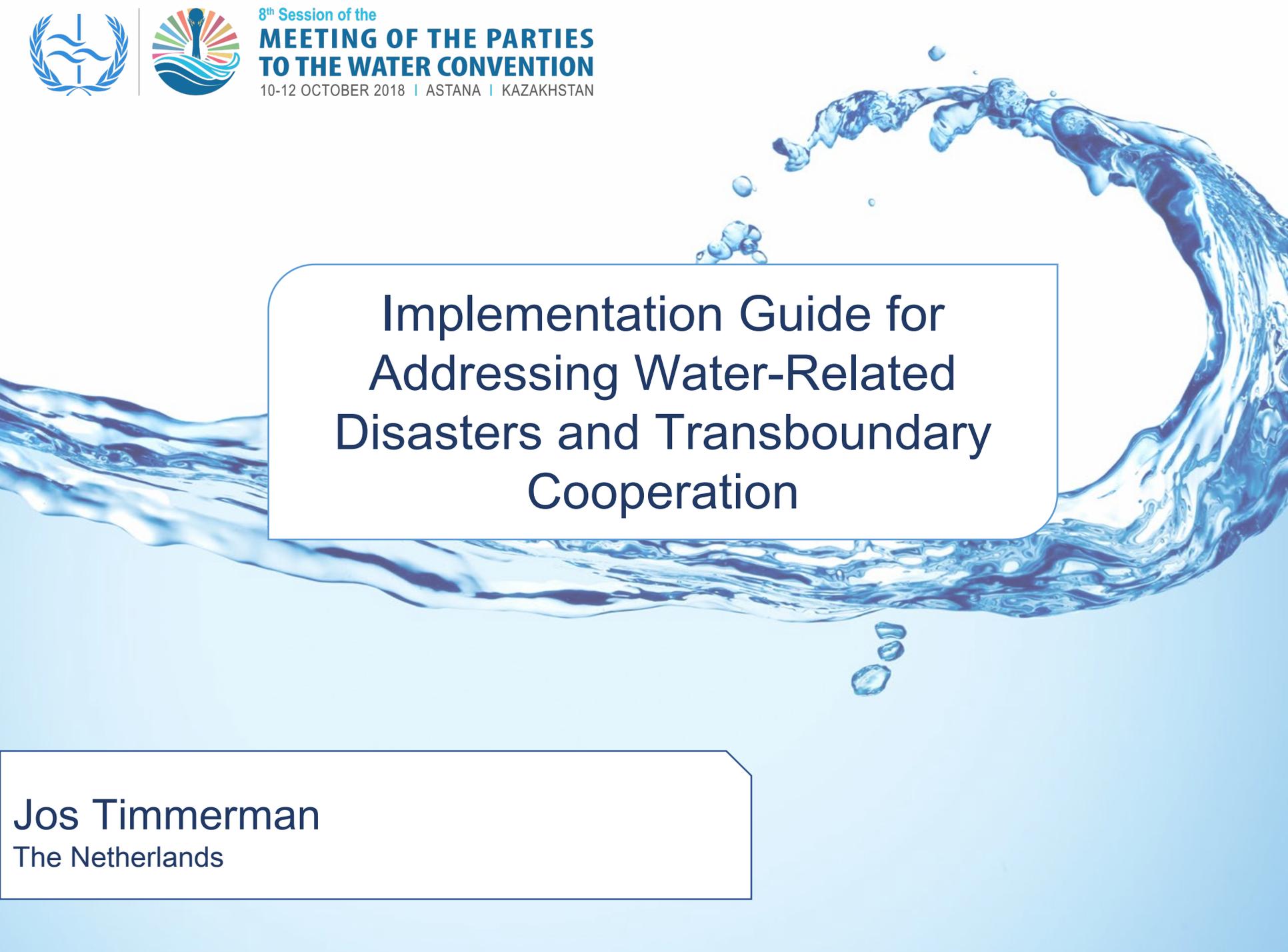




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A dynamic splash of clear blue water is the central background element, with droplets and bubbles captured in mid-air, creating a sense of movement and freshness.

Implementation Guide for Addressing Water-Related Disasters and Transboundary Cooperation

Jos Timmerman
The Netherlands

Words into Action

Implementation Guide for Addressing Water-Related Disasters and Transboundary Cooperation

*Integrating disaster risk management with
water management and climate change
adaptation*

**Words into Action
Implementation Guide for
Addressing Water-Related Disasters
and Transboundary Cooperation**

Integrating disaster risk management with water management and climate change adaptation



In support of the Sendai Framework
for Disaster Risk Reduction 2015-2030



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Aims and scope

- Support to the implementation of the Sendai framework in (transboundary) basins
 - Ensure that IWRM issues are considered at all levels including the international level
 - Ensure that the role of water and basins is taken into account
- Taking into account various international commitments including the Paris Agreement and the Sustainable Development Goals (SDGs)



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Target audience

- Practitioners in DRR and water management
 - water managers and institutions responsible for water management
 - authorities and institutions responsible for DRR, at local, regional, national and international level
- Also relevant for, but not specifically target water users, a.o. from the industry, agriculture and energy sectors
- The guide will also be brought to the attention of the humanitarian sector and development aid.



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Typical steps

Defining goals and scope



Analysing context



Defining stakeholders, roles
and responsibilities



Assessing disaster risks



Developing and prioritizing
measures



Implementing measures



Monitoring and evaluating

Transboundary cooperation elements

Joint goals and agreed scope at basin level,
role of basin organization

Relevant international commitments.
Flexible transboundary agreements

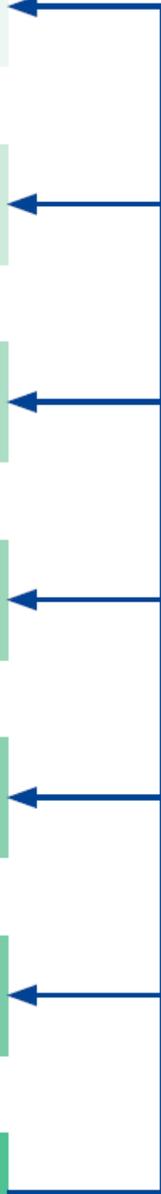
Involve and link to all relevant basin stakeholders

Sharing of data. Basin-wide joint modelling and vulnerability
assessments. Common information and early-warning systems

Agreement of priority measures of transboundary relevance.
Development of basin-wide strategy.

Sharing benefits and costs

Joint (or coordinated) monitoring and evaluation



Contents

- 1 Key messages
- 2 Introduction
- 3 International commitments and legal framework
- 4 Main principles and approaches
- 5 Responsibilities and stakeholders
- 6 Understanding the risks and hazards
- 7 Develop strategies to reduce risk
- 8 Implementation
- 9 Monitoring and evaluation
- 10 Glossary
- 11 References



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Key messages for disaster risk management

- Water management can limit or enhance the risk of disaster in water-related sectors
- Transboundary cooperation is both necessary and beneficial
- Need for joint bodies and/or regional organizations
- Integrated Water Resources Management (IWRM) is imperative
- Disaster risk management measures need to be flexible
- Data and information are crucial
- Uncertainty should never be a reason for inaction
- Need for coordination across all governance levels
- Need for a cross-sectoral approach
- Degrading ecosystems are often a contributing factor to the development of hazards



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