

# Water Security in Arid Environment

Thoughts from the  
Global Runoff Data Centre (GRDC)  
and the  
UNESCO Cat 2 International Centre for  
Water Resources and Global Change

24th IHP-Regional Steering Committee Meeting  
in conjunction with the  
International and national water dialogue on the delivery of SDG 6 in  
Mongolia and wider Asia and the Pacific region  
24 – 26 October 2016  
Ulaanbaatar, Mongolia

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# You Can't Manage What You Don't Measure

**Water Quantity -**

and

**Water Quality-monitoring**

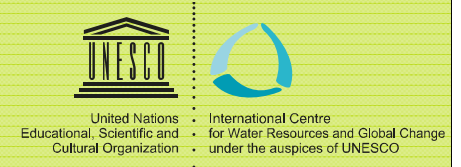
are key aspects  
to escort and monitor  
SDG 6 objectives



Data sharing with international centres such  
as **GRDC** and **GEMStat** are vital for success



# GRDC offers collaboration with UNCCD



African Drought Conference (Windhoek Declaration, August 2016) adopts Strategic Framework for Drought Risk Management and Enhancing Resilience guided by the following six principles:

1. Drought policy and governance for drought risk management
2. Drought monitoring and early warning
3. Drought vulnerability and impact assessment
4. Drought mitigation, preparedness and response
5. Knowledge management and drought awareness
6. Reducing underlying factors of drought risk





## Cat 2 Centre active in Arid Regions



### International Centre for Water Resources and Global Change

has strong interest in Arid Regions with project proposals for FAO Green Climate Fund on:

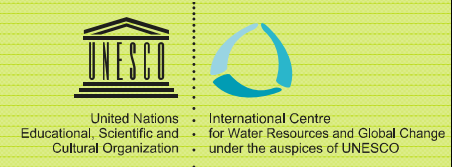
- Water efficiency
- Water Pricing

FAO Green Climate Fund promotes the paradigm shift towards low-emission and climate-resilient development pathways





## Cat 2 Centre active in Arid Regions



### International Centre for Water Resources and Global Change

Linked to: “Coping with Water Scarcity in  
Agriculture” FAO input to UNFCCC-COP 22 in  
Marrakesh, November 2016

Contributes to: The Global Forum for Food and  
Agriculture “Agriculture and Water – Key to  
Feeding the World” in January 2017 in Berlin





# Possible collaboration

- Scientific collaboration on joint proposals dealing with
  - “Water Scarcity and Water Security ”
  - Product development based on in situ measurements, remote sensing and models
  - Links between water availability and water quality
- Water quantity and quality data exchange
- Capacity development:
  - PhD student exchanges and co-supervision,
  - study tours,
  - organisation of joint events



# Global Runoff Data Centre Koblenz, Germany

## ...more than 27 Years GRDC



**Thank you for your attention!**

Please visit GRDC at  
<http://grdc.bafg.de>

**The GRDC at your service:**

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