

Analysis on CO2 emission with industrial activities between areas

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Abstrak

This article analyzed quantitatively international carbon flow as the economic globalization based on an input-output analysis with World Input-Output Database (WIOD). As the result of analysis, some findings showed as follow. Firstly, with regard to China, its CO2 total emission induced each area is larger than other six regions. Secondly, production-based emission tends to be larger than consumption-based one in China and the East Asia area, on the other hand, the production-based is larger than in the rest of areas. Thirdly, it turns out that the ratio to CO3 emission induced by a region itself emitted certain one. Fourthly, it was clear that CO2 emission in manufacturing the transport and equipment as such automobile likely larger than one in purchasing it in an East Asia region, while it is likely to the lower ratio to the production and the higher ratio to the consumption in the developing countries.