

Building a Time Series of Environmental Accounts for a Word Database

Topic: Special WIOD-session 1: Environmental Aspects of International Trade 1

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The paper reports on the methodology and empirical effort of constructing the environmental satellite accounts for the World Input-Output Database (WIOD). These environmental extensions, expressed in physical units, were computed based on various information sources with priority to energy related data. The data comply with the usual conventions of the national accounting framework and complement the core of the WIOD database, which includes harmonized supply and use tables, bilateral trade matrices and inter-country input-output tables. The environmental satellite accounts cover 40 countries including the EU27 Member States as well as an additional 'rest of the world' region, over a time series from 1995 to 2009 and with a sectoral breakdown of 35 industries augmented by household activities. The environmental themes covered include the use of energy broken down by energy commodities, the emissions of major air pollutants, the extraction of main materials, the water use by type of water and the (agricultural) land use.