



Seasonal School on **Biodiversity and Business: from Research to Impact**

Pisa, 22nd-26th January 2024

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The protection of biodiversity is a global challenge, and the EU aims to lead the way in reversing its loss through its 2030 Biodiversity Strategy. Businesses play a crucial role in developing a model that safeguards and regenerates biodiversity and the ecosystem services they provide. The Seasonal School "Biodiversity and Business: from Research to Impact" is dedicated to tackling the global challenge of biodiversity protection and promoting a regenerative economic development model.

The objectives of the Seasonal School are as follows: (1) examine and promote a development model capable of protecting and regenerating biodiversity and the services that ecosystems provide, from a perspective of regenerative economic development; (2) provide participants with stimuli and tools to understand and measure the impact of business on biodiversity, evaluate risks and opportunities; and (3) foster technological and organizational innovation, encouraging the development of new technological and organizational solutions that foster a regenerative economy that protects natural capital.

The Seasonal School is affiliated with the National Biodiversity Future Center (NBFC), an Italian project funded by the European Union's NextGenerationEU initiative. The NBFC, approved by the Italian Ministry of University and Research, involves 48 partners and over 1,300 researchers focused on biodiversity.

The Seasonal School will include lectures by professors as well as presentations by entrepreneurs and other people and organizations active with different types of profit and non-profit initiatives aimed at contributing to the common good. Students will be also asked to contribute not only with questions but also with short presentations about specific issues as well as their personal experiences.



Date	Title	Speaker	References	Co-Docente
Monday 22 January				
9:00-11:00	Introduction to the course and participants' presentation	Andrea Piccaluga, Valentina Cucino <i>Institute of Management, SSSA</i>	Dasgupta, P. (2021). The economics of biodiversity: the Dasgupta review. Hm Treasury. Winn, M. I., & Pogutz, S. (2013). Business, ecosystems, and biodiversity: New horizons for management research. <i>Organization & Environment</i> , 26(2), 203-229. Di Minin, A., Testa, F., Cucino, V., Tosi, D., Ontano, G., Tartari, V., ... & Banerjee, B. (2023). The Biodiversity Moonshot. System Thinking to Co-Create a Biodiversity Embedded Future for Companies. <i>Proceedings-Academy Of Management</i> , 2023(1), 5250-5250	
11:00-13:00	The National Biodiversity future center: mission and actions	Riccardo Coratella <i>NBFC</i>	www.nbfc.it	Alberto Di Minin, Andrea Piccaluga, Valentina Cucino <i>Institute of Management, SSSA</i>
13:00-14:00	Lunch at the canteen			
14:00-15:45	European Biodiversity Policies through ERA HUB and Smart Procurement.	Andrea Filippetti, Fabrizio Tuzi, <i>ISSIRFA- National Research Centre</i>		Alberto Di Minin Andrea Piccaluga, Valentina Cucino
15:45-17:15	Enhancing Innovation for Biodiversity: the case of 3bee	Virginia Castellucci, <i>3 Bee</i>	www.3Bee.it	Valentina Cucino, Andrea Piccaluga, <i>Institute of Management, SSSA</i>
17:30	Aperi-mind		welcome drink and networking at Scuola Sant'Anna	Valentina Cucino, Andrea Piccaluga,



Tuesday 23 January				
9:00- 13:00	Untangling the complexity of biodiversity	Francesco Testa, Sara Tessitore, Vinicio Di Iorio Niccolò Todaro <i>Institute of Management, SSSA</i>	<p>Frontal Lecture and Group Laboratory Activities.</p> <p>Panwar, R., Ober, H., & Pinkse, J. (2023). The uncomfortable relationship between business and biodiversity: Advancing research on business strategies for biodiversity protection. <i>Business Strategy and the Environment</i>, 32(5), 2554-2566.</p> <p>Hahn, T., & Tampe, M. (2021). Strategies for regenerative business. <i>Strategic Organization</i>, 19(3), 456-477.</p>	Valentina Cucino, <i>Institute of Management, SSSA</i>
13:00-14:00	Lunch at the canteen			
14:15-15:45	Economic valuation of ecosystem services in the waste management framework	Maria Cristina Lavagnolo <i>University of Padova</i>	<p>Kumar, P. (Ed.). (2012). The economics of ecosystems and biodiversity: ecological and economic foundations. Routledge. Chapter 5 pages: 183-211</p> <p>Tamburini, E., Gaglio, M., Castaldelli, G., & Fano, E. A. (2020). Biogas from agri-food and agricultural waste can appreciate agro-ecosystem services: The case study of Emilia Romagna region. <i>Sustainability</i>, 12(20), 8392.</p> <p>Liu, S., Costanza, R., Farber, S., & Troy, A. (2010). Valuing ecosystem services: theory, practice, and the need for a transdisciplinary synthesis. <i>Annals of the New York Academy of Sciences</i>, 1185(1), 54-78</p>	Valentina Cucino, <i>Institute of Management, SSSA</i>
15:45-17:15	Biodiversity and Health: new perspectives from the nutritional point of view	Rachele De Giuseppe <i>University of Pavia</i>	Rose D, Heller MC, Roberto CA. Position of the Society for Nutrition Education and Behavior: The Importance of Including Environmental Sustainability in Dietary Guidance. <i>J Nutr Educ Behav</i> . 2019 Jan;51(1):3-15.e1. doi: 10.1016/j.jneb.2018.07.006. PMID: 30635107; PMCID: PMC6326035.	Valentina Cucino, <i>Institute of Management, SSSA</i>



Wednesday 24 January				
9:00-10:30	Biodiversity: impacts, dependencies & performance measurement and tools	Lino Cinquini Andrea Tenucci <i>Institute of Management, SSSA</i>	Coalition, C., & Cambridge Conservation Initiative. (2020). Integrating biodiversity into natural capital assessments. Measuring and Valuing Guidance.	Giacomo Pigatto Niccolò Braico <i>Institute of Management, SSSA</i>
10:30-11:30	Guest speaker: Isabella Cristina, project manager of Fondazione Capellino		Laine, M., Tregidga, H., & Unerman, J. (2021). Sustainability accounting and accountability. Routledge	
11:30-12:00	Biodiversity in the financial sector: does it matter?		Arjaliès, D. L., & Gibassier, D. (2023). Can financialization save nature? The case of endangered species. Contemporary Accounting Research, 40(1), 488-525.	
12:00-13:00	Guest speaker: Rossella Iorio, Head of ESG Service Excellence at UniCredit		https://knowledge4policy.ec.europa.eu/biodiversity_en	
13:00-14:00	Lunch at the canteen			
14:00-17:00	Practical Laboratory Activity on Case Resolution (with support from the Fondazione Capellino)	Lino Cinquini Andrea Tenucci <i>Institute of Management, SSSA</i>	https://www.almonature.com/en/	Giacomo Pigatto Niccolò Braico <i>Institute of Management, SSSA</i> Isabella Cristina <i>Fondazione Capellino</i>
Thursday 25 January				
9:00-11:00	Functional Biodiversity and (Agro)Terrestrial Ecosystems.	Camilla Moonen, Center of Plant Sciences		Andrea Piccaluga, Valentina Cucino, <i>Institute of Management,</i>



11:00-13:00	Cultivating with Biodiversity	Stefano Carlesi, <i>Center of Plant Sciences</i>	Laboratory Activity	Camilla Moonen e Federico Leoni <i>Center of Plant Sciences</i> Andrea Piccaluga, Valentina Cucino, <i>Institute of Management,</i>
13:00-14:00	Lunch at the canteen			
14:00-14:30	Transfer to San Rossore			
14:15-17:30			Visit to San Rossore Park: www.parcosanrossore.org	Andrea Piccaluga, Valentina Cucino, <i>Institute of Management,</i>
17:30-18:00	Transfer to Sant'Anna			Andrea Piccaluga, Valentina Cucino, <i>Institute of Management.</i>
20:00			Pizzata "Pisan style" at Pizzeria Montino	Andrea Piccaluga, Valentina Cucino, <i>Institute of Management.</i>
Friday 26 January				
9:00-11:00	New Solutions for Biodiversity Conservation through Animal-Robot Interaction	Cesare Stefanini-Donato Romano		Andrea Piccaluga, Valentina Cucino, <i>Institute of Management</i>
11:00-13:00	Exam	Valentina Cucino		Andrea Piccaluga, Valentina Cucino, <i>Institute of Management</i>
13:00-14:00	Lunch at the canteen			



14:15-16:30	Soil microbial biodiversity determine ecosystem multifunctionality	Laura Ecoli, <i>Crop Science Research Center</i>	French, E., Kaplan, I., Iyer-Pascuzzi, A., Nakatsu, C. H., & Enders, L. (2021). Emerging strategies for precision microbiome management in diverse agroecosystems. <i>Nature plants</i> , 7(3), 256-267.	Andrea Piccaluga, Valentina Cucino, <i>Institute of Management</i>
16:30- 17:00	Conclusions and good bye	Andrea Piccaluga Valentina Cucino <i>Institute of Management</i>		Andrea Piccaluga, Valentina Cucino, <i>Institute of Management</i>