



WATER
CONVENTION

Transboundary Water Allocation Handbook

2nd Expert Group Meeting
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Presenter:
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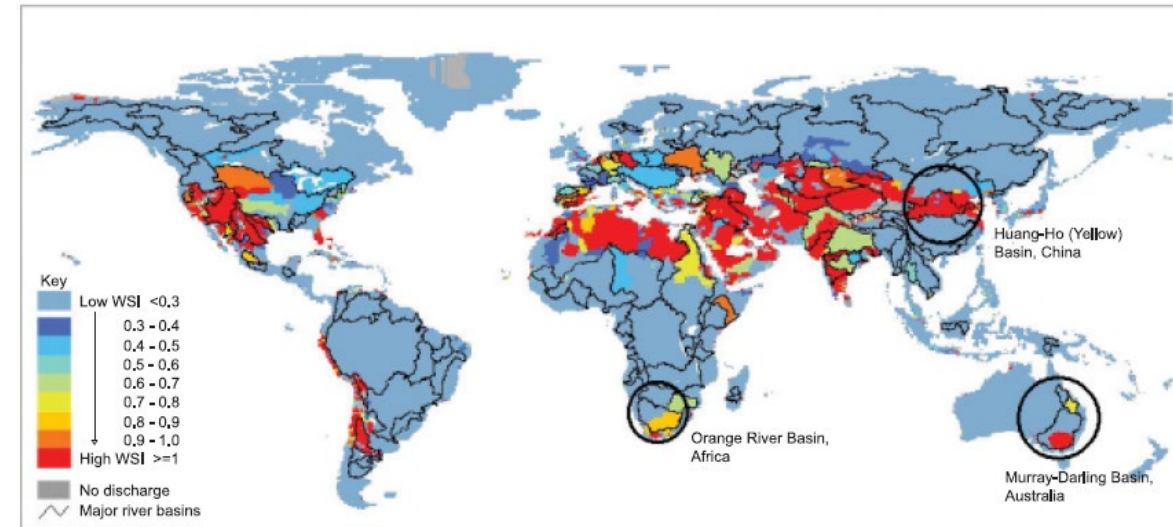
Thematic Group Discussion:
Water Scarcity and Drought

Case study:
Multiple



Water Scarcity, Drought and Transboundary Water Allocation

- Scarcity drives need to optimally allocate every drop, basin is the best unit for optimal management so **scarcity drives allocation**
- Drought (and variability) risks can be better managed at a basin-level so **drought risks can also drive cooperation and allocation**
 - Senegal basin as example
- Scarcity and drought likely also influence the **shape or form of allocation**
 - Low flow provisions in the Incomati, other examples presented by Aaron
- But what precisely is water scarcity?
 - SDG 6.4 indicator of water stress or scarcity as $\text{Withdrawal}/(\text{RWR} - \text{e-flows})$



Key reactions on current content of this thematic element of transboundary water allocation

- What are the most important aspects of this thematic element to include in the Handbook?
 - Water Scarcity and Drought as a driver of allocation
 - Conversely, how does abundance also drive toward allocation following a first step of flow regulation infrastructure?
 - Water Scarcity and Drought influencing the form of cooperation
 - Are there low-flow or other variability provisions in allocations?
 - How does relative scarcity or stress within basins affect allocation?
 - Does higher population and/or agriculture relative to RWR result in greater allocation?
- Where would you highlight this thematic element within the different chapters and how?
 - Seems to be very explicit focus on water scarcity and drought

Coverage of Scarcity within content

Availability & Variability of Surface Waters and Groundwaters

- **Availability**

- Long-term data and knowledge on water resources.
- Normal and exceptional circumstances.

- **Drought**

- Effects of drought and importance of drought knowledge in transboundary water allocation.

Competing Uses

- **Water Scarcity & Efficiency**

- Water scarcity affecting transboundary water resources.

Types of Basins: Is this “type” according to degree of scarcity?

- How would you avoid repetition and demonstrate linkages?
 - case studies could be framed in a water scarcity context.
 - map of cases studies with basins shaded according to degree of scarcity

SLIDE 2: Reaction / proposal on illustrative case study/s

- Some case studies have been identified as relevant to this thematic element. (OMVS, Colorado, Incomati,-Mara mentioned yesterday, Jordan?)
 - If you know these examples, what do you think are the main lessons and common conclusions that can be drawn from them regarding this thematic element?
 - - Need to think about demands of different sectors, in different countries and account for inter-annual variability. OMVS and Incomati may be examples that do this; Colorado may be opposite example
 - This may not emerge strongly from existing examples, but consideration of all water sources including GW and WW
 - If not, do you know of any other examples that may be relevant to illustrate this specific thematic element and can you describe briefly the main lessons?
 - Nice emerging evidence on SW-GW conjunctive in SADC, nonetheless struggle to treat it as codified allocations similar to other global experience

Conjunctive Cooperation

- High Water Scarcity in Ramotswa and Tuli Karoo
 - High variability in the Shire
- TDA/SAP Processes focused on understanding shared aquifers and formulating ways for joint management with surface waters
- Linkage with RBOs

