



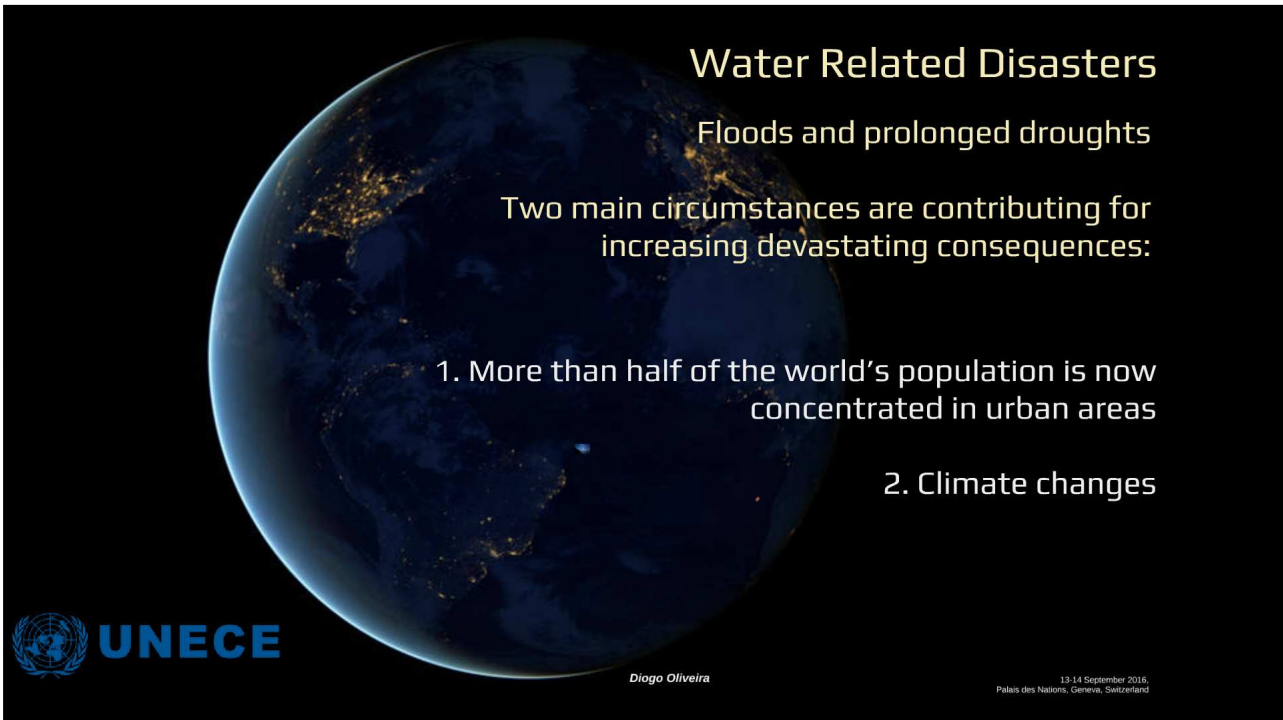
UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Financing climate change adaptation in transboundary basins
SIXTH WORKSHOP ON ADAPTATION TO CLIMATE CHANGE IN
TRANSBOUNDARY BASINS

International Standards for Water Management

 **UNECE**

Diogo Oliveira 13-14 September 2016,
Palais des Nations, Geneva, Switzerland




Water Related Disasters

Floods and prolonged droughts

Two main circumstances are contributing for increasing devastating consequences:

1. More than half of the world's population is now concentrated in urban areas
2. Climate changes

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Objective

To present the "Project Proposal" for the UNECE Standards for Water Management

- Project purpose
- Project scope
- Project deliverables

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Project purpose

To develop a standard for water management and preparedness to water-related disasters, through:

- monitoring tools,
- improving mobility,
- infrastructures that diminish flood impact,
- water reservoirs,
- protect rivers and underground water and
- provide fresh drinkable water for all.

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Project scope

Building priority participation through

- Identifying and prioritizing practice models
- Identifying innovative and best practice to foster innovation and climate-resilient water
- Reliability and payment schemes

Integrating water-related

- Policy coherence across the water, energy, and land use sectors
- Planning and coordinating infrastructure
- Water and land use planning, and climate and disaster risk management
- Water resource management in areas of water scarcity and high dependence on climate

FOCUS on

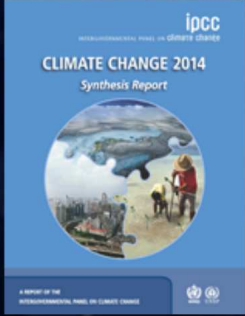
- Guiding practices and technologies
- Protecting underground water and heat salt or polluted water
- Guidance from the Sustainable Development Goals on water

FOCUS on

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UN Intergovernmental Panel on Climate Change:


- "Increasing global population that will experience water scarcity and be affected by major river floods";
- "Climate change is projected to increase displacement of people."
- "Climate change impacts are projected to make poverty reduction more difficult"

- **Deficient urban planning and severe weather conditions are contributing to higher adverse consequences**
- **These events are contributing to sudden migration movements**
- **These events may delay UN objectives concerning Sustainability Development Goals**

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FOCUS ON:

- Existing procedures and technologies
- Storing water from river floods and use it in dry seasons

- Protecting underground water and treat salt or polluted water
- Guidance tools that could contribute to the achievement of the Sustainability Development Goals on water.

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Mitigate water-related disasters:

- Allowing Governments to study, plan and prepare their countries to water-related disasters


- Planing and constructing infrastructures
- Prevention and response measures, and contingency plans to assure drinkable water in case of such disasters.
- Policy framework between neighbor countries that shares international rivers and hydrological basins;

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Enabling private participation through:

- Identifying private benefits in participating in this kind of partnership
- Identifying existing best practice models
- Identifying international funds available to finance (alongside with private investment) such infrastructures
- Affordability and payment schemes


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Deliverables

- **A report on mitigation solutions:**
 - I. Water management;
 - II. Preparedness **before** a potential extreme event;
 - III. Reacting **during** the extreme event;
 - IV. Recovering **after** the extreme event.
- **A Standard on PPPs in water management:**

The Standard will set out best practice recommendations

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Conclusions

1. The purpose of the project is to develop a standard for water management and preparedness to water-related disasters



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2. Project scope is to identify the main practices to mitigate severe floods and droughts with focus on:

- Allowing Governments to study, plan and prepare their countries to water-related disasters
- Enabling private participation



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3. Project deliverables are:

- A report of best practices:
 - Water management
 - Flood control
- A Standard on PPPs in water management



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"Water is the driving force of all nature"

Leonardo da Vinci



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