**SDG 6**
Ensure availability and sustainable management of water and sanitation for all

**Target 6.5:** By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate

**Indicator 6.5.2:** Proportion of transboundary basin area with an operational arrangement for water cooperation

Presented by Stefan Uhlenbrook, UNESCO
World Water Assessment Programme (WWAP)
6.5.2: Proportion of transboundary basin area with an operational arrangement for water cooperation

Transboundary River basins (TWAP)

- 60% of global freshwater
- 286 transboundary river basins
- 592 transboundary aquifers
Clear Methodology for 6.5.2

\[
\frac{a_1 + a_2 + a_5}{a_1 + a_2 + a_3 + a_4 + a_5} = \frac{10 + 10 + 1}{10 + 10 + 12 + 1 + 1}
\]

\[
\frac{21}{34} \times 100\% = 61.8\%
\]
Proposal: Tier 2 for Indicator 6.5.2
(custodian agencies: UNESCO and UNECE)

• Indicator is conceptually clear and methodology is simple, essentially combining data that is available in all countries.

• International standards and/or methodologies are available for the data components:
  - Basin delineations and surface areas consolidated at the regional/global level; incl. groundwater.
  - ‘Operationality’ of agreements based on main principles of customary international law (i.e., two UN Conventions); clear criteria; data at countries and global data bases.

• Roll out is part of GEMI project; other ‘supporting’ projects have been carried out or are ongoing.
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Thank you
Proposed tier for 6.5.2 (cont’d)

- Data would be most reliably collected and validated at the national level.
- Reporting by countries under the Convention on the Protection and Use of Transboundary Watercourses and International Lakes will contribute information for tracking progress.
- International sources of information can support and complement the information by the countries and allows to have a first baseline / overview.
  - Transboundary river basin delineations and areas as well as presence of an agreement and of a basin organisation: Global Environment Facility supported Transboundary Waters Assessment Programme (TWAP).
  - International Freshwater Treaties Database, Oregon State University.
  - Information about transboundary aquifers: regional inventories of the UNESCO-led Internationally Shared Aquifer Resources Management, database of the UNESCO International Groundwater Resources Assessment Centre (IGRAC); Etc.
- GEMI will support testing the methodology and acquiring practical experience of its application in countries.

Transboundary River basins (TWAP)

Transboundary Aquifers (TWAP)
Background indicator 6.5.2

• Most of the world’s water resources are shared: transboundary lake and river basins account for 60% of global freshwater. Some 286 transboundary main river basins and 592 transboundary aquifers have been identified.

• Development and management of water resources has impacts across transboundary basins and therefore transboundary cooperation is required. However, cooperation is in most cases not advanced.

• Specific agreements or other arrangements concluded between co-riparian countries are a key precondition to ensure long-term, sustainable cooperation.