGGI, Senior Policy Analyst for Innovation - London (UK).

Main activities performed include: i) Drafting of a guide to be used by GGGI country teams to analyse the innovation systems of the countries of operation; ii) Drafting of a policy brief on a possible innovative financing mechanisms to promote energy access in developing countries as enabled by technology evolution (accepted for the poster presentation session at the GGKP 2015 conference); iii) Support to the writing of the proposal of the first country - based innovation project; iv) Review of the geothermal and wind sector in Mexico; v) Development of tools and practices to support knowledge asset creation and management between divisions and country teams.

October 2012 – January 2014. OECD, Economics Department, Consultant - Paris (FR).

I have been working on a study on the impact of environmental regulation on sector productivity. Main activities performed include: i) Building of an indicator of environmental regulation for the energy sector and its generalization to an economy-wide measure; ii) Drafting of the working paper, "Measuring environmental policy stringency in OECD countries - a composite index approach", describing the strategy for the preparation of the indicators; iii) Full ownership for the extension of a database on environmental policy instruments with a specific focus on instruments for the energy sector (e.g. Trading Schemes, Emissions standards, R&D support, etc.); iv) Support to the development of a questionnaire to send to Member Countries and personal interaction with national officers for questionnaire follow-ups; v) Preparation of project status updates. The results of the project have been discussed at the OECD working party 1 and featured on "The Economist".

October 2011 - October 2012. Univ. L. Bocconi, IEFE, Policy Analyst - Milan (IT).

I worked on two main topics: i) Energy and environmental efficiency of the Italian manufacturing industry; ii) Innovation system theory applied to the energy sector. Examples of activities are: i) Publication of a Bocconi working paper on policy conditions necessary to develop a green innovative industry – the case of Danish and Chinese wind turbine industry. ii) Creation of an Excel based model to analyse the emissions and energy intensity of Italian manufacturing industry; iii) ad-hoc analysis e.g. Review of Italian energy efficiency strategy. The publication on green innovation has been added to the library of papers managed the Italian Agency for New Technologies, Energy and Sustainable Development (ENEA) and it has been discussed at an OECD Environment Directorate seminar on September 2013.

October 2010 - March 2012. Booz & Company, Consultant - Milan (IT).

I worked on several projects mainly within the company energy practise. Examples of activities performed include: i) Analysis of EU photovoltaic sector; ii) Evaluation of entry opportunities in a market created by a new technology (LNG as transportation fuel for shipping) for an international O&G company; iii) Gas market modelling – indexation of gas prices; iv) Organizational design for the transfer of operatorship of a giant oil field in Iraq; v) Writing of weekly reports on the projects progress; vi) Full-ownership for the set-up and maintenance of database on LNG facilities; vii) Drafted documents and presentations to middle and top managers. From October 2011 to March 2012 I worked part-time as an external collaborator.

June 2009 - August 2009. Internship, United Nations Headquarters, Department of Economics and Social Affairs, "Water, Energy and Strategies Branch" - New York (US).

I contributed to the Division report on Mining and Sustainable Development thanks to data analysis, policy analysis and literature review. Additionally I developed a communication strategy for the "Decade of Water for Life". My proposal was extremely appreciated and was expected to be used as a backbone of proposals to be presented to water operators from around the globe expected to meet in Spain on December 2009.

ACADEMIC BACKGROUND

Academic Year 2014/2015 - Current. Università Statale di Milano – Ph.D. in Economics.

Ph.D. student at the Lombardy Advanced School of Economic Research (LASER), an inter-university doctoral school in Economics founded by the Universities of Milano, Pavia and Bergamo.

Academic Year 2015/2016 - Current. University College London (UCL) – Visiting Ph.D.

I am currently a visiting Ph.D. student at the Bartlett Energy Institute of the University College London.

Academic Year 2007/2008 - 2008/2009. L. Bocconi University - Master of Science in “Economics and Management of Innovation and Technology”.

Final mark 110/110. Graduated in “Microeconomics of technical change” with a thesis, whose supervisor was prof. Franco Malerba, on “The role of open innovation in the wind turbine Industry”. Thesis evaluation: 8/8

Academic year 2008/2009. Copenhagen Business School - Master of Science in “Management of Innovation and Business”.

Selected on March 2008 for the Double Degree Program between the Bocconi University and the CBS, I earned a second MSc in Denmark. I graduated on 08/2010, thesis supervisor: T. Pedersen. Thesis Evaluation 10/12.

Academic year 2004/2005 - 2006/2007. L. Bocconi University - Undergraduate Degree in “Economics of international markets and technology innovation”.

Final mark 109/110. Graduated in “International Economics” with a thesis whose title is: “Natural gas: a strategic resource for the European Union” under the supervision of prof. F. Onida. Thesis evaluation: 4/4. I spent one semester studying at the Simon Fraser University (Vancouver, Canada) having been selected to take part in the “International Exchange Program”.

SPECIALIZATION COURSES

September 2015. Summer School in “Cost benefit analysis”. Centre for Industrial Studies, Milan (IT).

Thanks to a scholarship awarded by the Centre for Industrial Studies (CISL), I attended a course on the ex-ante appraisal (Cost Benefit Analysis) of major projects. The course dedicated a major focus to application of CBA to research & innovation, broadband, transport, environment and energy. Lecturers are from CSIL, European Commission, European Investment Bank and University of Milan.

June 2015. Summer School in “Evaluating Policy intervention”. University of Geneve, Geneve (CH).

Thanks to a scholarship awarded by the University of Geneve, I successfully participated in an intensive course (around 60 hours) in techniques for evaluating policy intervention (i.e. Regression Discontinuity Analysis, Diff-in-Diff, Matching, Randomized Experiments, etc.) organized by University of Geneve. Lecturers were from ILO, New York Federal Bank, OECD, Graduate Institute and the University of Geneve.

September 2012. Postgraduate course: “XIII Course of Econometrics for PhD students - Topics in Micro-econometrics with Applications to Energy & Environmental Economics”. CIDE, Venice (IT)

I participated and successfully took the final exam in the postgraduate course of Microeconometrics with Applications to Energy & Environmental Economics organized by the Italian Inter-University Centre for Econometrics (CIDE), University 'Ca Foscari, Venezia.

PUBLICATIONS

- Botta E., 2016. The role of industrial policies in the development of a competitive wind energy industry. Special issue of the Journal of Economic Policy, forthcoming.
- Botta E., McCormick C., 2015 Designing a Generation based Financing Mechanism for Off-Grid Renewable Electricity Generation: A Policy Proposal. Global Green Growth Institute Publication, Global Green Growth Institute Publication, forthcoming.
- Botta E., McCormick C., Eis J., 2015. A Guide to Innovation System Analysis for Green Growth, Global Green Growth Institute Publication, March 2015.
- Botta E., Kozluk T., 2014. Measuring environmental policy stringency in OECD countries-a composite index approach. OECD – Economic Department working papers, December 2014.
- Albrizio S., Botta E., Kozluk T., Zipperer V., 2014. Do Environmental Policies Matter for Productivity Growth?: Insights from New Cross-Country Measures of Environmental Policies. OECD – Economic Department working papers, December 2014.

- Botta E., 2013. Green Growth: A Case Study on the Danish and Chinese Sectoral Innovation Systems. IEFE Working Paper n. 53, February 2013.

ADDITIONAL INFORMATION

Author of **featured articles on energy policies** and markets for Firstonline (directed by E. Auci and F. Locatelli, former director and editor in chief of Italian most important economic newspaper). In Copenhagen I worked on the launch of a web-based **startup** (Arena365.com) currently available in six languages.

Seminars: IAERE,2016. Presentation of a working paper (part of Ph.D. dissertation) on the impact of environmental regulation on the direction of technological change. **UCL- Barlett Energy Institute, 2015.** Presentation and discussion of the OECD work on indicators of environmental policy stringency. **GGKP, 2015.** Presentation on the work on promotion of off-grid renewable during the poster session. **OECD, 2013.** Discussion and presentation of a working paper on green innovation system at seminar of the OECD Environment Department.

Software: MS Office suite, SQL, Stata. **Languages:** Italian (mother tongue), English (C2), French (B2).

Interest: Music (Guitar), Sports (Capoeira, Kitesurfing) and travelling. **Born** in Bari (IT) on 18/10/85.

Reference letters available at <http://it.linkedin.com/in/enricobotta>