

Article

Income, Economic Structure and Trade: Impacts on Recent Water Use Trends in the European Union

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Supplementary Information

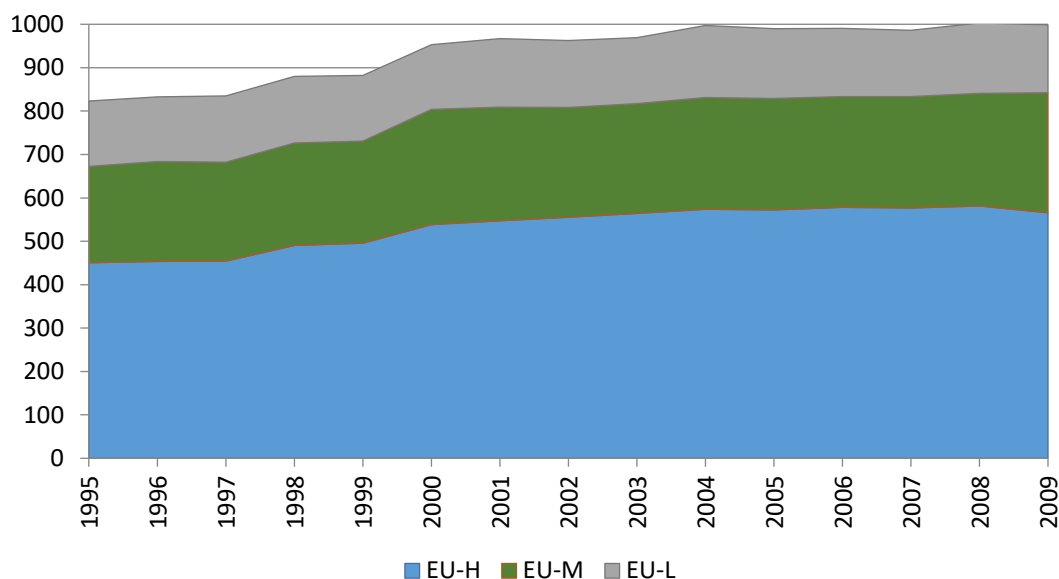


Figure S1. Water footprint trend in the EU27 (km³), 1995–2009. Source: own elaboration from WIOD data.

List of Countries

ISO3	Country Name	Classification
AUT	Austria	EU-H
BEL	Belgium	EU-H
DEU	Germany	EU-H
DNK	Denmark	EU-H
FIN	Finland	EU-H
FRA	France	EU-H
GBR	United Kingdom	EU-H
IRL	Ireland	EU-H
LUX	Luxembourg	EU-H
NLD	Netherlands	EU-H
SWE	Sweden	EU-H
CYP	Cyprus	EU-M
ESP	Spain	EU-M
GRC	Greece	EU-M
ITA	Italy	EU-M
MLT	Malta	EU-M
PRT	Portugal	EU-M

SVN	Slovenia	EU-M
BGR	Bulgaria	EU-L
CZE	Czech Republic	EU-L
EST	Estonia	EU-L
HUN	Hungary	EU-L
LTU	Lithuania	EU-L
LVA	Latvia	EU-L
POL	Poland	EU-L
ROM	Romania	EU-L
SVK	Slovakia	EU-L
AUS	Australia	Non-EU
BRA	Brazil	Non-EU
CAN	Canada	Non-EU
CHN	China	Non-EU
IDN	Indonesia	Non-EU
IND	India	Non-EU
JPN	Japan	Non-EU
KOR	Korea	Non-EU
MEX	Mexico	Non-EU
RUS	Russia	Non-EU
TUR	Turkey	Non-EU
TWN	Taiwan	Non-EU
USA	United States of America	Non-EU
ROW	Rest of the world	Non-EU

List of Sectors Included in WIOD Tables

Agriculture
 Mining and Quarrying
 Food, Beverages and Tobacco
 Textiles and Textile Products
 Leather, Leather and Footwear
 Wood and Products of Wood and Cork
 Pulp, Paper, Paper, Printing and Publishing
 Coke, Refined Petroleum and Nuclear Fuel
 Chemicals and Chemical Products
 Rubber and Plastics
 Other Non-Metallic Mineral
 Basic Metals and Fabricated Metal
 Machinery, Nec
 Electrical and Optical Equipment
 Transport Equipment
 Manufacturing, Nec; Recycling
 Electricity, Gas and Water Supply
 Construction
 Sale, Maintenance and Repair of Motor Vehicles and Motorcycles; Retail Sale of Fuel
 Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles
 Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Household Goods
 Hotels and Restaurants
 Inland Transport
 Water Transport
 Air Transport
 Other Supporting and Auxiliary Transport Activities; Activities of Travel Agencies

Post and Telecommunications
 Financial Intermediation
 Real Estate Activities
 Renting of M&Eq and Other Business Activities
 Public Admin and Defense; Compulsory Social Security
 Education
 Health and Social Work
 Other Community, Social and Personal Services
 Private Households with Employed Persons

Table S1. Water use changes at the country level, 1995–2009.

	Δ Water Use (hm ³)	Δ Domestic Water Use (hm ³)	Δ VWM from EU-H (hm ³)	Δ VWM from EU-L (hm ³)	Δ VWM from EU-M (hm ³)	Δ VWM from Non-EU (hm ³)
High income EU27 countries						
Austria	1761	-1307	536	883	113	1536
Belgium	13,108	-692	264	690	332	12,513
Germany	19,301	-2214	322	2305	1238	17,649
Denmark	1219	307	117	404	67	323
Finland	4126	872	223	701	112	2219
France	22,701	2869	199	1458	2384	15,789
Great Britain	34,922	936	1150	1359	1193	30,284
Ireland	4484	63	460	221	108	3632
Luxembourg	180	-25	114	44	19	28
Netherlands	11,088	-237	504	985	-234	10,069
Sweden	2317	-1397	425	153	218	2917
Low income EU27 countries						
Bulgaria	-6356	-7525	113	271	28	757
Czech Republic	2312	-595	419	405	243	1841
Estonia	1410	543	41	225	29	571
Hungary	-1960	-2828	301	458	80	29
Lithuania	3999	2370	151	580	114	784
Latvia	3042	1408	94	1001	52	488
Poland	4262	-4850	948	553	795	6815
Romania	-3008	-8150	379	2197	195	2371
Slovak Republic	2353	-807	117	453	72	2518
Middle income EU27 countries						
Cyprus	429	-217	34	166	74	372
Spain	40,420	18,216	1197	2687	538	17,782
Greece	4243	-1916	239	1956	294	3670
Italy	9725	-2672	482	1495	1363	9056
Malta	128	-18	17	20	37	72
Portugal	-1558	-3488	191	424	1582	-267
Slovenia	1012	13	136	-5	58	811
TOTAL EU27	175,660	-11,341	9173	22,091	11,106	144,631

Source: own elaboration from WIOD data.

Table S2. SDA of water use changes at the country level, 1995–2009.

	Δ Water Use (hm ³)	Intensity Effect (%)	Technology Effect (%)	Scale Effect (%)
High income EU27 countries				
Austria	1761	-487.8	296.2	291.5
Belgium	13,108	-34.1	31.4	102.7
Germany	19,301	-116.1	68.0	148.1
Denmark	1219	-133.2	71.3	161.9
Finland	4126	-34.7	25.6	109.1
France	22,701	-105.4	20.5	184.9
Great Britain	34,922	-34.9	10.6	124.3
Ireland	4484	-27.1	12.9	114.1
Luxembourg	180	-145.0	129.4	115.7
Netherlands	11,088	-55.3	60.4	94.9
Sweden	2317	-177.2	22.6	254.7
Low income EU27 countries				
Bulgaria	-6356	47.1	3.2	49.8
Czech Republic	2312	-75.8	-50.4	226.1
Estonia	1410	6.5	5.1	88.4
Hungary	-1960	309.3	-36.1	-173.3
Lithuania	3999	27.8	-48.5	120.7
Latvia	3042	38.5	-3.3	64.9
Poland	4262	-192.8	-312.6	605.4
Romania	-3008	288.3	326.9	-515.1
Slovak Republic	2353	-83.7	-62.9	246.6
Middle income EU27 countries				
Cyprus	429	-89.7	41.4	148.3
Spain	40,420	2.5	12.7	84.8
Greece	4243	-78.2	-113.2	291.4
Italy	9725	-140.3	4.8	235.5
Malta	128	-78.7	39.4	139.3
Portugal	-1558	397.4	-133.8	-163.6
Slovenia	1012	-38.4	10.1	128.3
TOTAL EU27	175,660	-77.8	9.5	168.3

Source: own elaboration from WIOD data.



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