

## Maria Rosa De Giacomo, PhD

Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna  
Institute of Management (Sustainability & Management area)  
P.zza Martiri della Libertà, 33  
56127 Pisa (Italy)

and Visiting Researcher at the Bartlett- Institute for Sustainable Resources. University College of London- UCL, London.

### RESEARCH

I do research on environmental and sustainability management with a focus on the relationship between new and innovative environmental policy and economic and environmental performance of companies. My work paid particular attention to the role of eco-innovation as key element to improve environmental and competitive performance of companies. My empirical approach has spanned multiple data sources arising from different European and extra-European contexts.

*Other research fields include:* Sustainable consumption and production, CSR, green economy, circular economy, sustainability, business society, pollution prevention, environmental management systems, green labels and certifications, life-cycle approach.

### RESEARCH EXPERIENCE IN INTERNATIONAL AND NATIONAL PROJECTS

Since 2009 I worked on several national and European research projects on the topic of environmental management and sustainability:

*2016- CREATION OF A LABEL FOR LEATHER SECTOR TO COMPLY WITH ENVIRONMENTAL, ETHICAL AND QUALITY REQUIREMENTS OF PRODUCT* project- funded by an Italian private business association.

*Topic of the project:* Define a label for leather industries in order to be compliant with requirements on products imposed by fashion clients.

*Main tasks:* Data collection, benchmarking, test on-field, dissemination activities.

*2015-2016, SERVICE CONTRACT ON LIFE-CYCLE COSTING IN GREEN PUBLIC TENDERS* project- funded by a call for tender of the European Commission –DG Environment.

*Topic of the project:* Design of a tool on life-cycle costing to support public administrations in green public procurement procedures. Survey on European public administrations.

*Main tasks:* Literature review, data collection, on line survey to EU public administrations, writing reports and deliverables, dissemination activities.

*2015, ENVIRONMENTAL CERTIFICATION AND EFFECTS ON COMPANIES COMPETITIVENESS* project –funded by an Italian private association deals with environmental research.

*Topic of the project:* research on the role of many environmental certifications (e.g. ISO 14001, EMAS, FSC, PEFC, ISO 50001, ECOLABEL, etc.) and their effects on companies competitiveness and performances and on the green economy.

*Main tasks:* Data collection, literature review, writing reports, dissemination activities.

2014-2015, *SERVICE CONTRACT SUPPORTING THE EVALUATION OF THE IMPLEMENTATION OF THE EMAS REGULATION 1221/2009* project – funded by a call for tender of European Commission –DG Environment.

*Topic of the project:* Evaluation of the implementation of a form of eco-innovation, the EMAS Regulation in Europe.

*Main tasks:* Literature review on eco-innovation; survey to more than 400 companies in EU, interviews to EU Member States (to EMAS registered organisations, EMAS abandonment organisations, EMAS not adopter organisations, Member States, Environmental Verifiers, Competent Bodies), dissemination activities.

2014-2016, EU ETV (Environmental Technologies Verification) VERINET (VERification in Italy for INnovative Environmental Technology)- EU funded project.

*Topic of the project:* Monitoring of impacts of technology verifications and annual reporting through an annual online survey for ETV proposers.

*Main tasks:* Literature review, on line surveys to private companies, data collection and elaboration, writing reports, dissemination activities.

2013-2014, *ECO SCP MED* project – Integrating Experiences and Recommendations in Eco-Innovation for Sustainable Production and Consumption in the Mediterranean Area - funded by MED European Programme.

*Topic of the project:* Promotion and diffusion of practices and tools for Sustainable Consumption and Production at European level.

*Main tasks:* Literature review, writing reports, design of international workshops, design of world café sessions, administrative duties, deliverables writing, dissemination activities.

2012-2014, *IMPLEMENTATION OF ORGANISATIONAL MODELS TO PREVENT CRIME ACCORDING TO NATIONAL ITALIAN DECREE N. 231/2001 IN SMALL AND MEDIUM ORGANISATIONS OF LUCCA AREA (ITALY)* project - funded by Fondazione Cassa di Risparmio of Lucca, (Italy).

*Topic of the project:* Support companies to implement organisational models to prevent crimes. Writing of Guidelines Document to implement organisational models (with inclusion of technical tools) to integrate with Environmental and Safety Management Systems.

*Main tasks:* Literature review, development of a course and course's materials for training to business companies, training sessions to companies, writing reports, design of a national conference, administrative duties, deliverables writing, dissemination activities.

2011-2014, *BRAVE* project -Better Regulation Aimed at Valorising EMAS- funded by LIFE+ Environmental Programme of European Commission.

*Topic of the project:* Identification, development and test of effective measures for better regulation and regulatory relief.

*Main tasks:* Literature review, writing reports, administrative duties, deliverables writing, dissemination activities.

2010- 2013, *BAT4MED* project -Boosting Best Available Techniques in the Mediterranean Partner Countries- funded under European 7<sup>th</sup> Framework Programme (7FP) for Research of European Commission.

*Topic of the project:* Transferring the European Integrated Pollution Prevention Approach to environment in extra-European areas, by focusing on the study of Best Available Techniques and eco-innovative processes of North African countries, dissemination activities.

*Main tasks:* Literature review, writing reports, design of international conference, administrative duties, deliverables writing, design of communication and dissemination events, design of technical meetings

with industry experts in Morocco, Egypt, Tunisia, evaluation of eco-innovations, dissemination activities.

2009-2012, *MED IPPC NET* project - Study on the implementation of the IPPC Directive - Integrated Pollution Prevention and Control- funded by European INTERREG MED Programme.

*Topic of the project:* Study on the implementation of IPPC Directive in seven European Regions with data collection (survey and interviews) at administrative, technical, control and inspection, and company-business level.

*Main tasks:* Literature review, writing reports, design of international conference, administrative duties, deliverables writing, design of communication and dissemination events, design of technical meetings with policy makers, companies, inspection and control authorities. Survey with companies, data collection and elaboration, interviews with companies, policy makers and control and inspection authorities, dissemination activities.

2009-2012, *IMAGINE* project -Innovations for a “Made Green in Europe”-, funded by European Commission - under the Competition and Innovation Programme.

*Topic of the project:* Diffuse the environmental innovation for the organizations operating in various phases of the fashion supply chain. The project concerned the development and the application of an innovative method, the “EMAS Network Approach”, to contribute consolidating the implementation of the different steps foreseen by the EMAS –Eco-Management and Audit Scheme- European Regulation to the cluster.

*Main tasks:* Literature review, writing reports, design of international conference, administrative duties, deliverables writing, design of communication and dissemination events.

## **EDUCATION AND TRAINING**

### **Research experiences abroad**

May 2017-April 2019, Marie Curie Research Fellow

UCL –University College of London, UK – Institute for Sustainable Resources

*Topic:* Eco-innovation and business models

February 2016- April 2017, Post Doc **Visiting**

UCL –University College of London, UK – Institute for Sustainable Resources

*Topic:* Work on Horizon 2020 project on eco-innovation

### **Undergraduate and postgraduate education**

October 2013, **Ph.D in Management –Innovation, Services, Sustainability-**

*Scuola Superiore di Studi Universitari e di Perfezionamento Sant’Anna –Institute of Management– Piazza Martiri della Libertà, 33- 56127 - Pisa – Italy*

Thesis title: Eco-innovative techniques for pollution prevention: firm level implications

December 2008, **Second Level Degree (MSc) in Political Sciences curriculum Economy and Finance of Administration.**

Mark 110/110 with Honours.

*University of Siena, Italy*

Thesis tile: Aspects and problems of environmental externalities. The case study of Orbetello (Italy). (Aspetti e problemi delle esternalità. Il caso di Orbetello).

February 2008, **1st Level University Master in Tools and techniques of participation, territorial mediation, facilitation and planning for the development.**

*University of Siena, Italy*

Thesis title: Tourism trend in Tuscany. resources, pressures and strategies of sustainability.  
(Dinamiche del turismo in Toscana: risorse, pressioni e strategie di sostenibilità).

October 2006, **First Level Degree (BA) in Political Sciences and International Relations, curriculum Social Sciences for cooperation and development.**

Mark 110/110.

*University of Siena, Italy*

Thesis title: Farm holidays as a kind of sustainable tourism. The national framework and the tuscany experience.

(L'agriturismo come forma di turismo sostenibile: il quadro nazionale e l'esperienza toscana).

### **Other training**

November 2013, **Modalities for evaluation of organisational model in the case of labour accident: technical aspects and role of control bodies.**

*Formetica, Lucca (Italy)*

*Training course for Responsible for Prevention and Protection in companies.*

January 2013, **ISO 19011:2012 Course**

*RINA spa, Genova, (Italy)*

January 2013, **ISO 9001:2008 Course**

*RINA spa, Genova, (Italy)*

January 2013, **Lead Auditor OH18001:2007 Course**

*RINA spa, Genova, (Italy)*

*Training course for Lead Auditor*

September 2011, **Multivariate Analysis for Social Research**

*Calabria University, Italy*

*Summer School*

### **WORK EXPERIENCE**

*From 10/2013 – 04/2017*

*Employer: Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna, Pisa (Italy)*

*Institute of Management (Sustainability & Management area)*

*Position held: Post Doctoral Research Fellow*

*Main duties:*

- Work in European funded research and applied projects related to green economy, eco-innovations, environmental policy, sustainable management (European 7th Framework Program, CIP-Eco-Innovation, Life Program, Med Program)
- Work in national funded projects
- Writing project proposals for funding at national and European level
- Working with the European Technical Working Group on the Revision of Food, Drink and Milk BREF – European Reference Document of Best Available Techniques-
- Management of project proposals submissions (at national and European level)
- Study and research on literature review
- Data collection (interviews, survey, research in-field) and elaboration (also with the use of statistical techniques)
- Elaboration of technical and administrative reports, documents, guidelines, outputs (related to funded projects and to research)

- Elaboration and writing of project deliverables
- Production and publication of scientific articles in journals
- Work meetings inside and outside Europe (Jordan, Morocco, Spain, Slovenia, Brussels, Italy)
- Participation and organisation of Workshops (also International ones)
- Work with many kind of stakeholders (public, administrative, private, business, academic, business associations)
- Organisation of project meetings
- Organisation of workshops (also at International level)
- Application of World Café Methodology
- Organisation of technical meetings with technical experts on many topics (Sustainable Consumption and Production, Eco-innovative techniques and technologies, businessman, etc.)
- Presentation of research and project results in technical meetings, conferences, congresses, workshops
- Relationships with national and international partners of projects
- Travels for work and research aims (national, overseas)
- Experiences of audit in private companies and organisations
- Realization of communication reports regarding funded project
- Coordination of World Café Sessions regarding the development of policy recommendations in sustainable consumption and production sector
- Participation in working groups with external experts regarding the promotion of integrated pollution and prevention approach outside Europe
- Many administrative duties and tasks: conferences/technical and project meetings/international workshops organisation at all levels (technical, administrative, logistic organisation); preparation of administrative requests and documents

*From 10/2010 to 10/2013, Ph.D in Management –Innovation, Services, Sustainability-*  
 Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna –Institute of Management–  
 Piazza Martiri della Libertà, 33- 56127 - Pisa – Italy

*From 09/2009 to 09/2010*

*Employer: Ergo srl - Spin- off of Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna, Pisa (Italy)*

*Position held: **Junior consultant***

*Main duties:*

- Consultant activities to companies on environmental management (EMAS certification)
- Consultant activities to companies on corporate social responsibility (International Standard certification SA8000)
- External support to Scuola Superiore di Studi Universitari e di Perfezionamento Sant'Anna in research European funded projects (data collection, interviews in field, elaboration of reports, presentation of results to public events and project partners meetings).

## LANGUAGE SKILLS

**Mother tongue(s)** Italian

**Other tongues**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	

English	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
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## OFFICE SKILLS

Excellent use of Word, PowerPoint, Excel.

## PUBLICATIONS

Nucci, B., **De Giacomo, M.R.**, Iraldo F., 2016. The role of Life-Cycle Costing in Green Public Procurement. *Economics and Policy of Energy and the Environment*, n. 1/2016.

Daddi T., Frey, M., **De Giacomo M.R.**, Testa F., Frey M., Iraldo F., 2015. Macro-economic and development indexes and ISO14001 certificates: a cross national analysis. *Journal of Cleaner Production*, Vol. 108 Part A, pp. 1239-1248.

**De Giacomo, M.R.**, Daddi, T., 2015. The integrated permitting system and environmental management: a cross analysis of the landfill sector in Mediterranean regions. *World Congress on Sustainable Technologies, WCST 2014*, pp. 36-41.

Vazquez, V., Rodriguez, G., Daddi, T., **De Giacomo, M.R.**, Polders, C., Dils, E., 2015. Policy challenges in transferring the integrated pollution prevention and control approach to southern mediterranean countries: a case study, *Journal of Cleaner Production*, Vol. 107, pp. 486-497.

Daddi T., **De Giacomo M.R.**, Testa F., Frey M., Iraldo F., 2014. The effects of integrated pollution prevention and control (IPPC) regulation on company management and competitiveness. *Business Strategy and the Environment*, 23 (8), pp. 520-533.

Iraldo, F., Testa, F., **De Giacomo M.R.**, Modelli organizzativi 231 per le PMI: linee guida per l'implementazione. Spunti per nuovi strumenti gestionali da un progetto condotto nel distretto lucchese. *Ambiente e Sicurezza web*, 8 Luglio 2014.

**De Giacomo, M.R.**, Dominici, A., Tarantini, M., Preka, R., Litido, M., Furphy, A., Vazquez, V., Llorach, P., Gasol, M., Rieradevall, J., Farreny, R., Gabarell, X., 2014. Eco-innovative practices for sustainable consumption and production: what are the possible benefits for companies? *Administrative Sciences*, 4(3), 242-275.

Testa, F., Daddi, T., **De Giacomo, M.R.**, Iraldo, F., Frey, M., 2014. The effect of Integrated Pollution Prevention and Control regulation on facility performance. *Journal of Cleaner Production*, 64, 91-97.

Daddi, T., **De Giacomo, M.R.**, Dils, E., Polders, C., Rodriguez Lepe, G., Vazquez Calvo, V., 2013. Transferring the Integrated Pollution Prevention and Control (IPPC) Approach and Best Available Techniques (BAT) Concepts to Egypt, Tunisia and Morocco. *Sustainability*, 2944-2959.

Daddi T., **De Giacomo M.R.**, Testa F., Tessitore S., 2012. Cluster approach and eco-innovation in four industrial clusters of Tuscany region (Italy), *Environmental Economics Journal*, 3 (2), pp. 26-34, "Business Perspectives" Publishing Company.

Daddi, T., **De Giacomo, M.R.**, Frey, M., Iraldo, F., Testa, F. (2011). The implementation of IPPC Directive in the Mediterranean Area. Intech open, *Environmental Management in Practice*, ISBN 978-953-307-358-3, pp. 119-144.

Daddi T., **De Giacomo M.R.** Evaluating the differences of IPPC Directive implementation on landfill sector: results from MED IPPC NET project, proceedings of the *International Conference Safe the Planet – International Eco-forum*, Sofia, April 2011

**De Giacomo M.R.**, Dinamiche del turismo in Toscana: risorse, pressioni e strategie di sostenibilità, in R. A. Lisi – M. Marengo (a cura di), “Dentro” i luoghi. Riflessioni ed esperienze di ricerca sul campo, Pisa, Pacini Editore, 2009.

Collaborator in the research report: C. Capineri (a cura di), Dalla sostenibilità all’eco-efficienza. La valutazione delle politiche ambientali in Toscana, Firenze, Regione Toscana, Dicembre 2007. (tramite la Tesi di Master e nell’ambito dello Stage presso il Centro CISCOI Laboratorio LADEST, Università degli Studi di Siena, Facoltà di Scienze Politiche).

## **WORKING PAPERS**

Daddi, T., Todaro N., **De Giacomo, M.R.**, Frey, M. A systematic review of the use of organisation and management theories in climate change studies.  
The paper will be submitted in September 2017.

**De Giacomo, M.R.**, Testa, F., Iraldo F., 2016. Does Green Public Procurement lead to Life Cycle Costing adoption?  
The paper is under review for the publication in Journal of Purchasing and Supply Management.

Daddi, T., **De Giacomo, M.R.**, Frey, M., Iraldo, F., 2015 What explains the decrease of EMAS registrations at the European level? Paper presented at the Global Cleaner Production and Sustainable Consumption Conference. (Sitges, November 2015).  
The paper will be sent to Journal of Cleaner Production in September 2016.

## **OTHER RELEVANT PROJECTS**

I am working on a project proposal about the effects of eco-innovation policies on economic performance of companies, by investigating the role of business models for environmental management. The project will be submitted for a potential funding.

## **TEACHING EXPERIENCE**

Year 2014. Training course *Valorisation of environmental management systems to comply with requirements of national legislative decree n. 231/2001. Inputs for determine efficient organisational and management models according to ISO 14001 standard.*

Under the training activity “Small and Medium Enterprises – Support Small and Medium Enterprises under research and innovation topic”.

Service Centre for companies (Cagliari), Italy.

## **INDUSTRY ENGAGEMENT**

- Year 2013-2014. Interactive Training Course for business companies on the implementation of organisational models as exempt condition for administrative responsibilities of legal persons. The course was focused mainly on environmental health and safety conditions in Small and Medium Enterprises.

The course included an interactive training with business sector, in addition to experiences on field (company audits).

The main outputs was a Guidelines document for the implementation of organisational models taking into account implemented Environmental Management and Safety Systems within companies.

- Since 2009. I have several experiences in industry, due to research and project activities and to consultancy tasks.

Main activities concern: training and consultancy in the field of environmental management, corporate social responsibility, health and safety.

### **OTHER RELEVANT ACTIVITIES**

- 1) I am currently work with some Italian companies to support Members of European Technical Working Group for the Revision of the current version of FDM BREF (European Reference Document on Best Available Techniques of Food, Drink and Milk Sectors). The work includes, among others, information collection and study of main relevant business practices in the FDM sector.
- 2) Reviewer for Sustainability journal (<http://www.mdpi.com/journal/sustainability>)
- 3) Reviewer for Journal of Cleaner Production

### **NATIONAL CONFERENCES AND CONGRESSES**

- National Congress on Organizational Model as exempt condition for administrative responsibilities of legal persons. Presentation of Guidelines for implementation of Organizational and Prevention Models for crimes for environmental, health and safety conditions in Small and Medium Enterprises of Lucca area (Italy), Lucca, Italy (July 2014)
- 1st Forum for Innovation study. Poster session, Rovigo, Italy (November 2011)
- National Conference on European Project MED IPPC NET, Turin, Italy (October, 2010)
- Rete Cartesio National Conference – Florence, Italy (September 2009)

### **INTERNATIONAL CONFERENCES AND CONGRESSES**

- M.R. De Giacomo. Managerial cognition and eco-innovation: an exploration of top management team members' cognitive frames. 20<sup>th</sup> Annual “Cognition in the rough” workshop, Academy of Management Conference, Atlanta, U.S. (August 2017).
- M.R. De Giacomo. Presentation of my Marie Curie Project. Business Model Day - Cass Business School, London, May 2017.
- Daddi, T., De Giacomo, M.R., Frey, M., Iraldo, F. What explains the decrease of EMAS registrations at the European level? Global Cleaner Production and Sustainable Consumption Conference. Sitges, November 2015.
- De Giacomo, M.R., Daddi, T. The integrated permitting system and environmental management: a cross analysis of the landfill sector in Mediterranean regions. Paper accepted for the World Congress on Sustainable Technologies (WCST-2014), London, UK (8-10 December, 2014).
- Green Week Conference, Brussels (June, 2014)
- New Doctoral Student Consortium – ONE (Organization and Natural Environment) Division, Academy of Management Conference, Orlando, U.S. (August 2013)
- Final Conference BAT4MED project, Jordan (June, 2013)
- 2nd World Sustainability Forum e-conference (web on-line forum), Daddi T., De Giacomo M.R. Environmental Policies Assessment and Management: the Case of Integrated Pollution Prevention and Control (IPPC) Directive in the Waste Sector (November, 2012)
- New Doctoral Student Consortium, Academy of Management (AOM) Conference, Boston, U.S. (August 2012)
- Final Conference IMAGINE project, Pisa (September 2012)
- Final conference MED IPPC NET project, European Commission, Brussels (September, 2011)
- International Conference Safe the Planet – International Eco-forum, Sofia, (April 2011)

## **INTERNATIONAL WORKSHOPS**

- Lead Applicant Workshop of INTERREG Europe Programme. Bruxelles, Belgium (10-11 June 2015)
- 2° International Workshop of the project ECO SCP MED, Bologna, Italy (May, 2014)
- 1° International Workshop of the project ECO SCP MED, Pisa, Italy (November, 2013)