

Benefit-Sharing Framework in the Nile River Basin

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OUTLINE

- ✓ **Context**
- ✓ **Benefit Sharing: Concepts and Principles**
- ✓ **International Experiences**
- ✓ **Application**
- ✓ **Remarks**

Transboundary Water Governance

✓ Transboundary lake and river basins

- 263 lakes and rivers in the world
- 50% of Earth's land surface
- 60% of global freshwater
- 145 nations

✓ Water Governance

- 295 international agreements

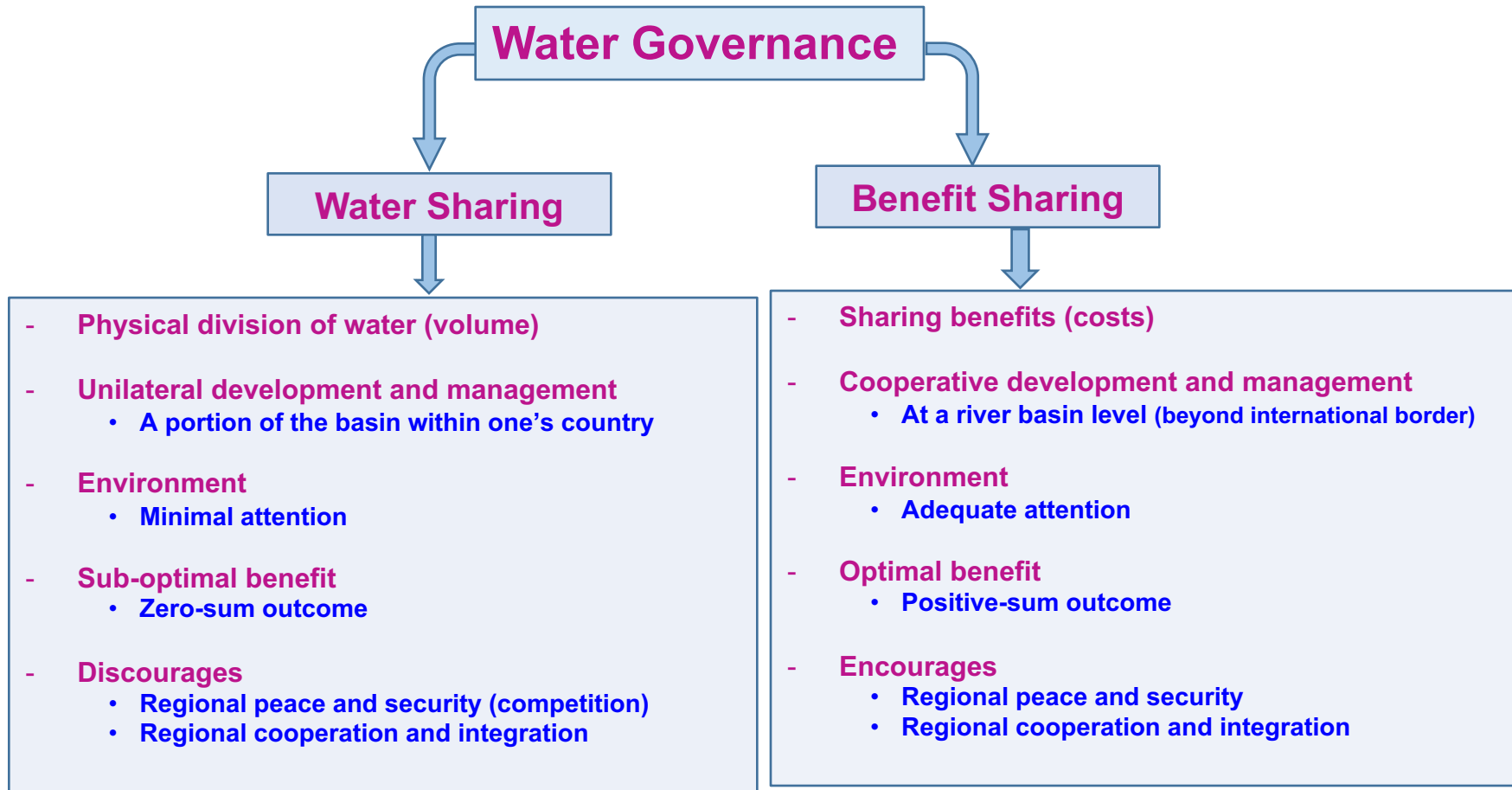
Nile Basin Treaties/Agreements

❑ 1929 – Anglo-Egyptian Treaty

❑ 1959 – Egypt and Sudan Agreement

- Water Sharing
- 100% of the Nile waters – Egypt and Sudan
- Rejected by other riparian countries
- Does not reflect “equitable and reasonable use” of shared water
- Contradicts with the core principle of
 - ✓ 1997 UN-Water Convention
 - ✓ Nile River Basin Cooperative Framework Agreement
 - ✓ 2015 Declaration of Principles
 - ✓ Traits of a good neighbor
- No room for regional cooperation and integration
- Leads to mistrust, competition, conflicts and deprived natural environment
- Ineffective and unsustainable water governance

Water Governance Mechanism



The principles and concepts of cooperative development and benefit sharing are

- ✓ advocated by
 - ✓ United Nations
 - ✓ Nile Basin Initiative
- ✓ increasingly put into practice by many countries

Examples:

Cooperative Development and Benefit Sharing

Columbia River Basin

- ✓ **Participant Countries**
 - Canada and the United States
- ✓ **Development Objectives**
 - Power production and flood control
- ✓ **Development Projects**
 - Storage dams (in Canada)
- ✓ **Benefit Sharing**
 - Equally shared
 - ✓ 50 % of estimated additional power generated in the U.S.
 - ✓ 50% of future flood control
- ✓ **Governance Structure**
 - Canada-U.S. Columbia River Treaty
- ✓ **Implementation**
 - Entities from both countries
- ✓ **Regional Institution**
 - Permanent Engineering Board
- ✓ **Considered**
 - “the most successful” examples of a transboundary water Treaty
 - a model of “co-operative development” on an international river system
- * **Canada- U.S. Columbia River Treaty: A Review**
 - Tomorrow @ 10:30am (ET)

Senegal River Basin

- ✓ **Participant Countries**
 - Senegal, Mali, Mauritania
- ✓ **Development Objectives**
 - Irrigation, hydropower and navigation
- ✓ **Development Projects**
 - Manatali (1988), Diama (1986)
- ✓ **Benefit Sharing**
 - Pro-rated based on costs (periodically adjusted)
 - ✓ Mali – 35.3%
 - ✓ Mauritania – 22.6%
 - ✓ Senegal – 42.1%
- ✓ **Governance Structure**
 - Convention (1972a,b); Convention (1978);
 - Convention (1982); Water Charter (2002)
- ✓ **Regional Institution**
 - Senegal River Basin Development Organization (OMVS)

***OMVS is considered by many as one of the most successful river basin models in Africa.**

Lesotho Highlands Water Project

Benefit-Sharing Arrangement in the Eastern Nile River Basin

NBI – Goals & Actions for 2017-2027

- 1. Water Security**
- 2. Food Security**
- 3. Energy Security**
- 4. Environmental Sustainability**
- 5. Climate Change Adaptation**
- 6. Transboundary Water Governance**

Basin-wide Integrated Water Resources Development and Management

Areas for Cooperation

✓ Technical

- Carry out assessments at a river basin level (IWRM)
 - water storage
 - hydropower
 - irrigation
 - flood control
 - environment
 - climate change
- Identify investment projects
- Joint operation and management
- Capacity building and technology transfer

✓ Finance

- Joint
- Attract and facilitate external financing

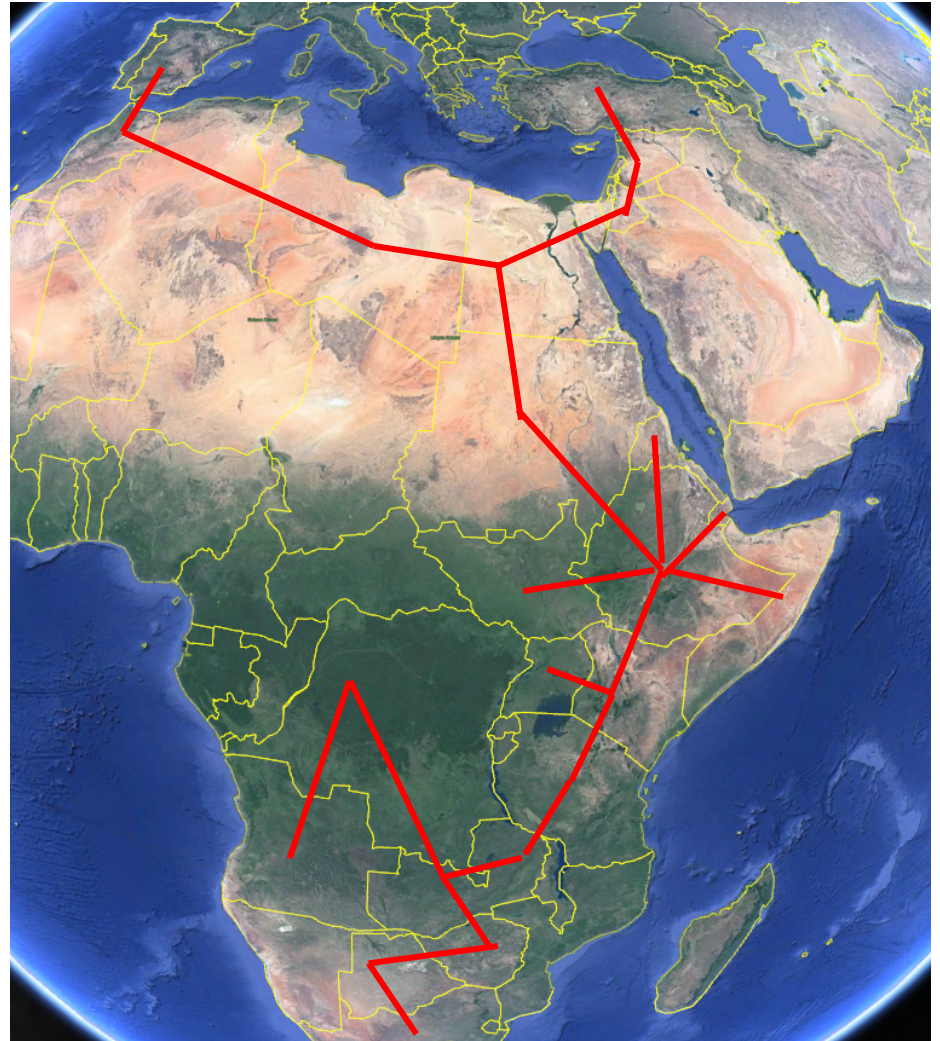
✓ Cooperative development

- Irrigation
 - to ensure food security in the region
 - for export

... Areas for Cooperation

Hydropower

- ✓ Energy security in the region
- ✓ Power Export
 - **Market**
 - ✓ Africa
 - ✓ Middle East and Europe
 - **Infrastructure**
 - ✓ International Transmission Lines
 - ✓ Egypt - outlet



Transboundary Water Governance

- ✓ **Establish an effective legal framework**
 - **Benefit-sharing**
 - **Establish regional and national institutions**
 - **Term of the agreement or treaty**
 - a fixed duration that considers planning and operational certainty
 - a provision to unilaterally terminate the agreement/treaty

Closing Remarks

- ✓ **Cooperative Development and Benefit Sharing arrangement**
 - **Can be an effective mechanism to govern the Nile waters**
- ✓ **Nile Basin States need to**
 - **Change the status-quo**
 - competition
 - mistrust
 - **Focus on**
 - cooperation
 - trust building
 - **To tip the balance from potential conflict to regional**
 - cooperation, peace, security and sustainable development through cooperative basin-wide development and management of **scarce, shared** water resources.

Thank you!