



Workshop on Transboundary Water Allocation, WEFE Nexus and Development of Agreements and other Arrangements

Supporting exchanges of lessons learned, good practices & practical tools

AGENDA

15-16 April 2024 | Livingstone | Zambia

Day 1 - Monday, 15 April 2024 (9.00 – 18.00)

08.00 – 08.45 Registration

Opening session

8:45 – 9.30	<p>Moderator: Mr. Ngosa Howard Mpamba, Assistant Director: Transboundary Water, Ministry of Water Development and Sanitation, Zambia</p> <p>National Anthem</p> <p>Opening remarks by:</p> <ul style="list-style-type: none"> - Mr. James Wakiaga, United Nations Development Programme Resident Representative for Zambia (5 min) - Mr. Antti Rautavaara, Special Envoy for Water, Ministry of Foreign Affairs, Finland, Co-Lead Party (5 min) - H.E. Hon. Mr. Mike Mposha MP, Minister of Water Development & Sanitation, Zambia (5 min)
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	<p>Keynote: Transboundary cooperation in Africa and value add of global water conventions for addressing pressing water challenges (8 min)</p> <ul style="list-style-type: none"> - Mr Frank Rutabingwa, UNECA, Technology, Climate Change & Natural Resource Management Division <p>Setting the Context: Introduction to the aims, group work exercise and the programme of the workshop (8 min)</p> <ul style="list-style-type: none"> - Mr Remy Kinna, Legal Officer, Water Convention Secretariat, UNECE
<p>Session 1: TRANSBOUNDARY WATER ALLOCATION – CURRENT STATUS & FUTURE CHALLENGES IN SOUTHERN AFRICA</p>	
<p>9.30 – 10.45</p>	<p>The session will discuss the main drivers of water management challenges today and in the future—particularly the need to respond to increased and competing demands for water and water-related services—and the resulting pressures on available water resources. Presentations will look at how allocation approaches and frameworks can seek to address these challenges of water availability, variability and uncertainty, focusing particularly on transboundary interventions in Southern Africa. Presentations will also discuss rationale and methods for balancing various water uses and needs when planning and implementing transboundary water allocation and potential reallocation are then proposed, including balancing historical, current and future uses.</p> <p>ACCOMPANYING RESOURCES:</p> <p><i>Handbook On Water Allocation In A Transboundary Context</i></p> <ul style="list-style-type: none"> • <i>Chapter II: Definitions, Objectives And Components Of Transboundary Water Allocation</i> • <i>Chapter III: Issues Water Allocation Can Address</i> <p>Moderator: Mr Kudakwashe Kairasora, Principal Hydrologist, Ministry of Lands, Agriculture, Fisheries, Water and Rural Development, Zimbabwe</p> <ol style="list-style-type: none"> 1. Grounding and intro by the moderator, with some general interactive questions (5 min) 2. Content (40 min) <ul style="list-style-type: none"> - Case Study 1: INMACOM re Allocation modelling for the revised Incomaputo-Agreement Mr Edward Mswane, Interim Executive Secretary, Incomati and Maputo Watercourse Commission (INMACOM) - Case Study 2: ORASECOM re Lesotho-Botswana Water Transfer Mr Thabo Hloele, Project Coordinator: Lesotho-Botswana Water Transfer, Orange-Senqu River Commission (ORASECOM) - Case Study 3: Process and status of OKACOM draft water allocation policy Mr Phera Ramoeli, Executive Secretary, Permanent Okavango River Commission (OKACOM)

	<ul style="list-style-type: none"> - Case Study 4: E-flows knowledge base & capacity-building via stakeholder engagement in the Pungwe, Buzi and Save River Basins Ms Loreen Katiyo, Transboundary Water Governance & Environmental Specialist, GWP Southern Africa - Case Study 5: Zambia’s Water Allocation Context Mr Happiness Malawo, Manager – Zambezi Catchment, Water Resources Management Authority (WARMA) <p>3. Responding regional expert – Mr Jonathan Lautze, Research Group Leader - Integrated Basin and Aquifer Management, IWMI (5 min)</p> <p>4. Q&A with the panelists (20 min)</p> <p>5. Harvesting key lessons learned, main challenges, good practices (5 min)</p>
10.35 – 10.45	Group Photo
10.45 – 11.00	Coffee break
Session 2: TRANSBOUNDARY WATER ALLOCATION – CURRENT STATUS & FUTURE CHALLENGES IN RELATABLE CONTEXTS	
11:00 – 12:15	<p>This session will showcase experiences of transboundary water allocation from other regions, particularly those with similar water scarce contexts including Central Asia and Southern Europe. Presenters will discuss cross-cutting objectives of IWRM and their related legal principles, to be considered when initially developing transboundary water allocation processes and outcomes. Core principles of international water law, both substantive and procedural, which should guide transboundary allocation of surface and groundwater resources, are then examined, with particular attention given to provisions of the Water Convention and Watercourses Convention. Additional principles of international law that are applicable to water allocation are then described. Finally, emerging legal principles relevant to water allocation in a transboundary context are outlined.</p> <p>ACCOMPANYING RESOURCES: Handbook On Water Allocation In A Transboundary Context</p> <ul style="list-style-type: none"> • <i>Chapter V: Objectives Of Water Management And Related Principles Of International Law To Guide Transboundary Water Allocation</i> • <i>Chapter VII: Cooperative Frameworks For Transboundary Water Allocation</i> • <i>Chapter VII: Knowledge Base For Transboundary Water Allocation</i> • <i>Chapter VIII: Operationalizing Transboundary Water Allocation: Processes, Mechanisms And Examples</i> <p>Moderator: Ms Maria Amakali, Director: Directorate of Water Resource Management, Ministry of Agriculture, Water and Land Reform, Namibia</p> <p>1. Grounding and intro by the moderator, with some general interactive questions (10 min)</p> <ul style="list-style-type: none"> - International experience and key lessons learned regarding transboundary water allocation – the Water Convention’s Handbook. Mr Remy Kinna, Water Convention Secretariat

	<p>2. Content (40 min)</p> <ul style="list-style-type: none"> - Vuoksi River hydropower generation, flow levels & compensation mechanism, Ms. Anna-Stiina Heiskanen, Professor and Director of the Marine and Freshwater Solutions Unit, SYKE, Finland, Co-Lead Party, Member of the Bureau of the Water Convention - Water allocation planning in Central Asia: challenges and opportunities Ms. Dinara Ziganshina, Director, SIC-ICWC and Implementation Committee Vice Chair - The WE-ACT project: a climate sensitive decision support system for water allocation in the Naryn and Kara Darya catchments of the Syr Darya river basin Ms Jingshui Huang, Chair of Hydrology and River Basin Management, Technical University of Munich (<i>Virtual</i>) - Transboundary water allocation under the Albufeira Convention, Mr. Pedro Cunha Serra, Implementation Committee member <p>3. Responding regional expert: Mr Jonathan Kampata, Senior WRM Liaison Officer, GIZ Zambia (5 min)</p> <p>4. Q&A with the panelists (15 min)</p> <p>5. Harvesting key lessons learned, main challenges, good practices (5 min)</p>
12.15 – 13.00	<i>Interactive exercise (Moderators: Prof. Alistair Rieu-Clarke, Northumbria University & Prof. Owen McIntyre, University College Cork)</i>
13.00 – 14.00	Lunch break
14.00 – 15.15	<i>Interactive exercise (Moderators: Prof. Alistair Rieu-Clarke & Prof. Owen McIntyre)</i>
Session 3: Linkages between Transboundary Water Allocation and Broader Approaches: Integrating WEFE Nexus, Benefit Sharing & Conjunctive Management of Surface and Groundwater	
15.15 – 16.30	<p>This session will highlight the conceptual and procedural limitations to water allocation and the broader approaches to transboundary water resources management and cooperation with their linkages to water allocation. Several recognized broader approaches—IWRM, basin-wide planning, benefit-sharing and the water-energy-food-ecosystem nexus—to consider in conjunction with transboundary water allocation.</p> <p>ACCOMPANYING RESOURCES:</p> <p><i>Handbook On Water Allocation In A Transboundary Context</i></p> <ul style="list-style-type: none"> • <i>Chapter IV: Limitations To Water Allocation And Its Linkages With Broader Approaches</i>

	<p>Moderator: Mr Namu Mangisi, Chief Hydrologist, Ministry of Lands and Water Affairs, Botswana</p> <ol style="list-style-type: none"> 1. Grounding and intro by the moderator, with some general interactive questions (5 min) 2. Content (40 min) <ul style="list-style-type: none"> - Case Study 1: ZAMCOM PIDACC Mr. Nelson Miranda, Zambezi Watercourse Commission (ZAMCOM) - Case Study 2: LIMCOM Mr Zvikomborero Manyangadze, Environment and Water Resources Management Specialist, Limpopo Watercourse Commission (LIMCOM) - Case Study 3: INMACOM Nexus GAINS Initiative Mr Jonathan Lautze, Research Group Leader - Integrated Basin and Aquifer Management, IWMI - Case Study 4: Conjunctive management of surface and groundwaters Mr James Sauramba, Executive Director, SADC Groundwater Management Institute (SADC-GMI) - Case Study 5: Climate change impacts and adaptation in South Asia: lessons from the transboundary Indus and Ganges basins Mr Santosh Nepal, Researcher - Water Resources and Climate Change, IMWI - Responding regional expert: Mr Diego Rodriguez, Lead Water Economist, World Bank (5 min) 3. Q&A with the panelists (15 min) 4. Harvesting key lessons learned, main challenges, good practices (5 min)
16.30 – 16.45	Coffee break
16.45 – 18.00	<i>Interactive exercise (Moderators: Prof. Alistair Rieu-Clarke & Prof. Owen McIntyre)</i>
18.00	Close of Day 1
19:00	Reception event

Day 2 - Tuesday, 16 April 2024 (9.00 – 18.00)

Session 4: Evolution of existing agreements and other arrangements: incorporating flexibility and certainty to face current and future water challenges

09.00 – 10.15	<p>The aim of this special session is to discuss how existing transboundary water legal frameworks can evolve over time to address new challenges such as climate change. They should thus allow for flexibility to respond to changing needs and circumstances. These may include progressive furthering of cooperation between Riparian countries, changes in scientific knowledge, emerging issues. The session will look at different</p>
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options for the evolution transboundary water legal frameworks, including formal amendment but also other alternatives such as the development of protocols, annexes and other legal and technical procedures.

ACCOMPANYING RESOURCES:

Handbook On Water Allocation In A Transboundary Context

- *Chapter V: Objectives Of Water Management And Related Principles Of International Law To Guide Transboundary Water Allocation*
- *Chapter VII: Cooperative Frameworks For Transboundary Water Allocation*
- *Chapter VIII: Operationalizing Transboundary Water Allocation: Processes, Mechanisms And Examples*

Practical Guide on the Development of Transboundary Agreements

- *Module 2*
- *Module 3*

Moderators: Mr. Alistair Rieu-Clarke, Law Professor, Northumbria University

1. Grounding and intro by the moderator (10 min)

- **Presentation of the “Practical Guide for the Development of Agreements or Other Arrangements for Transboundary Water Cooperation” (Practical Guide)** – Mr. Komlan Sangbana, Secretariat of the Water Convention, UNECE (7 min)

2. Panel discussion with: (40 min)

- **Development of Agreement - CASE STUDY 1: Development of the BUPUSA Agreement and Institution** Mr Elisha Madamombe, Interim Executive Secretary, Buzi Pungwe Save (BUPUSA) Commission
- **Revision of Agreement - CASE STUDY: Jointly agreed revision of a transboundary agreement: Example of the Okavango River Basin Water** Mr Phera Ramoeli, Executive Secretary, OKACOM Secretariat
- **Development of Agreement *In Process*: CASE STUDY 3: Development of the joint Cuvelai Cunene basin institution** Mr. Silvanus Uunona, Acting Executive Secretary, Cuvelai Watercourse Commission (CUVECOM)
- **Development of Agreement *In Process* CASE STUDY 4: Revision of the INCOMAPUTO Interim Agreement** Mr Edward Mswane, Interim Executive Secretary, Incomati and Maputo Watercourse Commission (INMACOM)

3. Responding regional expert: Ms Loreen Katiyo, Transboundary Water Governance & Environmental Specialist, GWP Southern Africa (5 min)

4. Q&A with the panelists (15 minutes)

	5. Harvesting key lessons learned, main challenges, good practices (5 min)
10.15 – 11.00	<i>Interactive exercise (Moderators: Prof. Alistair Rieu-Clarke & Prof. Owen McIntyre)</i>
11.00 – 11.15	Coffee break
Session 5: Designing the substantive content of allocation provisions in legal, policy and institutional frameworks	
11.15 – 12.30	<p>This session will focus on a set of technical, legal and institutional water allocation approaches, mechanisms and arrangements that can be adapted and applied to various transboundary contexts. A three-phase, 10-step modular process is presented that provides a variety of options for operationalizing water allocation. The session will also present the transboundary water allocation typology methodology developed for cataloguing and analysing allocation mechanisms in international water agreements that was used in a discrete piece of research specifically commissioned for the Global Handbook. The methodology and data used are just one approach to conducting a broad analysis of the global practice of allocation in international freshwater agreements.</p> <p>ACCOMPANYING RESOURCES:</p> <p><i>Handbook On Water Allocation In A Transboundary Context</i></p> <ul style="list-style-type: none"> • <i>Chapter V: Objectives Of Water Management And Related Principles Of International Law To Guide Transboundary Water Allocation</i> • <i>Chapter VII: Cooperative Frameworks For Transboundary Water Allocation</i> • <i>Chapter Viii: Operationalizing Transboundary Water Allocation: Processes, Mechanisms And Examples</i> • <i>Annex: Typology of Transboundary Water Allocation</i> <p><i>Practical Guide on the Development of Transboundary Agreements</i></p> <ul style="list-style-type: none"> • <i>Module 5</i> <p>Moderator: Mr Owen McIntyre, International Water Law Professor, University College Cork, Ireland</p> <ol style="list-style-type: none"> 1. Grounding and intro by the moderator, with some general interactive questions (5 min) 2. Content (40 min) <ul style="list-style-type: none"> - CASE STUDY 1: Global synthesis and exemplars of allocation mechanisms in transboundary water agreements from the Handbook and Transboundary Freshwater Dispute Database. Ms Melissa McCracken, Assistant Professor of International Environmental Policy The Fletcher School at Tufts University - CASE STUDY 2: Portugal-Spain Mr. Pedro Cunha Serra, Water Convention Implementation Committee member

	<ul style="list-style-type: none"> - CASE STUDY 3: Finland and neighbouring riparians Mr. Antti-Belinskij, Professor of environmental and water law, University of Eastern Finland and Research Professor, SYKE - CASE STUDY 4: Central Asia Ms. Zhanar Mautanova, Director, International Water Assessment Center, Kazakhstan (virtual) <p>3. Responding regional expert: Mr Edward Mswane, Interim Executive Secretary, Incomati and Maputo Watercourse Commission (5 min)</p> <p>4. Q&A with the panelists (20 min)</p> <p>5. Harvesting key lessons learned, main challenges, good practices (5 min)</p>
12.30 – 13.00	<i>Interactive exercise (Moderators: Prof. Alistair Rieu-Clarke & Prof. Owen McIntyre)</i>
13.00 – 14.00	Lunch break (Working Lunch for moderators and rapporteurs to summarise results)
Summary of interactive exercises:	
14.00 – 15.45	<p>Moderators: <i>(Moderators: Prof. Alistair Rieu-Clarke & Prof. Owen McIntyre)</i></p> <p><i>Plenary discussions of the 2 days of groups exercises, key feedback and takeaways</i></p>
15.45 – 16.00	Coffee break
Concluding session:	
16.00– 16.15	Future work in this programme area – Mr. Peter Kovacs, Hungary, Co-Lead Party
16.15 – 16.30	<p>Recap of the workshop. Mr Remy Kinna, Legal Officer, Water Convention, UNECE</p> <p>Closing remark by:</p> <ul style="list-style-type: none"> - Mr Joe Kalusa, Permanent Secretary, Ministry of Water Development & Sanitation, Zambia - Mr. Antti Rautavaara, Special Envoy for Water, Ministry of Foreign Affairs, Finland, Co-Lead Party (5 min)
16.30	Close of Day 2 & workshop