

**The UNECE “water abstraction (C2) and “water use (C3)” templates**

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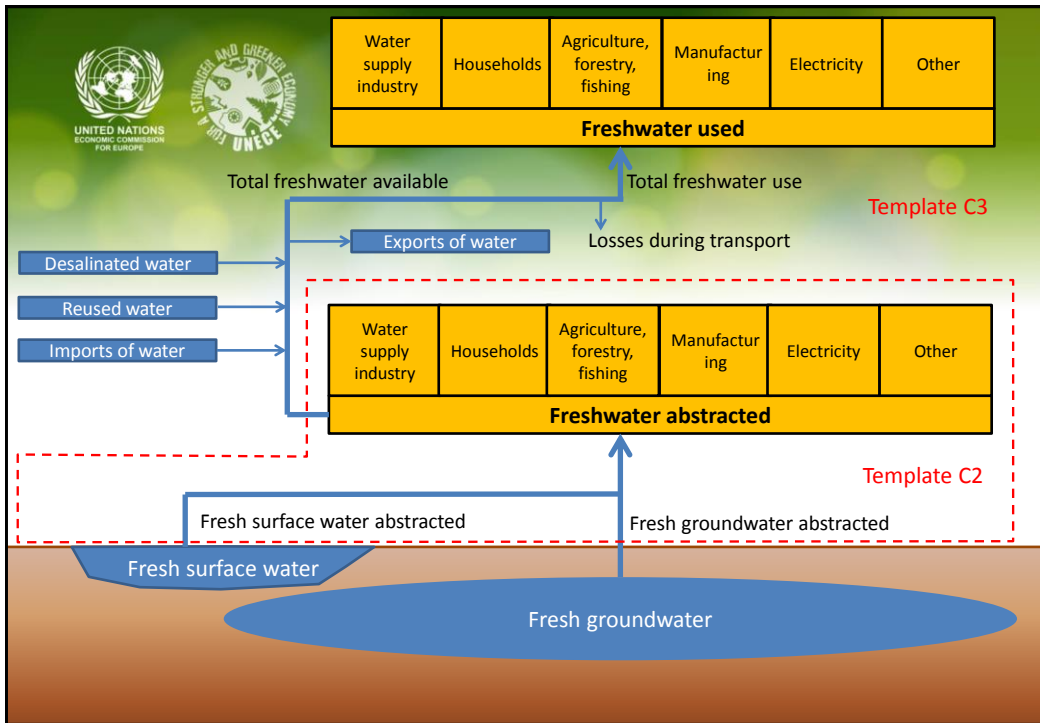
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### **SDG Goal 6. Ensure availability and sustainable management of water and sanitation for all. For which ones is water statistics needed?**




- ✓ • Indicator 6.1.1: Proportion of population using safely managed drinking water services
- ✓ • Indicator 6.2.1: Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
- ✓ • Indicator 6.3.1: Proportion of wastewater safely treated
- ✓ • Indicator 6.4.2: Level of water stress: freshwater withdrawal as a proportion of available freshwater resources
- Indicator 6.5.1: Degree of integrated water resources management implementation (0-100)
- Indicator 6.5.2: Proportion of transboundary basin area with an operational arrangement for water cooperation
- Indicator 6.a.1: Amount of water- and sanitation-related official development assistance that is part of a government-coordinated spending plan
- Indicator 6.b.1: Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management

Indicator	Description	Production	Glossary of terms
<b>C. Water</b>			
C1. Renewable freshwater resources (updated October 2014)	PDF  XLS	PDF	PDF
C2. Freshwater abstraction (updated October 2014)	PDF  XLS	XLS	PDF
C3. Total water use (updated October 2014)	PDF  XLS	XLS	PDF
C4. Household water use per capita (updated October 2014)	PDF  XLS	XLS	PDF
C5. Water supply industry and population connected to water supply industry (updated October 2014)	PDF  XLS	XLS	PDF
C6. Connection of population to public water supply		Integrated into C5	
C7. Water losses (updated October 2014)	PDF  XLS	XLS	PDF
C8. Reuse of freshwater (updated October 2014)	PDF  XLS	XLS	PDF
C9. Drinking water quality (updated October 2014)	PDF  XLS	XLS	PDF
C10. BOD and concentration of ammonium in rivers (updated October 2014)	PDF  XLS	XLS	PDF
C11. Nutrients in freshwater (updated October 2014)	PDF  XLS	XLS	PDF
C12. Nutrients in coastal seawaters (updated October 2014)	PDF  XLS	XLS	PDF
C13. Concentrations of pollutants in coastal seawater and sediments (except nutrients) (updated October 2014)	PDF  XLS	XLS	PDF
C14. Population connected to wastewater treatment (updated October 2014)	PDF  XLS	XLS	PDF
C15. Wastewater treatment facilities (updated October 2014)	PDF  XLS	XLS	PDF
C16. Polluted (non-treated) wastewaters (updated October 2014)	PDF  XLS	XLS	PDF



		Unit	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
																		
<b>C-2 Freshwater abstraction</b>																		
Time series data on the indicators for 1990-2013, Table C-2 Freshwater abstraction: (country name)																		
<b>Surface and groundwater abstracted</b>																		
1	Fresh surface water abstracted	million m <sup>3</sup>																
2	Fresh groundwater abstracted	million m <sup>3</sup>																
3	<b>Freshwater abstracted</b>																	
4	<b>Freshwater abstracted (Row 1 + row 2)</b>	million m <sup>3</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
5	<i>of which abstracted by</i>																	
6	Water supply industry (ISIC 36)	million m <sup>3</sup>																
7	Households	million m <sup>3</sup>																
8	Agriculture, forestry and fishing (ISIC 01-03)	million m <sup>3</sup>																
9	Manufacturing (ISIC 10-33)	million m <sup>3</sup>																
10	Electricity industry (ISIC 351)	million m <sup>3</sup>																
11	Other economic activities	million m <sup>3</sup>																
12	<b>Water exploitation index (WEI)</b>																	
13	Renewable freshwater resources (=Table C-1, row 5)	million m <sup>3</sup>																
14	<b>Water exploitation index (Row 4 / row 13)</b>	%	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

		Unit	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
																		
<b>C-3 Total water use</b>																		
Time series data on the indicators for 1990-2013, Table C-3 Total water use: (country name)																		
<b>Freshwater available</b>																		
1	Freshwater abstracted (= Table C-2, row 4)	million m <sup>3</sup>																
2	Desalinated water	million m <sup>3</sup>																
3	Reused water	million m <sup>3</sup>																
4	Imports of water	million m <sup>3</sup>																
5	Exports of water	million m <sup>3</sup>																
6	<b>Total freshwater available (Rows 1 + 2 + 3 + 4 - row 5)</b>	million m <sup>3</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
7	<b>Freshwater use</b>																	
8	Losses of water during transport	million m <sup>3</sup>																
9	<b>Total freshwater use (Row 6 - row 8)</b>	million m <sup>3</sup>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
10	<i>of which used by</i>																	
11	Households	million m <sup>3</sup>																
12	Agriculture, forestry and fishing (ISIC 01-03)	million m <sup>3</sup>																
13	<i>of which (of row 12) used for:</i>	million m <sup>3</sup>																
14	Irrigation in agriculture	million m <sup>3</sup>																
15	Manufacturing (ISIC 10-33)	million m <sup>3</sup>																
16	Electricity industry (ISIC 351)	million m <sup>3</sup>																
17	Other economic activities	million m <sup>3</sup>																
18	<b>Freshwater use per GDP</b>																	
18	GDP at PPP at constant prices (2005)	billion international dollars																
19	<b>Total freshwater use per unit of GDP (Row 9 / row 18)</b>	m <sup>3</sup> / 1000 international dollars	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a



## Important Classifications, Definitions and Conventions

- **Industry classification:** ISIC 4.0
- **Groundwater abstracted:** Includes water from springs
- **Surface water abstracted:** Includes bank filtration and rainwater collection
- **Water used by the electricity industry:** Excludes water used for hydropower



## Important Classifications, Definitions and Conventions

- **Water import and export:**
  - Excludes bottled water
  - Bulk water accross national boundaries: Ship, truck, container, pipeline
- **Reused water:**
  - Wastewater (treated or untreated) supplied to another user
  - Excludes recycled water within the same establishment
  - Excludes wastewater which has been returned to the environment and is abstracted downstreams

## Correspondence between UNSD/UNEP Water Questionnaire and UNECE Water Templates



Conceptually exactly the same, differences are in the format of templates and the level of details

UNSD/UNEP Water Questionnaire	UNECE Water Templates (Shared Environmental Information System)
W1 – Renewable Freshwater Resources	C1 – Renewable Freshwater Resources
W2 – Freshwater Abstraction and Use	C2 – Freshwater Abstraction C3 – Freshwater use C8 - Reuse of water
W3 – Water Supply Industry	C5 - Water supply industry and population connected to water supply industry C7 - Water losses
W4 – Wastewater Generation and Treatment	C15 - Wastewater treatment facilities C16 - Polluted (non-treated) wastewaters
W5 – Population connected to Wastewater Treatment	C14 - Population connected to wastewater treatment

Thank you for your attention!

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