



Ministero degli Affari Esteri
e della Cooperazione Internazionale



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Vietnam - 2021, April 16th – 24th

Saturday April, 17th, h. 17.00-18.00 (VN) – h. 12.00-13.00 (IT)

Webinar on Environment

Title: Frontier research and careers' opportunities in Environmental sciences

This webinar focuses on the role of environmental scientists, architects, engineers and economists in leading future environmental policies. Climate change does require new skills to manage sustainable cities, green infrastructures and landscapes. But it also imposes a conscious approach to develop positive attitudes and good practices by citizens and Institutions. With a coordinated effort, we can all reach the goal to build sustainable cities, protected landscapes and green infrastructures that put people's needs at the centre. Speakers from leading Italian universities and companies will talk about these needed skills and present their projects to keep development sustainable.

Chair: prof. G. Giovannetti (University of Firenze)

Speakers:

Prof. F. Ferrini (University of Firenze): City of the future. How they will be or how they should be? Prof. Ferrini will show the target to be met for the Vietnamese cities of the future in terms of improving health and well-being of the citizens, reducing pollution, mitigating the Urban Heat Island (UHI), preserving biodiversity, increasing CO₂ sequestration and storage and so on.

Prof. Daniele La Rosa and **Prof. Cristina Satriano** (University of Catania): The revision of University Master Courses in Vietnamese HEI for climate change management and adaptation Professors La Rosa and Satriano will provide examples of the University involvement to develop new and revise existing University Master Courses in Vietnamese HEI for climate change management and adaptation. In Vietnam, the global debate about climate change and related potential risk and negative effects on socio-ecological systems is producing a revision of the current Higher Education offer to tackle with the lack of specialists able to solve current multi-faceted environmental and sustainability problems, the lack of interdisciplinary programs as well as the need in platforms for interdisciplinary research / studies / collaboration with business and authorities. European Union has fostered and funded Capacity Building projects (under the wide umbrella of the Erasmus+ Programme). Two projects by the University of Catania on these topics will be presented, namely FOREST (Future-Oriented Chemistry) and MARE (Marine Coastal and Delta Sustainability for Southeast).

Prof. F. Pulselli (University of Siena): The GHG Inventory and the Carbon Neutrality Territorial Alliance. This is the story of a 12-year project that incorporates research, policy, didactic activity and communication. We will show how the GHG monitoring activity in our Province has become a reference point for a number of local policies towards the carbon neutrality of the entire territory, and how it encourages the involvement of both public and private subjects, such as municipalities, associations, schools, enterprises for progressive improvement of the environmental performances. This is a virtuous



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example of convergence of scientific knowledge, solution implementation, communication and awareness, that is replicable everywhere.

Federico Bestiani, (Bestinai Engineering Company LLC. BEC) – Founder and CEO), testimonial: “Matching Italian University skills with work environment in Asia”

Fabio Barletta (CEO FBINNOTECH) , testimonial: “Preparing students to compete and be innovative”

Phuong Anh Nguyen, (University of Firenze) Student testimonial, “My experience as an international student in Italy”

Very short bio of the speakers

Ing Federico Bestiani, Testimonial, After studying Engineering at the Politecnico of Milan, he worked in Italy, China and Cambodia as production manager and business development manager. Since 2018 he is in Ho Chi Minh city where he works as Founder and CEO of the Bestiani Engineering Company (BEC). The Company uses solar energy and renewable energy where it is most needed. <http://bestiani.com/language/en/renewable-energy-vietnam/>

Prof. Francesco Ferrini, PhD - Full Professor at the Department of Agriculture, Food, Environment and Forestry – University of Florence (Italy). From 1990 he has published more than 320 scientific and technical papers in Italian and in English in international referred and nationwide journals (100 indexed in Scopus, IF 24; 251 indexed in Google Scholar, IF 30). He has given more than 200 talks in several international and national congresses.

Prof. F. Pulselli Associate Professor in Environmental and Cultural Heritage Chemistry at the University of Siena. His research focuses on sustainability foundations and indicators and the development of environmental accounting methods for micro- and macro-systems, such as LCA, Energy, Ecological Footprint and the GHG inventory.

Daniele La Rosa (PhD in Urban and Regional Planning) is Associate Professor in Urban and Environmental Planning at the Department Civil Engineering and Architecture of the University of Catania (Italy), where he teaches spatial planning and urban design in Building Engineering MSc course. His research topics include sustainable planning, Ecosystem Services, GIS applications for urban and landscape planning.

Phuong Anh Nguyen (Student at the University of Firenze) She came from Vietnam to do a Master degree at the University of Firenze, she is graduating at the end of April with a Master thesis on the Sustainable Development Goals. She is currently applying for PhD.

Cristina Satriano (PhD in Materials Science) is associate professor of Physical Chemistry at the Department of Chemical Sciences of University of Catania. Her research activity deals with sustainable and green chemistry approaches for the fabrication of smart multifunctional nanomaterials and their application at the (bio)interface.

Fabio Barletta Researcher in the field of composites, in 2014 he began a successful research on the lamination of cork and carbon, and he succeeded in coupling the two materials. In 2018 he founded the



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FBINNOTECH company presenting “LEAFLAT”, a completely new and innovative product used for the coating of any type of surface. This material has been then used in the nautical, aeronautical and construction sectors. <https://www.fbinnotech.com/>

Prof. Giorgia Giovannetti, Vice President for international Relationships and Professor of Economics, University of Firenze. She acted as Scientific Director for the European Report on Development (2008-2010), Director of the Research Centre of the Italian Trade Institute-ICE (2005-2007), Advisor for the EU Commissioner for Development (2009-2012), the President of the Italian Trade Institute-ICE (2004-2014), the Italian Treasury (2003-05) and the Italian Ministry of Foreign Trade (2002-05). She holds a PhD in Economics from Cambridge University. She has been fellow of Trinity College- Cambridge and lecturer (1990-1995). Her research interests include macroeconomics, political economy, international trade, European Economy and development economics.



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