

07--Carbon Taxes and Trade Spillovers Within Europe

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Carbon taxation has been suggested among the market based policies to tackle climate change since the early 90's, often associated to ecological tax reforms rationales. Before the advent of emission trading in the EU, some countries introduced forms of carbon taxation, which is still used to deal with non EU ETS sectors. Due to this historical evolution of environmental policies over the last decades, in presence of a 'federal system' that assigns to EU countries the governance of energy and fiscal issues, an heterogeneous set of country driven carbon/energy policy settings is present, which can determine effects on growth and trade. We investigate the possible existence of asymmetries among the European Carbon area countries reaction to the policy adoption responsible to combat climate change via carbon usage reduction.

Biographical note

Massimiliano Mazzanti is full Professor in Economic policy, University of Ferrara, at the Department of Economics & Management, where he is lecturer in Macroeconomics; Environmental economics and policy, Ecological Economics. He has directed the inter university centre SEEDS (www.sustainability-seeds.org) since the foundation in 2012. He coordinated the PhD programme in 'Economics and Management of Innovation and Sustainability', joint University of Ferrara and Parma programme, between 2012-2016.

He graduated at the University of Bologna then he continued the education with Msc in Environmental & Natural Resources Economics at the Department of Economics, UCL London, and PhD. in Economics at the University of Rome Tre. Main Research competences revolve around applied environmental economics and policy issues such as: sustainable development, environment and trade, climate change policies, environmental innovation, environmental policy design and assessment, environmental fiscal reforms, waste management and policy, economic valuation of the environment, beyond GDP - green accounting issues.

The publication record witnesses more than 70 papers in peer reviewed international journals, six books as co-editor published with Routledge and Springer, and many other contributions in books and reports. Regarding Journals, he has published extensively in high ranked journals such as Research Policy, Ecological Economics, Resource and Energy Economics, Environmental & Resource economics, Journal of Environmental Planning and management, Applied Economics. Many contributions have found space in inter and multi-disciplinary journals such as Environmental science and policy, Environmental sciences, Economics and Industrial Democracy, the Journal of environment and development. In 2014, the paper Cainelli G. Mazzanti M. Montresor S. (2012), Environmental Innovations, Internationalisation and local networks, Industry and Innovation 19(8), received the DRUID society 2014 award, with the motivation that the paper bridges the literatures on environmental innovation, spatially dependent collaboration patterns, and internationalization

He is Associate editor of the Journal of Environmental Planning & Management, *Economia Politica* Journal of Analytical and Institutional Economics, Italian Economic Journal. He has collaborated and published policy-oriented reports under research contracts with OECD, UNIDO, The World Bank. He has directed research units within EU projects in FP7 and H2020 programmes, in addition to the participation as leader of SEEDS unit to the existing WMGE ETC EEA.