

# Curriculum Vitae

**Barbara Antonioli Mantegazzini, Ph.D.**

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## **Maître d'Enseignement et de Recherche in Economics**

IdEP, Institute of Economics, Faculty of Economics  
Università della Svizzera italiana

and

## **Lecturer and researcher in Energy Economics**

Department of Business Economics, Health and Social Care SUPSI  
University of Applied Sciences and Arts of Southern Switzerland

Nationality: Swiss, Italian

Status: married with Riccardo, two sons: Tommaso and Filippo.

## Academic employment

From 2017 - **Università della Svizzera italiana, Institute of Economics, Faculty of Economics,**  
*Maître d'Enseignement et de Recherche (Senior Researcher and Lecturer)*

From 2013 - **University of Applied Sciences and Arts of Southern Switzerland, Department of**  
**Business Economics, Health and Social Care**  
*Lecturer and researcher in Public economics*

## Education

**University of Bologna, Italy, Ph.D. in Economics and law**

Dissertation: "The cost of service regulation for local environmental services"

**University of Ferrara, Italy, MSc in Law, major in Economics (Summa cum laude).**

Thesis: "The creation of Public Utilities with IPOs"

## Research and teaching interest

Economics, management and regulation of public services, with particular attention to governance and business models, efficiency analysis and financing of investments in public infrastructure.

Reform of public intervention in the economic sector (privatization, liberalization, deregulation, New Public Management, Public-private partnership, public procurement).

Areas of expertise: energy (mainly renewables), environment, water, education, digitalization, smart grids.

## Academic appointments and visiting in other universities

2002-2003 **LATTS, Laboratoire techniques Territoires et Sociétés (Unité Mixte de ENPS,**  
**CNRS, UPEM,** Post doc researcher with fellowship

1999-2001 **Università della Svizzera italiana,** Visiting scholar and research assistant

## Memberships

Member of the Editorial Board “Economics and Policy of Energy and the Environment” (peer reviewed)

Member of the Editorial Board “Management delle utilities e delle infrastrutture” (peer reviewed)

Referees for Utilities Policy, Economics and Policy of Energy and the Environment, Management delle utilities, The Review of Industrial Organization, Public Management Review.

## Fellowship and Scholarships

2003-2004 LATTIS – *Mixed research center CNRS, École nationale des ponts et chaussées e Université Marne-La-Vallée*, Paris (two fellowships at national level).

2000-2001 ENEA – Italian agency for the new technology the energy and the environment, Rome (one scholarship at national level). Research project: Economics and management of energy public services

1998-2002 University of Bologna (five scholarships at national level).

## List of taught courses

### Currently

#### **Università della Svizzera italiana, Faculty of Economics**

- Microeconomics, Master in Economics of International Policies and Master in Public Management

#### **University of Applied Sciences and Arts of Southern Switzerland, Department of Business Economics, Health and Social Care**

- Fundamentals of Public Economics, Bachelor in Business management

#### **Fondazione Campus Lucca**

- Economics (micro and macro), Bachelor in Tourism

### Previously

#### **Università della Svizzera italiana, Faculty of Economics**

- Economics of public sector and non-profit organization, Master in Master in Economics of International Policies
- Strategic management in the public sector, Master in Public Management
- Industrial Organization, Master in Economics

#### **Bocconi University, Italy**

- *“International Management Strategies for Energy and Environmental Utilities” (2009-2013)*, School of Management (SDA), Master in Public Management (MPM)
- *“Tariff’s regulation” (2005-2008)*, Master in Economics and Management of Public utilities (MEGES)

#### **Venice International University**

- *“Waste management: Economic and Legal Aspects” (2007-2010)*, Advanced Training Program focus on Capacity Building on Sustainable Development

#### **University of Ferrara**

- Economics and management of local public services, Master in Economics and management

## List of research activity

### Currently

#### **Università della Svizzera italiana**

- Ongoing research projects:
  - o “Analysis of financing strategies for Higher Education Institutions ” (2017-2019)
  - o ETER-RISIS project (Research Infrastructure for research and innovation in policy studies)

#### **University of Applied Sciences and Arts of Southern Switzerland**

- Ongoing research project:
  - o NEMo Grid (UE Horizon 2020), 2017-2020

### Previously

Implementation of a system of indicators for the measurement of research and teaching activities at the Università della Svizzera italiana” (2016-2017)

Leader Economic task research project on “Public-private partnership for hospitals in the Locarno area” (2014-2015)

Leader Economic task research project “Swiss-2-Grid” SUPSI (CH) (2012-2014)

Research member team MIUR (Ministry of Education, Universities and Research), research project “Water service regulation in Italy” (2011 - 2012)

Research member team MIUR (Ministry of Education, Universities and Research), research project “cost and benefits and externalities of water service privatization” (2010 - 2011)

Research member team USI INTERREG on (2009-2010)

Research member team USI project “Health insurance costs analysis in Canton Ticino” 2007)

Research team University of Udine – IEF Bocconi “La difesa del suolo dalla pianificazione top-down alla gestione integrata: strumenti di supporto alle decisioni e modelli organizzativi ” (2005)

Research team University of Udine – IEF Bocconi “Strumenti di mercato e politiche idriche: principi teorici, esperienze internazionali e il caso italiano” (2005)

Research team Ministère de l'Équipement et le ministère de l'Environnement, project “*Intercommunalité et développement durable des services d'eau et d'assainissement en France et en Europe*” (2004)

Leader research project ARPA Emilia Romagna (Regional Agency for Environmental Protection) “Cost-benefit analysis for balneable areas of Reno river (2003).

Leader research project ARPA Emilia Romagna (Regional Agency for Environmental Protection) “a study on the introduction of a regulatory framework for the re-using of waste waters” (2003).

Leader economic task UE project Towef0 “Development of a tariff scheme for a *Regulatory Policy* in the textile sector” (Italian partner: ENEA) (2003).

Research member team “*Water Strategy Man*” UE (2004).

Research member team IRPET/FORMEZ “A study on the governance of local public services for selected European countries” (2003-2004)

## List of publications

Antonioli B and Lepori B (2019) *Addressing the interaction between national and European research policies. A longitudinal analysis of the case of EU-FP programmes*, EGPA 2019 Annual Conference, Belfast, 11-13 September

Antonioli B (2019) *The "New Deal" for energy actors in decentralized digital markets: towards a peer-to-peer market?* EGPA 2019 Annual Conference, Belfast, 11-13 September

(Lepori B) Antonioli B (2018) *How European higher education institutions are funded? Modelling the interaction between activities*, forthcoming

Antonioli B and Giusti A (2018) *Smart grid, load management and dynamic pricing for electricity: Simulation results from a field project in Switzerland*, *Competition and Regulation in Network Industries* 19.3-4 (2018): 200-217.

Antonioli B et al (2018) *Blockchain technology and decentralized electricity production and trading: towards a peer-to-peer market?* FTAL Conference, Industrial Applied Data Science, 18-19<sup>th</sup> October, Lugano, Switzerland.

Antonioli B Massarutto M (2012) *The municipal waste management sector in Europe: shifting boundaries between public service and the market*. *Annals of Public and Cooperative Economics*, 83:4.

Antonioli B (2009) *Il mercato nazionale e locale. Il servizio al consumatore finale quale ultimo step di un'unica filiera*. *Economia delle fonti di energia e dell'ambiente* n. 3, 2008.

Antonioli B (2008) *Il servizio di gestione dei rifiuti tra concorrenza ed autoproduzione*. *Economia delle fonti di energia e dell'ambiente*, n. 1.

Antonioli B (2006) *Il Partenariato Pubblico-Privato per i servizi pubblici, i rischi e l'efficienza: esperienze europee e italiane a confronto*. *Economia delle fonti di energia e dell'ambiente*, n. 2.

Antonioli B (2006) *Si fa presto a dire gara: le procedure di affidamento del Servizio Idrico Integrato in Italia*. *Economia delle fonti di energia e dell'ambiente*, n. 3.

Antonioli B Bognetti G (2004) *L'evoluzione dell'offerta dei servizi pubblici locali in Europa*, in *Economia Pubblica* n. 2.

Antonioli B, Banfi S and Filippini M (2002) *La deregolamentazione del mercato elettrico svizzero: implicazioni per l'industria idroelettrica*. *Economia delle fonti di energia e dell'ambiente*, n. 1.

Antonioli B, Biagi F and Fazioli R (2002) *Le aste e i servizi pubblici locali*. *Economia Pubblica*, n. 1

Antonioli B, Fazioli R and Fazzioli A (2002) *Le strategie di riposizionamento delle Local Public Utilities nel mercato delle telecomunicazioni*. *Economia Pubblica*, n. 6.

Antonioli B Filippini M (2002) *Optimal size in the waste collection sector*. *The Review of Industrial Organization*, n. 20: 239-252.

Antonioli B Filippini M (2001) *The use of a variable cost function in the regulation of the Italian water industry*. *Utilities Policy* 10: 181-187.

Antonioli B, Fazioli R and Fazzioli A (2002) *Le strategie di riposizionamento delle Local Public Utilities nel mercato delle telecomunicazioni*. *Economia Pubblica*, n. 6.

Antonioli B, Fazioli R and Filippini M (2000) *Analisi dei rendimenti di scala per il servizio di igiene urbana in Italia*. *Economia delle fonti di energia e dell'ambiente*, n. 3.

Antonioli B Fazioli R (1999) *Gli incentivi impliciti nella regolazione tariffaria del settore idrico prevista nella Legge Galli. Analisi e proposte*. *Economia Pubblica*, n. 3.

Antonioli M. B., Meneguzzo M, 2012, *Le imprese pubbliche locali: una panoramica a livello europeo*, in M. Meneguzzo, D. Cristofoli, D. Ferrari, T. Gianella – *Management pubblico: teorie, esperienze e prospettive future*, Editore Salvini Bellinzona, 2012

Antonioli B., 2011, *Introduzione alle public utilities e La regolazione tariffaria e non tariffaria* in “Economia e gestione delle public utilities”, a cura di Gilardoni A., EGEA

Antonioli B., 2008, *Which European Policy?* in Gilardoni A., *The World Market for Natural Gas. Implications for Europe*, Springer

Antonioli B., 2004, *La governance esterna dei servizi pubblici. Il caso delle Agences de l'Eau*, Quaderni FORMEZ PA

Antonioli B., 2004 *La governance interna: decentramento delle funzioni e sistemi di pianificazione. Il caso della RATP*, Quaderni FORMEZ PA

Antonioli B., Bognetti G., 2004, *Modelli di offerta dei Servizi Pubblici Locali in Europa*, in “Dai Municipi all'Europa. La trasformazione dei servizi pubblici locali”, a cura di Valeria Termini, ed. Il Mulino

Antonioli B., Fazioli R., 2003, *Strumenti innovativi per lo sviluppo e le gestioni delle infrastrutture comunali*, in Grandinetti R., Massarutto A., (a cura di) “Servizi pubblici e politiche territoriali”, Franco Angeli, Milano

Antonioli B., Fazioli R., 2002, *La riforma dei servizi pubblici locali. Le strategie degli enti e delle imprese dopo la finanziaria 2002*, Il Sole 24 Ore Libri

Antonioli B., Fazioli R., Filippini M., 2000, *Il servizio di igiene urbana italiano tra concorrenza e monopolio*, in Bulckaen F., Cambini C., a cura di, *I servizi di pubblica utilità – Regolazione e concorrenza nei nuovi mercati*, Franco Angeli, Milano

Antonioli B., Fazioli R., *La riforma dei servizi pubblici locali: esperienze internazionali a confronto*, in *Rapporto sui Servizi Pubblici Locali Enea-Nomisma 1999*

Antonioli B, Ermano P., Massarutto A., 2012, *The economic assessment of regulatory reform Water and sanitation in Italy, 1994-2009*, DEAS Working Papers

Antonioli B., Massarutto M., 2010, *A comparative analysis of municipal waste management regimes in Europe: from planning to vertical integration, from State to Market*, Working paper CIRIEC

Antonioli B., Crivelli L., Filippini M., Pallotti F., 2007, *I costi dell'assicurazione malattia nel Cantone Ticino*, Working Paper Università della Svizzera Italiana

Antonioli B., Fazioli R., 2000, *Il processo di liberalizzazione dei mercati del gas e dell'energia elettrica in Italia e nei paesi europei*, Working Paper Nomisma, Laboratorio di Servizi Pubblici Locali

Antonioli B., Fazioli R., Massarutto A., Tiraoro L., 2000, *La tariffa idrica in Italia: aspetti applicativi e riflessi di politica industriale di settore*, Working Paper Laboratorio Servizi Pubblici Locali Nomisma

## Other publications

Antonioli B., 2008, *Ancora molto da (ri)fare nella riforma dei SPL*, in *Management delle Utilities*, n. 3

Antonioli B., 2008, *La distribuzione del gas in Italia: riflessioni sulle proposte di riassetto*, in *Management delle Utilities*, n. 3

Antonioli B., 2005, in *Primo Rapporto Osservatorio Gare sui servizi pubblici Utilitatis/Federutility*, Roma.

Antonioli B, 2005, *La regolazione del servizio idrico: alcune riflessioni per l'industria*, in *Management delle Utilities* n. 1

Antonioli B., Delbono R., Fazioli R., Tiraoro L., 2000, *L'obbligo di gara per le concessioni locali di servizi pubblici: opportunità e problemi per le imprese e gli enti locali*, Working Paper Nomisma, Laboratorio di Servizi Pubblici Locali

Antonioli B., Fazioli R., *L'industria del gas naturale in Italia: analisi, scenari e prospettive per il recepimento della direttiva comunitaria*, ENEA, 2000

Antonioli B., *La tecnica dell'OPV nei progetti di privatizzazione delle imprese pubbliche*, in Atti del Convegno CISPEL su L'azionariato diffuso nella gestione dei Servizi Pubblici Locali, Roma, CNEL,1/4/99

Antonioli B., Fazioli R., 1999, *La ristrutturazione dell'industria elettrica: esperienze di liberalizzazione e di privatizzazione*, in Energia, Ambiente e Innovazione n. 3/99

Antonioli B., 1998, *Corporate governance versus social governance. Il caso del processo di privatizzazione del comparto pubblico latino-americano*, mimeo

## Main consultancy reports

The energy utilities: structure and strategy (2018). Client: Agici Finanza d'impresa.

The liberalization of Swiss electricity sector: impact on local electricity firms. (2012). Client: Department of Finance and Economics, DFE, Canton Ticino

Rationalization and internationalization of Italian utilities in the global environment (2013). Client: Agici Finanza d'impresa.

The liberalization of Swiss electric sector. Business models innovation for local energy companies. (2013). Client: Department of Finance and Economics, DFE, Canton Ticino.

Rapporto tecnico sulla stima delle perdite economiche derivanti dall'innalzamento dei deflussi minimi (2014). Client: Department of Territory and Environment, Canton Ticino.

## Research field activity/Technical advice

Municipality of Bellinzona, Technical Advisor for the PAC (Programma d'Azione Comunale) (ongoing)

Department of Finance, Energy Office, Canton Ticino Government. Department of the territory and Environment, Canton Ticino Government (June 2012 - May 2015). Advisor and scientific researcher on hydroelectric sector.

Member of the RIELTI group (Reorganization of the Ticinese electrical sector). Advisor and scientific researcher for a study on possible scenarios for a distribution and retail electricity sector in Ticino.

## Member of Advisory board

- Safekee (cryptokeys cold-storage service)
- Hive Power (blockchain electricity and smart meters)

## Other work experiences

*Agici Finanza d'Impresa, Milano (Financial and Business Consulting) (2004 – 2015) Head of Public Services Area and Regulation.*

Analysis, research, consultancy on the organization and management of national and international public services, industrial economics, infrastructures; organization of national and international events and seminars. Coordination and management of research teams.

Management of relationships with Authorities / Firms / Institutions, public and private; Creation and consolidation of an important relational network (International Companies, Universities, Public Institutions, Research Centers).

*Università L. Bocconi, Milano (2005 - 2008)*

Manager of the Master in Economics and Management of Public Utility Services (MEGES). Didactic planning activities, budget and business plan preparation, teacher coordination, fundraising, relations with financing companies, career and placement.

*Laboratorio Utilities & Enti Locali, Bologna (Società di consulenza aziendale) (2001-2003) Director*

Research activities and business, financial and strategic consultancy for local authorities, public and private municipal organizations, Regions, public and private institutions (ex: Foundations).

*Ervet S.p.A. – Emilia-Romagna Valorizzazione Economica Territorio – Bologna (1997-1998) Analyst*

Promotion of sustainable development and environmental qualification of the territory.

*Other advisor activity*

National and international public utilities (Hera group, A2A group, etc), European Union (technical advisor for energy and environment projects), finance (Unicredit, Citigroup), Consultancy firms (ABM Amro, Ernst & Young, Accenture, Brattle Group)

*Languages*

Italian, French, English.