



VIU Summer School Critical Infrastructure Resilience



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Carlo Giupponi is Professor at the **Department of Economics of Ca' Foscari University of Venice** and **Dean of the Venice International University**. Before, he worked at faculties of agricultural sciences, serving as assistant professor at the University of Padova (1990-2002) and as associate professor at University of Milan "Statale" (2002-2007). His research activity focuses on sustainability science, valuation methods, the integrated assessment and management of natural resources, with main focus on water and agriculture, local to regional scales, and the interactions with global change drivers (climatic and socio-economic ones). The socio-ecosystems is the preferred analysis unit of human-nature spatial-temporal dynamics. Most activities are in Europe and the Mediterranean Basin, but also in Asia and elsewhere. His most appreciated skills are the capacity to work in multidisciplinary teams and to provide scientific competences in diverse research contexts, but also in applied studies and consultancies. The most relevant original methodological contributions are in the field of disciplinary integration, by developing methods and tools adopting participatory techniques, system dynamics and spatial analysis as means for integrated assessment and decision support. Recent and current responsibilities of European and national research projects are the fields of climate change adaptation, integrated natural hazards, vulnerability and risk assessment, water management, agri-environmental policy and water pollution. Recent collaborations and consultancies include institutions such as the Food and Agriculture Organisation, Intergovernmental Panel For Climate Change, World Bank, the World Wildlife Fund, the Euro-Mediterranean Centre for Climate Change (CMCC). Teaching activities are at graduate and undergraduate level on the following topics: Natural Resources Management and Climate Change; Economics of the Environment; Methods of Spatial Analysis; Adaptive

Management of Agro-ecosystems. He has co-authored around 300 scientific and professional papers, and developed several modelling and decision support frameworks and tools in the field of natural resources management, in particular NetSyMod and mDSS (<http://www.netsymod.eu/mdss/>).



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