

## **Interregional Virtual Water Trading in Japan: the applied idea to identify the characteristics of Virtual Water Trading using the Input-Output Approach.**

Topic: Water input-output analysis

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The objective of this paper is to construct the methods and identify the characteristics of Japanese Virtual Water Trading, through applying various concepts and indicators derived from the input-output analysis. The interregional input-output table which is installed satellite water account is employed to identify the characteristics of the Interregional Virtual Water Trading of Japan. We not only calculate the moving amount of virtual water, but we also define the Regional Balance of Virtual Water and Virtual Water Regional Trade Specialization Index.

Finally, water dependency and water contribution of each region is calculated and summarized in the map. The information that is obtained provides a sound basis for possible improvements of the water resource problem within regional environmental policy.