

## SERGIO ASCARI

Role proposed in the Project **Main Researcher**

Personal information

First name(s) / Surname(s) Sergio Ascari

Nationality Italian

Residence Via Cascina Emanuela 36/23, 20020 Solaro, Milan, Italy

Date of birth 11 October 1958

Email [sergio.ascari@ref-e.com](mailto:sergio.ascari@ref-e.com); [sergio.ascari@eui.eu](mailto:sergio.ascari@eui.eu)

Civil Status Divorced

Work experience

Dates 2006 - to date

Occupation or position held Research Associate, Part time Professor

Main activities and responsibilities

- Instructor and developer of a Study on the evolution of the Indonesian gas market regulation on behalf of PGN (main Indonesian gas midstream company, 2017-ongoing)
- Principal Researcher in a Project on the Challenges and Opportunities of the Ukrainian natural gas market, on behalf of the European Commission / DG Energy (2017)
- Lecturer on regulation of gas networks at the FSR E-Learning Course on Regulation of Energy Utilities (2006-to date) and the Online Course on Regulation of Gas Markets (2017-18)
- Lecturer on gas market regulation in training courses held in Portugal, Austria, Italy, Hungary, Brazil, Benin, Egypt, Indonesia, Australia, Cyprus (2006-to date)
- Director of the FSR Advanced Gas Training Course (2011-18)
- Participation in a study on a Target Model for the EU gas market (2011)
- Participation in the THINK Advisory Activities for the European Commission (2012)
- Member of the Tariff Expert Group of the Agency for Coordination of European Energy Regulators (ACER) (2012-13)
- Development of a study on The Gas Target Model for the Vysehrad 4 region, on behalf of the Centre for Eastern Studies, Warsaw, Poland (2013)

Name and address of employer Florence School of Regulation, European University Institute, Via dei Roccettini 9, 50016 S. Domenico di Fiesole (FI), Italy

Type of business or sector Research, training and consultancy in energy economics

Dates 2008 - to date

Occupation or position held Senior consultant

Main activities and responsibilities Participation in economic and regulatory studies in gas and electricity sectors:

- Project Manager of a Study on the role of Conditional Capacity Products for gas transmission in the EU, on behalf of the Agency for Coordination of Energy Regulators
- Collaboration to drafting of Guides to Cost Benefit Analysis for countries of the Black Sea Region and related training workshops, on behalf of NARUC/USAID (ongoing)
- Short term consultant of the World Bank for the benchmarking of gas distribution companies of Ukraine (Apr. 2018 – ongoing)
- Leader of a Study on the role of gas storage in internal market and in ensuring security of supply, on behalf of the European Commission / DG ENER (Dec. 2014 – May 2015)
- Analysis of electricity and gas distribution tariffs in the EU, on behalf of the European Commission / DG ENER (June 2014 - March 2015)
- Analysis of gas infrastructure incentives in the EU, on behalf of the European Commission / DG ENER (Dec. 2013 - Aug. 2014)
- Leader of a Research Project on the EU gas market competitiveness after liberalisation, on behalf of GME (Italian Gas Market Operator) (2013)
- Analysis of the gas balancing reform in Italy, within a project supported by market players representing over 90% of the Italian gas market (2011-12)
- Analysis of the French gas market tariffs and prices, on behalf of Enel (2011)
- Analysis of electric and gas interconnections and congestion management in Europe, on behalf of the Italian Electricity and Gas Regulatory Authority (2009)
- Development of a mathematical model of the Italian gas market (2009-10)
- Forecasting Italian Gas demand, on behalf of Stogit (2009)
- Monitoring of European gas market and regulatory developments (2010-14)

Dates 1994-1997, 2018-ongoing  
 Occupation or position held Lecturer  
 Main activities and responsibilities Lecturer in Public Finance, Energy (Fossil Fuel) and Environmental Economics.  
 Name and address of employer Università degli Studi di Pavia, Italy , Strada Nuova 65  
 Type of business or sector University  
  
 Type of business or sector Research and consulting in energy economics

Dates September 2013 – June 2015  
 Occupation or position held Non-key Expert (Gas Tariff Expert)  
 Main activities and responsibilities Development of a gas transmission tariff and price review procedure for the new regulation of the Egyptian gas market  
 Name and address of employer SOFRECO, 92-98 Blv V. Hugo, 92115 Clichy Cedex, France  
 Type of business or sector Energy regulation

Dates May 2014 – November 2016  
 Occupation or position held Evaluator  
 Main activities and responsibilities Participation in four evaluation sessions of projects submitted for support by the Connecting Europe Facility (Energy)  
 Name and address of employer Innovation and Networks Executive Agency, Chaussée de Wavre 910, Bruxelles, Belgium  
 Type of business or sector Energy

Dates December 2014 – April 2015  
 Occupation or position held Senior Consultant  
 Main activities and responsibilities Participation in the Impact Assessment for rules on harmonised transmission tariff structures for gas, on behalf of the European Commission (DG ENER)  
 Name and address of employer PricewaterhouseCoopers Advisory SpA, Via Monte Rosa 91, Milan, Italy  
 Type of business or sector Energy regulation

Dates March – August 2014  
 Occupation or position held Senior Consultant  
 Main activities and responsibilities Participation in the Regulatory Due Diligence of TAG GmbH, with a view to its acquisition by Snam Rete Gas S.p.A.  
 Name and address of employer Snam Rete Gas, Piazza Santa Barbara 7, San Donato Milanese, Italy  
 Type of business or sector Energy regulation

Dates March-May 2012 and May-December 2014  
 Occupation or position held Consultant  
 Main activities and responsibilities Analysis of contract for natural gas supply to the Israeli Electricity Industry; Development of a Study on Natural Gas Pricing regulation in the world and its lessons for Israel  
 Name and address of employer New Energy Solutions, Rua do Alto do Duque 43, Lisbon, Portugal (on behalf of the Public Utility Authority for Electricity, Jerusalem, Israel)  
 Type of business or sector Energy regulation

Dates October 2009 – Jan. 2012  
 Occupation or position held Energy Market Regulation Expert / Twinning key expert  
 Main activities and responsibilities Development of a monitoring and incentive pilot system for the improvement of gas service quality, within a Twinning Project for the National Energy Regulatory Commission of Ukraine (NERK), in collaboration with Regulatory Authorities of Italy, Greece, Hungary and Romania.  
 Name and address of employer National Energy Regulatory Commission of Ukraine, Kiev, Shulyavska 19  
 Type of business or sector Energy regulation

Dates April-August 2010  
 Occupation or position held Energy Market Regulation Expert

Main activities and responsibilities Study on the evolution of market shares in the European Electricity and Gas Industries after liberalization and on the impact of the Mergers and Acquisitions process.

Name and address of employer Regulatory Authority for Electricity and Gas (AEEG), Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates October 2007 – January 2009

Occupation or position held Energy Market Regulation Expert

Main activities and responsibilities Supervision of studies on Gas Transmission and Electricity Tariffs (including energy tariff setting methodologies). Support to National Regulatory Authorities for the implementation of EC Regulation No. 1775. Support to the Gas Working Group of the Energy Community Regulatory Board. Outline of a Common Approach for a regulatory framework for the Western Balkans Gas Ring. Organisation the first Energy Community Gas distribution Conference. Monitoring of the Energy Community Gas Market.

Name and address of employer Energy Community Secretariat, Vienna, Am Hof 4

Type of business or sector Energy regulation

Dates September 2007 – April 2009

Occupation or position held Electricity tariff expert

Main activities and responsibilities Development and simulation of new electricity distribution tariffs for Ukraine, within a Twinning Project for the National Energy Regulatory Commission of Ukraine (NERK), in collaboration with Regulatory Authorities of Italy, Austria and Czech Republic.

Name and address of employer National Energy Regulatory Commission of Ukraine, Shulyavska 19

Type of business or sector Energy regulation

Dates July 2007 – December 2007

Occupation or position held Energy expert / Evaluator

Main activities and responsibilities Assessment of the contribution of the European Agency for Reconstruction to the development of the single energy (gas and electricity) market in South East Europe, with focus on Serbia, Montenegro and UN-administered Kosovo. Evaluation of the programme from 2004 to 2006, recommendations and comparison with the proposition included in the IPA 2007. Meetings with all beneficiaries in Serbia, Kosovo and Montenegro (Ministry, Regulator, TSO)

Name and address of employer AETS, 17, Av. André Marie Ampère, Billère,-France

Type of business or sector Energy

Dates 2006-2007

Occupation or position held Team Leader / Energy Market Regulation Expert

Main activities and responsibilities Co-ordination and implementation of activities of the Regulatory Authorities of Southern and Eastern EU in the Gas Regional Initiative promoted by the European Regulator's Group for Electricity and Gas, aimed at the establishment of a harmonised regulation in the Regional Market of Southern and Eastern European Union. Development of a study on a regional entry-exit system in Southern and Eastern EU.

Name and address of employer Regulatory Authority for Electricity and Gas (AEEG), Italy, Gas Directorate, then Markets Directorate, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates 2003-2006

Occupation or position held Energy Market Regulation Expert

Main activities and responsibilities Study on the Natural Gas Market in South East Europe. Establishment of a Gas Regulatory Group and outline of the Guidelines on Gas Infrastructure Investment Regulation. Participation as speaker in two sessions of the Athens Regulatory Forum and one Vienna Gas Mini-forum. Worked in the "Gas regulatory group", prepared a draft of the Guidelines for new infrastructure investment in SEE, which have then been moved to the interim EC Secretariat. Involved in the preparation of TORs and evaluation of bids for a consultancy project.

Name and address of employer Regulatory Authority for Electricity and Gas (AEEG), External Relations Office, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates 2002-2006

Occupation or position held Senior Administrator, Twinning Expert in energy

Main activities and responsibilities Coordinator of international cooperation projects of the Italian Regulatory Authority for the institutional strengthening of energy regulators in the Czech Republic, Lithuania, Turkey and other international co-operation activities. Development of projects on energy tariffs in the Czech Republic and Lithuania.

Name and address of employer Regulatory Authority for Electricity and Gas (AEEG), External Relations Office, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates July 2004 November 2005

Occupation or position held Resident Advisor, Energy Market Regulation Expert

Main activities and responsibilities Twinning Project with the Energy Market Regulatory Authority: project co-ordination and implementation of tariff issues. Pre-accession advisor of the Twinning Project in Ankara. Preparation and management of the project including the definition of its contents, the co-ordination of expert activities, advisory role to the top management and departments of the EMRA. Outline and development of a training course on regulatory issues for EMRA's assistant energy experts.

Name and address of employer Energy Market Regulatory Authority of Turkey, Ankara

Type of business or sector Energy regulation

Dates 2002-2003

Occupation or position held Energy Market Regulation Expert

Main activities and responsibilities Establishment of the Brussels Secretariat of the Council of European Energy Regulators and outline of its procedures. Development of the Guidelines of Good Practice for Gas Transmission System Operators and for TPA (Third Party Access) to storage and flexibility services.

Name and address of employer Council of European Energy Regulators, Cours Saint-Michel 30a, Brussels, Belgium

Type of business or sector Energy regulation

Dates 1999-2001

Occupation or position held Energy Market Regulation Coordinator

Main activities and responsibilities Coordinator of energy economic regulation. In charge of the development of a new natural gas transportation tariff and TPA regulation. Regulation of gas transmission, distribution, storage & LNG terminals, including supply tariffs.

Name and address of employer Regulatory Authority for Electricity and Gas (AEEG), Italy

Type of business or sector Energy regulation

Dates 1998-2000

Occupation or position held Coordinator of gas economic regulation

Main activities and responsibilities In charge of the development of a new natural gas distribution tariff regulation..

Name and address of employer AEEG, Italy, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates 1997-1999

Occupation or position held Coordinator/ Energy Market Regulation Expert

Main activities and responsibilities Coordinator of the Environmental Unit. Monitoring of policies toward electromagnetic fields from electricity transmission and distribution and their impact on tariffs.

Name and address of employer AEEG, Environmental Unit, Italy, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates 1997-1999

Occupation or position held Coordinator

Main activities and responsibilities Inquiry into Enel's strategy to achieve the objectives of the large combustion plant directive.

Name and address of employer AEEG, Environmental Unit, Milan, Piazza Cavour 5

Type of business or sector Energy regulation

Dates 1996-1997

Occupation or position held Economist

Main activities and responsibilities Solid waste market and economics. Environmental policy and competition issues.

Name and address of employer Italian Competition Authority, Rome, Piazza Verdi

Type of business or sector Antitrust Authority

Dates 1996-1997

Occupation or position held Economist

Main activities and responsibilities Research Project: Air pollution in Milan and health damages.

Name and address of employer Lombardy Environmental Foundation, Milan

Type of business or sector Research

Dates 1994-1995

Occupation or position held Economist

Main activities and responsibilities Research Project: Environmental impact related waste collection and disposal tariffs.

Name and address of employer Regional Research Institute of Lombardy, Milan

Type of business or sector Research

Dates 1988-1994

Occupation or position held Lecturer

Main activities and responsibilities Energy (fossil fuel) and Environmental Economics.

Name and address of employer Università Commerciale Luigi Bocconi, , Milan via Sarfattii 25

Type of business or sector Research

Dates 1992-1996

Occupation or position held Energy Economist

Main activities and responsibilities Extern E Project – The external costs of energy. Estimation of the monetary costs of power generation.

Name and address of employer European Commission, DG Research, Square de Meeus, Brussels

Type of business or sector EU institution

Dates 1985-1987

Occupation or position held Energy Expert

Main activities and responsibilities Research Project: Energy prices and the transition from oil dependence

Name and address of employer CNR (Italian National Research Council), Rome

Type of business or sector Energy Economics Research

Dates 1984

Occupation or position held Energy Expert

Main activities and responsibilities Research Project: Reform of natural gas distribution tariffs.

Name and address of employer Federgasacqua, Rome

Type of business or sector Energy Economics Research

Dates 1982-1984

Occupation or position held Energy Expert

Main activities and responsibilities Research Project: The natural gas market in Italy.

Name and address of employer Università Commerciale Luigi Bocconi, , Milan, via Sarfattii 25

Type of business or sector Energy Economics Research

#### EDUCATION AND TRAINING

Dates 1984-1985

Title of qualification awarded M.Sc. in Economics

Name and type of organisation providing education and training University of York, United Kingdom

Dates 1977-1982

Title of qualification awarded Degree in Economics

Name and type of organisation providing education and training University of Pavia, Italy

## PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English <sup>1</sup>	C2	C2	C2	C2	C2
German	A2	A2	A2	A2	A2
French	A2	B2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

**Communication skills**

- Advanced communication skills acquired in the auspices of employment experience and academic studies in multinational environments and in international organisations, including several years as a teacher and instructor, at postgraduate courses; speaker at over 100 workshops and conferences worldwide; interaction with stakeholders as Officer of the Italian regulatory Authority, the Energy Community Secretariat and CEER.

**Organisational / managerial skills**

- Strong organisational skills. Leader of teams of 5-6 at the Italian Regulatory Authority; Leader of EC funded and other research projects involving coordination of several consulting companies.

**Job-related skills**

- Over 15 years of work experience in the energy sector, particularly in natural gas;
- Strong experience in the full project development cycle, project management and quality control;
- Excellent understanding of the full span of the natural gas and electricity sectors;
- Expertise in the analysis of energy markets, appraisal of energy infrastructure, development of energy policy tools and models (forecasting models, gas flow models, gas databases, decision support tools), development of regulations (network codes, tariff methodologies) in line with the EC Network Codes, strategy and business planning for energy utilities;
- Experience in working with ACER, NRAs, TSOs and gas utilities;
- Excellent understanding of the developments in the EU and Energy Community countries: demand & supply future trends, supply options, existing and planned gas infrastructure, 2nd and 3rd EC legislative package requirements, development of secondary legislation for energy, energy prices;
- Implementation of projects in Europe, Africa, Middle East, Asia, ;

**Computer skills**

- Fully computer literate: Microsoft Office (Word, Excel, Powerpoint,); Eviews econometric package; Fortran programming.

**Driving licence**

- Category B

- Additional information**
  - Member of the International Association of Energy Economists
  - ACADEMIC PUBLICATIONS
  - “Strategic challenges in the natural gas market”, in Finger M., Jaag C. (eds.), The Routledge Companion to Network Industries, Routledge, 2016.
  - “An American model for the EU gas market?”, in Glachant J.M. et al., Building Competitive Gas Markets in the EU, Elgar, 2013.
  - (with M. Fontana), “Externalities of Waste”, in ExternE, Externalities of Energy, European

<sup>1</sup> Obtained Degree of M.Sc at University of York, UK.

Commission Community Research, 1999.

- (with C. Panella and B. Cavalletti), L'inquinamento dell'aria nelle aree urbane e i danni alla salute, F. Angeli Ed., Milano, 1999, capitoli 2 e 5.
- (with M. Fontana) "I costi esterni di inceneritori e discariche di rifiuti solidi urbani", Economia delle Fonti di Energia e dell'Ambiente, n. 2/98, pp. 25-70.
- "Integration of Pollutant Dispersion Modelling and Hedonic Pricing Techniques for the Evaluation of External Costs of Waste Disposal Sites" (with S. Cernuschi and G. Lonati), Paper presented at the Conference of the Applied Econometrics Association, Lisbon, 10-12 April 1996.
- "The economics of risk and uncertainty and the valuation of severe accidents", Rapporto di ricerca Externe, Task 1.5 "Accidents", Dicembre 1996 (with M. Bernasconi).
- "L'industria e gli strumenti economici della politica ambientale: un'analisi positiva", Economia delle Fonti di Energia e dell'Ambiente, n. 1/93, pp. 33-68.
- "La domanda di protezione della natura e il ruolo dei prezzi", Economia delle Fonti di Energia e dell'Ambiente, n. 1/93, pp. 171-198.
- "Regulatory Capture and Natural Gas Pricing in Italy", ENER Bulletin, n. 13, 1993.
- (with Di Marzio T, Massarutto A.), L'igiene urbana. Economia e politica ambientale, Angeli, 1992.
- AA.VV., Un modello imprenditoriale di parco nazionale, capitoli 2 and 7 (con R. Sabato), Istituto Poligrafico dello Stato, Roma, 1992.
- (with G. Pireddu) "Optimal Energy Prices in the Oil Glut and their Impact on the Italian Economy", ENER Bulletin, n. 4/87, pp. 19-32.
- Il metano in Italia. Mercato, prezzi e sistema distributivo, F. Angeli, Milano, 1985.
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