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**Asia Water Forum 2022**

8–11 August 2022 • Online

Focus Area: KD4 AWDO 2020

**Session Title: Toward the Asian Water Development Outlook 2025**

Schedule: 8 August 2022

# AWDO 2020: Key Dimension 4 - Lessons learned

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# KD4 AWDO 2020: Lessons learned

- KD4: Environmental water security
  - assesses the health of rivers, wetlands, and groundwater systems and measures progress in restoring aquatic ecosystem health on a national and regional scale
- Remote sensing data proved to be a very valuable addition to AWDO 2020
- KD4 broad-scale indication of trends in pressures on ecosystem condition – patterns not always evident at local scales
- Smaller nations are challenging to assess within KD4
- The ‘does it make sense’ test can be tricky due to spatial variation in ecosystem health
  - Better done with discussion in text rather than altering results
- Difficult to include environmental restoration but a necessary goal



# Looking to AWDO 2025: KD4

- Further development of methodology for small nations (including SIDS)
- Expand the use of earth observation technology
  - Ice mass in the cryosphere
  - Sedimentation in rivers, wetlands and the coastal zone
  - Other water quality parameters in rivers and wetlands (e.g. nitrogen and phosphorus)
- Bringing the Outlook into AWDO 2025
  - AWDO 2020 is a look *back* at water security but there are several avenues that could help make AWDO 2025 a look *forward*
  - Narrative of the future could be a part of the AWDO 2025 assessment
    - Analysis of likely impact of immediate stressors (e.g. ENSO/IOD cycles)
    - Analysis of longer-term stressors (e.g. sea level rise and other climate change threats)

