

Increasing resilience to climate change

Programme area 7

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Working Group on Water and Health
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Protocol on Water and Health



Outline

1. Objectives and expected outcomes
2. Main achievements since 2017
3. Plans for future work in this area
4. Possible partners

Objectives and expected outcomes in 2017-2019

Lead Party and country: Italy and Spain

- *Strengthening resilience of communities to water-related disasters and other effects induced by climate change*
- *Building awareness, evidence and capacities in addressing the issues of **extreme weather events**, **water scarcity** and **wastewater reuse** in agriculture in the broader water resource management context*

Main achievements since 2017

Contributions and Coorganizations

- ✓ Pan-European Symposium on Water and Sanitation Safety Planning and Extreme Weather Events
(April 2017 - Bilthoven, the Netherlands)
- ✓ International Workshop on Water Scarcity Taking action in transboundary basins and reducing health impacts
(December 2017 - Geneva, Switzerland)
- ✓ First Scientific Symposium “Health and Climate Change”
(December 2018 – Rome, Italy)
- ✓ Workshop on sanitation in the pan-European region
(February 2019 – Bonn, Germany)

Main achievements since 2017

Coorganization

International Workshop on Water Scarcity Taking action in transboundary basins and reducing health impacts

(December 2017 - Geneva, Switzerland)

organized under the leadership of the Governments of Italy, the Netherlands, Spain and Switzerland, with the support of the Water Convention secretariat and its Protocol on Water and Health, serviced by UNECE and WHO-Europe

- Clarify the difference and linkages between water scarcity and droughts; review the **challenges related to scarcity and climate change**: health, social, economic and environmental impacts of scarcity, current situation and future scenarios, relevant international commitments
- Discuss how to address water scarcity in legal, institutional and policy frameworks for cooperation in transboundary basins

Main achievements since 2017

WATER, SANITATION AND CLIMATE CHANGE

L. Lucentini and Oliver Schmoll

The Protocol on Water and Health tools to increase resilience to climate change and water-related disasters

N. Nikiforova

Water and sanitation in extreme weather events. Environment and health risks and vulnerabilities

L. Sinisi

Water safety planning for climate resilience

R. Moses McKeown

FIRST SCIENTIFIC SYMPOSIUM

Health and Climate Change

Istituto Superiore di Sanità
Italian National Institute of Health

Rome | December 3-5 | 2018

Green event

Main achievements since 2017

Participation to the
Workshop on sanitation in the pan-European region
(February 2019 – Bonn)

Contribution:

Wastewater reuse: Address the water reuse agenda and share country experiences, given its growing relevance in the pan-European context

Pioneering experience of water reuse and sanitation safety plans in Italy (*Laura Achene, National Institute of Health, Italy*)

Plans for future work in this area

Lead Party and country: Italy and Netherlands (tbc)

Building capacity to increase resilience to climate change

- * Regional workshop on building climate resilience of drinking water supply and sanitation services, including preparing for and responding to extreme weather events;
- * Workshop on climate change adaptation, in cooperation with the Water Convention;
- * Support water and wastewater operators in strategic planning for ensuring climate resilience, including through supporting the Climate Risk Informed Decision Analysis (CRIDA) methodology

Exchanging experience on building resilience to climate change in urban areas

- * Regional workshop on increasing the resilience of water supply and sanitation systems to climate change impacts in urban areas (building on the recommendations of the *Guidance on Water Supply and Sanitation in Extreme Weather Events*)

Plans for future work in this area

Lead Party and country: Italy and Netherlands (tbc)

Building capacity to increase resilience to climate change

Activities will substantiate in accordance with article 6 of the Protocol and in cooperation with programme area:

1 - on target setting

4 - on small-scale water supplies and sanitation

5 - on safe and efficient management of water supply and sanitation systems

Work will be undertaken to organize a regional workshop build on the recommendations of the *Guidance on Water Supply and Sanitation in Extreme Weather Events* aimed at assisting Parties and other States to increase the resilience of water supply and sanitation systems to climate change impacts in urban areas.

Guidelines on Droughts (2020) ?

Linkages to the 2030 Agenda



This programme area aligns with and supports the implementation of the following Sustainable Development Goal targets:

- * **6.3** to increase recycling and safe reuse of wastewater
- * **6.4** to increase water-use efficiency, ensure sustainable withdrawals and supply of freshwater to address water scarcity
- * **11.5** to reduce the number of deaths and the number of people affected and decreasing the direct economic losses caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations
- * **13** to combat climate change and its impacts

It will also help to implement the Sendai Framework for Disaster Risk Reduction and the Paris Agreement

Possible partners

- * Alliance for Global Water Adaptation
- * International Water Association
- * National, subregional and regional non-governmental organizations working on climate resilience
- * OECD
- * UN-Habitat
- * United Nations International Strategy for Disaster Risk Reduction
- * WHO headquarters
- * World Meteorological Organization.

Thank You

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