

## **Does exist a real commitment to diminish GHG emissions by developed countries?: a study of USA and Germany, 1990-2011**

Topic: Environmental Applications

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The upward growth rates of Green House Gases (GHG) have generated the need of several agreements to reduce those emissions, especially considering their importance about climate change. Nevertheless, some developed countries do not have a real commitment in the diminishment of such emissions, due to the fact that they influence indirectly the GHG generation. This paper studies how developed countries generate emissions indirectly from importing goods which production is highly polluting and also providing high polluting inputs for development countries industrial processes. Using Multi-Regional Input-Output matrices and GHG vectors, we estimate matrices that show GHG induced by the foreign value added to export and balances of emissions between some regions of the world