



**Sant'Anna**

Scuola Universitaria Superiore Pisa

## The UN Global Compact

### COMMUNICATION ON ENGAGEMENT

*Scuola Superiore di Studi Universitari e di  
Perfezionamento Sant'Anna - Pisa, Italy*

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## Letter of renewed commitment

At the Scuola Superiore Sant'Anna, one of our main goals is the education of future leaders, both for public and private organisations, providing interdisciplinary knowledge and well-grounded skills. We also represent an important research centre at national level, pursuing the excellence within the scientific community.

We strongly believe that a high quality education, as well as an innovative academic research, may effectively improve the future of our society, in a social, economic, and environmental sustainability perspective.

The participation to the UN Global Compact has raised new challenges for our University. Inspired by the initiative, and actively cooperating with the Italian Global Compact Local Network, we help our students to become interpreter of the today global changes and future leaders of sustainable development.

Coherently, we renew our commitment to the UN Global Compact initiative and its Ten Principles, and we confirm our pledge in the promotion of a more responsible education and scientific research for the world, seeking for future leaders to be responsible professionals.

We also encourage other academic institutions and associations to adopt and support these Principles.

A handwritten signature in black ink that reads "Marco" followed by a stylized flourish that extends to the right and then curves downwards.

Marco Frey  
Institute of Management Director

## Introduction

The Scuola Superiore Sant'Anna (now on "Scuola"), located in Pisa - Italy, is a public university accredited by the Italian Government through the Ministry of Education, University and Research, that holds a unique position within the Italian higher education system. It is a university in its own right, offering Master's and PhD programmes, whereas the undergraduate programmes are run in conjunction with the University of Pisa.

The Scuola is a research university where students, researchers and professors form part of a scientific community that aims to combine diversified knowledge and creativity with innovative advancements in science and technology. Excellence in training and research, internationalization, and interaction with the job market - these are the objectives of the Scuola, which also offers training and postgraduate courses.

The Scuola aims at experimenting innovative paths in research and education, with an inter-disciplinary approach. There are currently six Institutes, all of which offer graduate programs in which rigorous traditional courses are combined with opportunities for research, service learning, internships and entrepreneurship in both national and international contexts.

In this framework, the adhesion to the UN Global Compact (2010) and to the PRME initiative (2012) represents a coherent choice towards a sustainable, innovative, and better society for future generations.

## The incorporation of sustainability into internal operations

The Scuola has integrated sustainability into its governance structure and its internal operations. The Scuola **Code of Ethics** (updated on April 2014) follows the peculiarities of our university, emphasizing the centrality of a supportive community, in which acts a collegial reality, the promotion of merit as the primary constitutional value and fundamental instrument of social mobility, the fertile and permanent intersection between training and research and the valorisation of the differences. The Code is divided into three parts: target and objectives, rules of behaviour, organs and means of implementation (i.e. the Board of Ethics, which verifies and communicates the implementation of the Code). Among the issues faced by the Code, a special emphasis is given to the norm on "favoritism and nepotism", which provides for concrete measures to defeat them and on that about "conflict of interest". In accordance with the European Charter for Researchers, issued by the European Commission Recommendation 2005/251/EC, the Code states that the Scuola considers all the members of the research staff operating within as professionals, regardless of their classification on the different juridical status existing at the legislative level, moreover the Scuola binds itself to settle working conditions that guarantee equality between genders in the research activities and the creation of a research environment that can provide adequate tools and opportunities.

## The promotion of the UN Global Compact Ten Principles

The Scuola promotes the UN Global Compact Ten Principles:

- ◆ **Delivering education on topics related to the UN Global Compact, its Ten Principles and more generally on issues related to sustainability and corporate sustainability** within:
  - **Under-graduate classes** on the following matters: Energy Resource Management; Corporate citizenship between ethics and economics; Corporate citizenship in an international perspective;
  - the International **Ph.D. Programme on Innovation, Sustainability and Healthcare**. Seminars on Sustainability management were designed to introduce the Ph.D. students to the fundamental skills and tools regarding sustainability management in general, and its effects on environmental and competitive performance in particular. The aim of the seminars was to present different and multidisciplinary approaches that can be applied to investigate the topic. The total training hours were 30 per year.
  - the **Master in Innovation Management**, a specific course on sustainability issues has been given in the last 4 editions for a total of about 80 people trained. In particular, the course, entitled **Sustainability management and reporting**, foresees a 40 hours of training, aiming to provide students with fundamental knowledge of the notion of corporate sustainability, its background, its objectives and operating modalities. It has been organized mainly referring to corporate citizenship implementation modalities through private self-regulation, public-private co-regulation and public regulation to promote self-regulation among business sector actors. A specific focus has been done on the analysis of the connections between corporate strategy and corporate sustainability, as well as the impact of corporate sustainability on business's functional organizational structures and on business performances. The course aimed to equip participants with both the theoretical knowledge and the practical skills challenging students to think strategically, multi-dimensionally and innovatively regarding business management and processes.
  - the **Second Level Master in "Environmental Management and Control: efficient management of resources"** has been designed to provide outstanding training to those who want to work in sectors in which it is crucial the efficient management of resources. The Master is based on a multidisciplinary approach aimed at creating systemic skills in the management of environmental issues, both in terms of the regulation and management of public services (water, waste, energy, transport) and in the management of integrated cycles and integrated budgets for materials, water, energy.
  - the MA in **Human Rights & Conflict Management**, which brings together learning activities and curricula related to this topic. The course

“International Law and Human Rights Law” concentrates on the current tools and mechanisms available for the protection of human rights and fundamental freedoms (the United Nations and human rights: the Charter based and treaty bodies systems) and on regional systems for the protection of human rights. The course "International Human Rights Field Operations" enables effective learning experiences by offering to the students a detailed overview of human rights monitoring and reporting techniques (how to assess information, to conduct interviews, how to conduct meetings with government officials, etc.) and by presenting the dilemmas in fieldwork.

◆ **Conducting applied research on sustainability and corporate sustainability related issues.** In terms of research achievements, a list of the main international publications on sustainability, starting from 2013, can be found below:

- Testa F., Annunziata E., Iraldo F., Frey M., 2016. *Drawbacks and opportunities of green public procurement: an effective tool for sustainable production.* Journal of Cleaner Production 112 (3) 1893 – 1900
- Lanzini P., Testa F., Iraldo F., 2016 *Factors affecting drivers' Willingness To Pay for biofuels: the case of Italy* Journal of Cleaner Production, 112 (4) 2684 - 2692
- Testa F., Grappio P, Gusmerotti NM., Iraldo, F., Frey, M., 2016. *Examining green public procurement using content analysis: existing difficulties for procurers and useful recommendations.* Environment, Development and Sustainability, 18 (1) 197 - 219
- Annunziata E, Testa F, Iraldo F, Frey M, 2016. *Environmental responsibility in building design: an Italian regional study,* Journal of Cleaner Production, 112 (1), 639 – 648
- Daddi T., Iraldo F., 2016. *The effectiveness of cluster approach to improve environmental corporate performance in an industrial district of SMEs: a case study.* International Journal of Sustainable Development & World Ecology, 23 (2) 163 – 173
- Battaglia M., Passeti E., Frey M., 2015 *Occupational health and safety management in municipal waste companies: A note on the Italian sector* Safety Science, 72, 55-65
- Sommario E., 2015. *Human Rights, International Humanitarian Law and States of Emergency* in “Learning from the past to chart the way forward”, Edizioni Il Campano, ISBN: 9788865282762
- Alabrese M. 2015 *Biofuel regulation in the EU: a failure in the path towards environmental sustainability and food security?* In “Law and Agroecology: A Transdisciplinary Dialogue”, Springer-Verlag; ISBN: 978-3-662-46616-2
- Alabrese M., Brunori M., Rolandi S., Saba A., 2015 *Agri-food industries and the challenge of reducing food wastage: an analysis of legal opportunities in “Envisioning a future without food waste and food poverty”* ISBN: 978-90-8686-275-7

- Certomà, C.; Corsini, F.; Rizzi, F., 2015 *Crowdsourcing urban sustainability. Data, people and technologies in participatory governance* Futures 93-106
- Daddi T., Frey M, De Giacomo M. R., Iraldo F., Testa F., 2015. *Macro-economic and development indexes and ISO14001 certificates: a cross national analysis*, Journal of Cleaner Production, 108, 1239-1248
- Iraldo F., Testa F., Tessitore S., Nucci B., Daddi T., 2015 *The “state of play” in life cycle assessments: a survey on how Italian companies perform life-cycle assessments and product footprints*, Environmental Economics, 6(2), 6-16
- Tessitore S., Daddi T., Iraldo F., 2015. *Eco-Industrial Parks Development and Integrated Management Challenges: Findings from Italy*, Sustainability, 7(8), 10036-10051
- Testa F., Boiral O., Iraldo F., 2015. *Internalisation of environmental practices and institutional complexity: can stakeholders pressures encourage greenwashing?* Journal of Business Ethics, 1-21
- T. Daddi M. Frey, MR De Giacomo, F. Testa, F. Iraldo, 2015. *Macro-economic and development indexes and ISO14001 certificates: a cross national analysis* Journal of Cleaner Production 108, 1239-1248
- S.Tessitore , F. Testa, T. Daddi, F. Iraldo 2014. *The cluster approach as solution to improve environmental management at the SME level: a comparison study*. Environmental Engineering and Management Journal 13 (7), pp. 1827-1838
- Battaglia M., Frey M., Passeti E., 2014. *Accidents at Work and Costs Analysis: A Field Study in a Large Italian Company* Industrial Health, 52(4), 354–366.
- Rizzi F., Frey M., Testa F., Appolloni A. 2014 *Environmental value chain in green SME networks: the threat of the Abilene paradox*, Journal of Cleaner Production 85, pp 265-275
- Testa F., Daddi T., De Giacomo MR, Iraldo F., Frey M., 2014 *The effect of IPPC regulation on facility performance*, Journal of Cleaner Production 64, pp.91-97
- F. Testa; F. Rizzi; T.Daddi; N.M. Gusmerotti; M. Frey; F. Iraldo, 2014. *EMAS and ISO 14001: the differences in effectively improving environmental performance*. Journal Of Cleaner Production, 165–173.
- Daddi T., Testa F., Iraldo F., Frey M., 2014. *Removing and simplifying administrative costs and burdens for EMAS and ISO 14001 certified organizations: evidences from Italy*. Environmental Engineering And Management Journal, 689–698.
- M.Battaglia, F.Testa, L.Bianchi, F.Iraldo, M.Frey, 2014. *Corporate Social Responsibility and Competitiveness within SMEs of the Fashion Industry: Evidence from Italy and France*. Sustainability, 872–893.
- E. Annunziata, F. Rizzi, M. Frey, 2014. *Enhancing energy efficiency in public buildings: The role of local energy audit programmes*. Energy Policy.
- M. Borzoni, F. Rizzi, M. Frey, 2014. *Geothermal power in Italy: A social multi-criteria evaluation*. Renewable Energy, 60–73.
- F. Iraldo, F. Testa, I. Bartolozzi, 2014. *An application of Life Cycle Assessment (LCA) as a green marketing tool for agricultural products: the case of extra-virgin olive oil in Val di Cornia, Italy*. Journal Of Environmental Planning And Management, 78–103.

- Sara Tessitore; Tiberio Daddi; Fabio Iraldo, 2013. *The link between environmental and economic performance: evidence from some eco-innovative industrial clusters*. International Journal Of Environment And Sustainable Development, 125–144.
- T. Daddi; M. R. De Giacomo; E. Dils; Polders C.; G. Rodriguez Lepe; V. Vazquez Calvo, 2013. *Transferring the Integrated Pollution Prevention and Control (IPPC) Approach and Best Available Techniques (BAT) Concepts to Egypt, Tunisia and Morocco*. Sustainability, 2944–2959.
- T. Daddi, M.r. De Giacomo, F. Testa, M. Frey, F. Iraldo, 2013. *The Effects of Integrated Pollution Prevention and Control (IPPC) Regulation on Company Management and Competitiveness*. Business Strategy And The Environment.
- F. Gasbarro, F. Rizzi, M. Frey, 2013. *The mutual influence of Environmental Management Systems and the EU ETS: Findings for the Italian pulp and paper industry*. European Management Journal, 16–26.
- A. Maiello, A. C. Cristovão, A. L. Nogueira De Paiva Britto, M. Frey, 2013. *Public participation for urban sustainability: investigating relations among citizens, environment and institutions. An ethnographic study*. Local Environment, 167–183.
- A. Maiello, C. V. Viegas, M. Frey, J.l. Duarte Ribeiro, 2013. *Public managers as catalysts of knowledge co-production? Investigating knowledge dynamics in local environmental policy*. Environmental Science & Policy, 141–150.
- E. Annunziata, M. Frey, F. Rizzi, 2013. *Towards nearly zero-energy buildings: The state-of-art of national regulations in Europe*. Energy.
- I. Bartolozzi, F. Rizzi, A. Borghini, M. Frey, 2013. *Life cycle assessment of a rubberized asphalt road in Lamia, Greece*. Fresenius Environmental Bulletin, 2004–2010.
- F. Decarolis, M. Frey, 2013. *Introduction to the special issue: Public Procurement's place in the word: the charge towards sustainability and innovation*. Rivista Di Politica Economica, 5–13.
- E. Annunziata, M. Frey, F. Iraldo, F. Testa, 2013. *The Contribution of Green Public Procurement to Energy Efficiency Governance in Buildings*. Rivista Di Politica Economica, 17–39.
- M. Frey, F. Testa, F. Iraldo, 2013. *The determinants of eco innovation in green supply chains: evidence from an Italian sectoral study*. R & D Management, 352–364.
- F. Rizzi, N.J. Van Eck, M. Frey, 2013. *The production of scientific knowledge on renewable energies: Worldwide trends, dynamics and challenges and implications for management*. Renewable Energy, 657–671.
- F. Corsini, F. Rizzi, N.M. Gusmerotti, M. Frey, 2013. *Extended Producer Responsibility and the Evolution of Sustainable Specializations: Evidences From the e-Waste Sector*. Business Strategy And The Environment.
- F. Rizzi, E. Annunziata, G. Liberati, M. Frey, 2013. *Technological trajectories in the automotive industry: Are hydrogen technologies still a possibility?*. Journal Of Cleaner Production.



➤ M. Battaglia; E. Meloni; A. Cautillo, 2013. *Technical assessment and public perception of environmental issues: the case of the Municipality of Pisa*. Local Environment.

◆ **Creating a strong partnership between the business world and our university** leading and participating to research projects having as main target companies and/or business-related issues, on sustainability management matters. A list of some main on-going research projects, developed in partnership with public and private institutions, is given below.

<b>MAIN INTERNATIONAL RESEARCH PROJECTS</b>	
<b>MARSOL - Demonstrating managed aquifer recharge as a solution to water scarcity and drought</b>	MARSOL is a European Project founded by FP7 and coordinated by Darmstadt Technical University. Eight field sites were selected that will demonstrate the applicability of MAR using various water sources, ranging from treated wastewater to desalinated seawater, and a variety of technical solutions. Targets are the alleviation of the effect of climate change on water resources, the mitigation of droughts, to countermeasure temporal and spatial misfit of water availability, to sustain agricultural water supply and rural socio-economic development, to combat agricultural related pollutants, to sustain future urban and industrial water supply and to limit seawater intrusion in coastal aquifers.
<b>An effective sustainable product policy framework</b>	The Institute of Management is partner with CE Delft – an independent, non-profit environmental research and consultancy organisation- and Ricardo-AEA -an internationally-renowned consultancy with world-leading energy and environmental expertise - of the European framework contract “An effective sustainable product policy framework”, carried out on behalf of European Commission. The main objective of this project, that has a duration of nine months, is to realize a study to identify and assess policy measures to increase the effectiveness and efficiency of the existing policies addressing environmental impacts of products. To this purpose, the project would provide knowledge on areas that a future policy framework should address.
<b>Service Contract Supporting the Evaluation of the Implementation of the EU Eco-Management and Audit Scheme (EMAS) Regulation 1221/2009</b>	The objective of the project is to analyse the strengths and weaknesses of EMAS and to make recommendations for a possible review of the Regulation with the future publication of EMAS IV. The partners of the project are the German consulting company Adelphi and the Institute of Management.
<b>COST Action "People friendly cities in a data reach world"</b>	The Project aims at creating a collaborative network of trans-disciplinary experts and non-experts to explore the dual concept of “Smart and Liveable Cities” where citizens are both users and co-creators of cities, and cities are in turn an evolving business environment.
<b>PREFER – PProduct Environmental</b>	PREFER is a European project, funded by the Life plus Programme of the European Commission. The project starts on October the 1st, 2013 and is

<b>Footprint Enhanced by Region</b>	due to be completed within December 2016. The Institute of Management is the main beneficiary of the project and cooperates with 6 partners: CENTROCOT (Busto Arsizio), Consorzio dell'Asti (Asti), ERVET (Bologna), Distretto Nocera Gragnano (Salerno) and Regione Lombardia. The aim of the PREFER project is to fully implement the EU Product Environmental Footprint (PEF) methodology in 8 Italian clusters.
<b>ECO-SCP-MED: Integrating Experiences and Recommendations in Eco-Innovation for Sustainable Production and Consumption in the Mediterranean Area</b>	The project ECO-SCP-MED is a 18-month project which aims at ensure sustainability across the supply chain of the mains products and services in the MED area, whose cornerstone is fostering eco-innovation and competitiveness through transnational cooperation, integrating experiences and recommendations towards this objective.
<b>PRISCA (Pilot project for scale re-use starting from bulky waste stream)</b>	PRISCA aims at contributing to the effective implementation of the Thematic Strategy on waste and natural resources. PRISCA project fully falls in promoting waste prevention and application of the Directive on waste management.
<b>REGEOCITIES - Regulations of Geothermal HP systems at local and regional level in Europe (2012-2015)</b>	The project is focused on the achievement of the National Renewable Energy Action Plans (NREAP) geothermal targets 2020 marked by countries with ambitious objectives regarding Shallow Geothermal (SGE) systems by means of the removal and clarification of the non-technical administrative/ regulatory barriers at local and regional level.
<b>BRAVE "Better Regulation Aimed at Valorising Emas"</b>	The BRAVE project aims at supporting the full integration of EMAS (and of other voluntary certification schemes, such as the EU Ecolabel) in the EU and Member States environmental legislation
<b>BAT4MED "Boosting Best Available Techniques in the Mediterranean Partner Countries"</b>	The project aims to analyse the potential impact of the introduction of the Integrated Pollution Prevention and Control (IPPC) concept in the Mediterranean Partner Countries (MPCs hereinafter) and, more specifically, if this can contribute to minimize the negative impacts associated with polluting industries from key industrial sectors.
<b>LAIKA "Local Authorities Improving Kyoto Actions"</b>	The project aims to demonstrate that local authorities are able to adopt effective harmonised accounting, planning and reporting methods for projects and plans in the field of GHG emission reductions.
<b>RES-MAR "Reseau pour l'Environnement dans l'Espace Maritime"</b>	The general objective of the project is to develop joint policies in relation to the protection and monitoring of coastal areas and water and soil protection, including through innovative models of managerial action applied by public bodies and socio-economic actors in order to light the best strategies for cross-border environmental compartments water and soil.

Moreover, in November 2013 one of our Institute (Institute of Law, Politics and Development) launched the report "**Business and Human Rights: The Italian case**", which is the result of a research conducted on behalf of the Italian OECD National Contact Point, aiming at supporting the Italian Action Plan to implement the UN Guiding Principles on Business and Human Rights. Doing that, we have concretely stimulated the debate between the Italian Ministry of Economic Development, the civil society, the media and the educators on the global and critical issue of human rights and business.

- ◆ **Leading capacity to the Global Compact Network Italy Foundation.** The Scuola officially participates to the Global Compact Network Italy Foundation through its spin-off company, Ergo S.r.l. Nevertheless it directly supports the Foundation providing pro bono scientific support to some of the Foundation Working Groups activities. More in detail the Scuola collaborated to the production of:

- the Report "MAKING THE CASE. Business, biodiversity and ecosystem services as a tool for change";
- a basic training package on Business & Human Rights for use by the Foundation participating companies.

Professor Marco Frey, the Director of the Institute of Management, is the President of the Global Compact Network Italy Foundation.

## Contacts

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For further information on this Report, and on the commitment of the Scuola on UNGC Principles, you may refer to Professor Marco Frey, Director of the Institute of Management: [m.frey@sssup.it](mailto:m.frey@sssup.it)