

RESILIENCE IN ACTION: HOW WATER AND SANITATION UTILITIES COPE WITH DROUGHT

MAY 15, 2024

**3:30 PM - 5:00 PM
PHILIPPINE STANDARD TIME**

**9:30 AM - 11:00 AM
CENTRAL EUROPEAN SUMMER
TIME**

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Naeeda Crishna Morgado

**Senior Infrastructure Specialist
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- ADB will provide an overview of the climate outlook for Asia and its potential impacts on the water and sanitation sector, particularly focusing on drought.



Tanguy Robert

**Hydrogeologist
VIVAQUA
Brussels, Belgium**

- In recent years, VIVAQUA has been confronted with increasingly frequent droughts, floods, and heat waves. These events, which have an impact on water production and/or demand, have been analyzed through the Water Quantity Plan.
- VIVAQUA will explain the consequences of extreme climatic events, outline viable solutions to anticipate related problems, and present one of its projects currently underway.



Elisa Brussolo, PhD.

**Researcher
Società Metropolitana Acque Torino S.p.A. (SMAT)
Turin, Italy**

- The Piedmont region in north-western Italy sits between the Alps and the Mediterranean, known as climate hotspots with strong climate change effects. Recent droughts in 2017, 2021, and 2022 affected areas unaccustomed to such crises, impacting water users and activities. There is a pressing need for better drought monitoring, forecasting, and assessment to enhance preparedness and management practices.
- In this presentation, SMAT studied the events causing drinking water supply issues in Turin and analyzed meteorological data and drought indexes to find critical thresholds and parameters. SMAT also proposed a combined index to create an alert system for water utilities, stakeholders, and mayors, giving them advance notice.