

## **Water Use, Water Footprint and Virtual Water Trade: a time series analysis of worldwide water demand**

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This paper provides, for the first time, a time series analysis of water use, water footprint and virtual water trade of humanity. By using the World Input-Output Database (WIOD) and a multiregional input-output model, we quantify the water needs for production and consumption activities and the virtual water traded for 33 countries and the rest of the world. The time period considered is between 1995 and 2008. Results are disaggregated by sectors and consumption categories. In addition, the water trade balance by main partner countries are identified for all the regions considered.