

Global Value Chains As Channel Of Green Knowledge In EU Regions. A Two- Step GMM Analysis

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Climatic issues are in the top of EU agenda. A great deal of literature has been interested in evaluating the role of Global Value Chains green-knowledge in shaping the environmental conditions of countries.

In this work, we provide an analysis for EU nuts-2 regions, relying on an original on-built dataset of Air Pollution.

Our findings show that the integration in GVCs influences negatively the levels of air pollutants, as well as green technologies.

Analysing in-depth this mechanism, the national aware of environmental issues is able to shape the impact of both GVCs and green patents on environmental pollution. Indeed, in regions with a lack of awareness on environmental topics, we find that GVCs and green patents have a key role in abating the levels of air pollutants, differently from the specialisation in manufacture. Conversely, in regions with environmental awareness, GVCs still reduces the Air Pollutants, as well as the specialisation in manufacture.

This research sheds new light on the AP emissions at regional level, by analysing the role of GVCs and green technologies, and suggests some policies recommendation for EU regions.