



**UNECE**

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

Michael Nagy (UNECE)

National Workshop on Shared Environmental Information Systems (SEIS) and Environmental Statistics for the Sustainable Development Goals (SDGs)

(Dushanbe, Republic of Tajikistan, 16-18 October 2017)

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

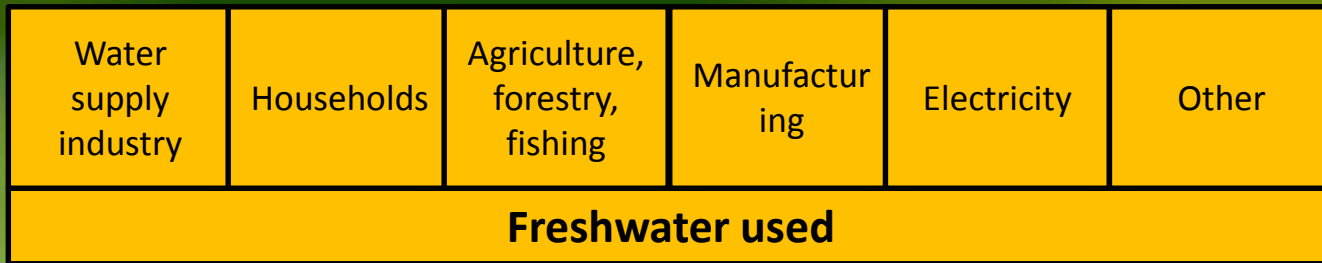


- ✓ • Indicator 6.1.1: Proportion of population using safely managed drinking water services
- ✓ • Indicator 6.2.1: Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
- ✓ • Indicator 6.3.1: Proportion of wastewater safely treated
- ✓ • 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
C. Water			
C1. Renewable freshwater resources (updated October 2014)	PDF	XLS	PDF
C2. Freshwater abstraction (updated October 2014)	PDF	XLS	PDF
C3. Total water use (updated October 2014)	PDF	XLS	PDF
C4. Household water use per capita (updated October 2014)	PDF	XLS	PDF
C5. Water supply industry and population connected to water supply industry (updated October 2014)	PDF	XLS	PDF
C6. Connection of population to public water supply	Integrated into C5		
C7. Water losses (updated October 2014)	PDF	XLS	PDF
C8. Reuse of freshwater (updated October 2014)	PDF	XLS	PDF
C9. Drinking water quality (updated October 2014)	PDF	XLS	PDF
C10. BOD and concentration of ammonium in rivers (updated October 2014)	PDF	XLS	PDF
C11. Nutrients in freshwater (updated October 2014)	PDF	XLS	PDF
C12. Nutrients in coastal seawaters (updated October 2014)	PDF	XLS	PDF
C13. Concentrations of pollutants in coastal seawater and sediments (except nutrients) (updated October 2014)	PDF	XLS	PDF
C14. Population connected to wastewater treatment (updated October 2014)	PDF	XLS	PDF
C15. Wastewater treatment facilities (updated October 2014)	PDF	XLS	PDF
C16. Polluted (non-treated) wastewaters (updated October 2014)	PDF	XLS	PDF

Priority for production and sharing

Priority for production and sharing



Total freshwater available

Total freshwater use

Template C3

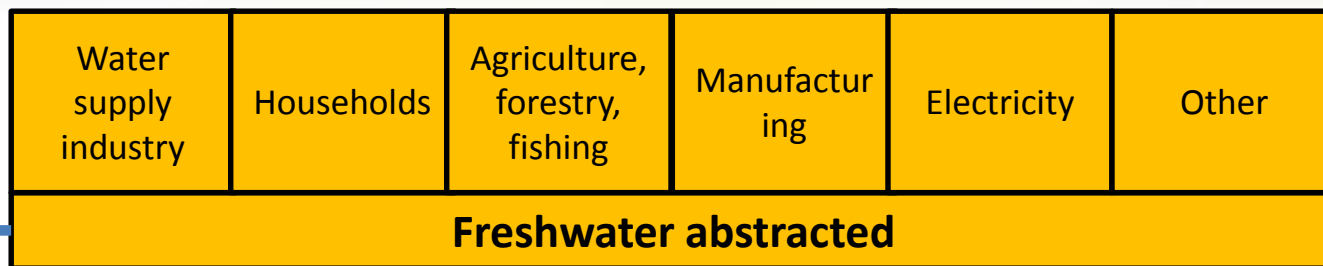
Exports of water

Losses during transport

Desalinated water

Reused water

Imports of water



Freshwater abstracted

Template C2

Fresh surface water abstracted

Fresh groundwater abstracted

Fresh surface water

Fresh groundwater

[illegible]



Time series data on the indicators for 1990-2013, Table C-3 Total water use: (country name)

[illegible]

# 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!**

**[michael.nagy@unece.org](mailto:michael.nagy@unece.org)**

