



GEF Transboundary Waters Assessment Programme:

Contributing to Indicator-Based Management of Transboundary Aquatic Systems

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What is the gestation period for TWAP (from concept to results)?



As long as
frilled sharks
(42 mos)?

...deep sea
octopus (4.5
yrs)?

As long as
elephants' (20
mos)?



GEF International Waters (IW) Focal Area: Before 2007



Are GEF investments improving aquatic systems?

...No indicator-based reference data for these

...How do we prioritize limited IW funds?



TWAP Medium-Sized Project Proposal (2007)



A Periodic Global Transboundary Waters Assessment Programme:

1. Partner agencies
2. Indicator (results)- based
Methods for assessment/
tracking
3. Arrangements to conduct
baseline assessment
through an FSP

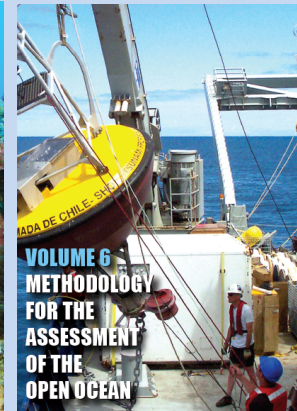
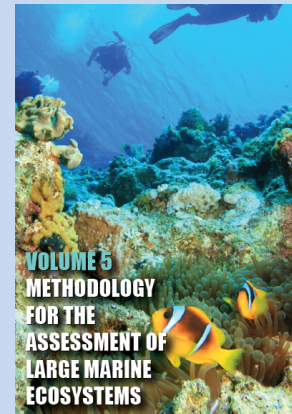
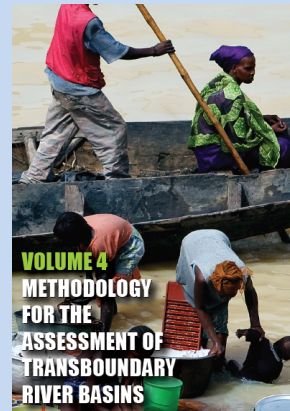
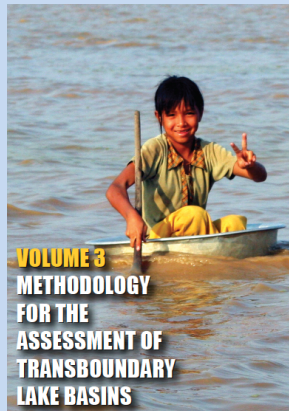
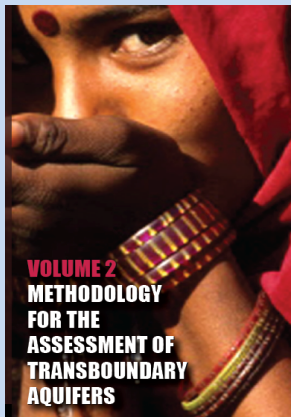




TWAP Medium-Sized Project (2009-10)



Indicator-Based Assessment Methods



Lead Organizations



Implementing Agency



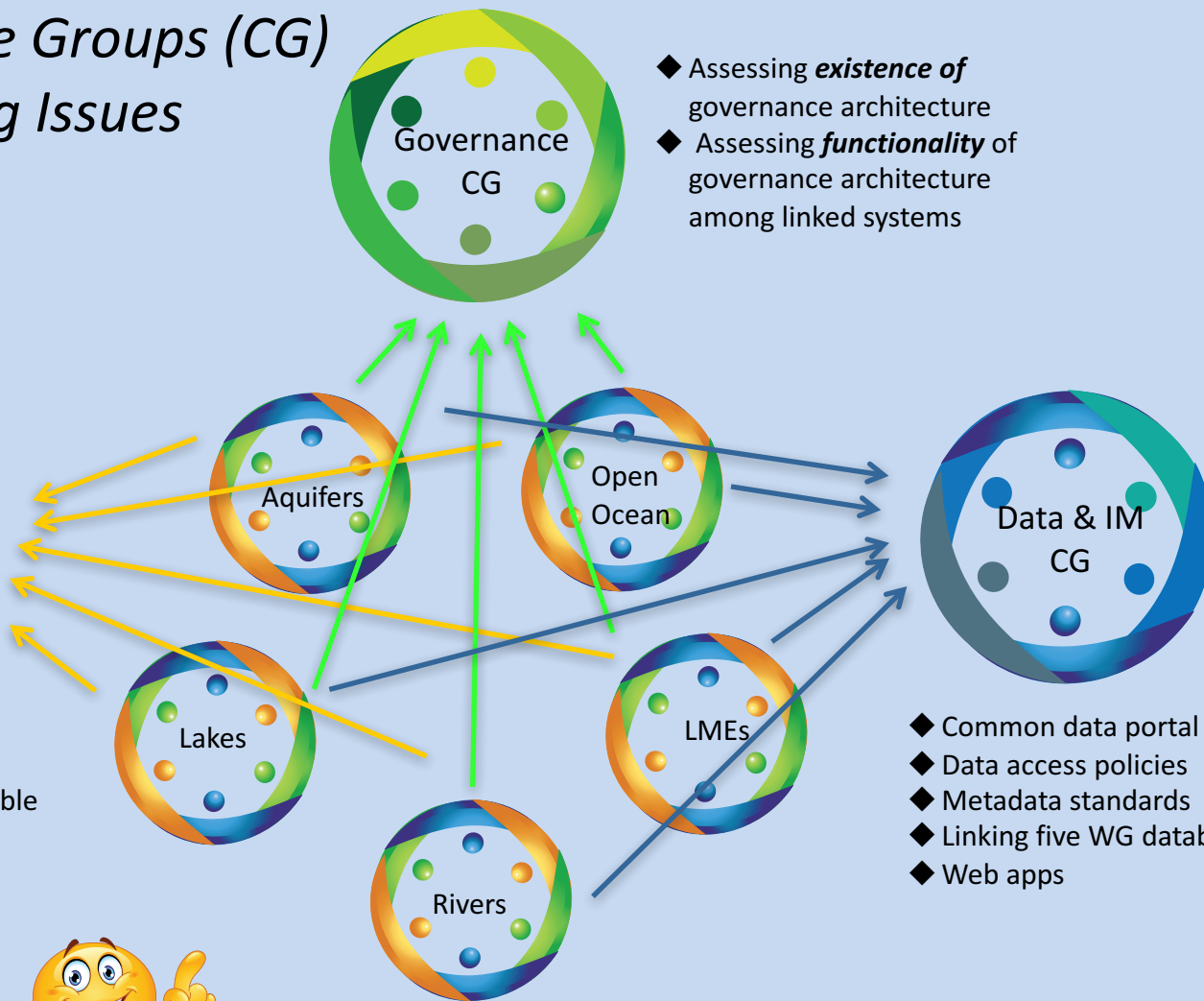


Correspondence Groups (CG) for Crosscutting Issues

- ◆ Assessing **existence** of governance architecture
- ◆ Assessing **functionality** of governance architecture among linked systems



- ◆ Common input data
- ◆ Objective scaling
- ◆ Classification of vulnerable human populations



- ◆ Common data portal
- ◆ Data access policies
- ◆ Metadata standards
- ◆ Linking five WG databases
- ◆ Web apps



TWAP Full Sized Project (2013-15): Global Indicator-Based Assessment



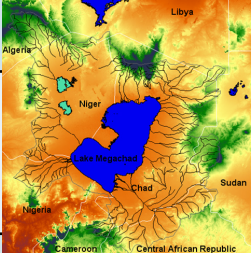

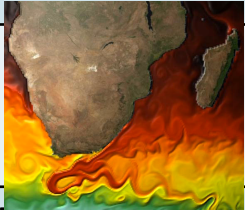
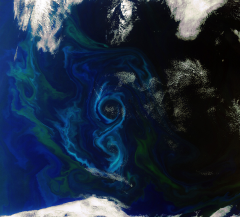

- Long-term goal: Promote financing of **indicator (results) - based** management and development of transboundary water systems
- Global environment objective: (1) Apply agreed assessment methods ; (2) Formalize partnerships & institutional arrangements for periodically conducting global assessments
- Project objective: (1) Conduct **first global assessment** to assist GEF and other donors to improve the setting of funding priorities; (2) Formalize **partnerships with key institutions** aimed at incorporating transboundary considerations into regular assessment programs, & resulting in periodic assessments of transboundary water systems

Global Indicator-based Transboundary Waters Assessment Programme



Comparative within a water system

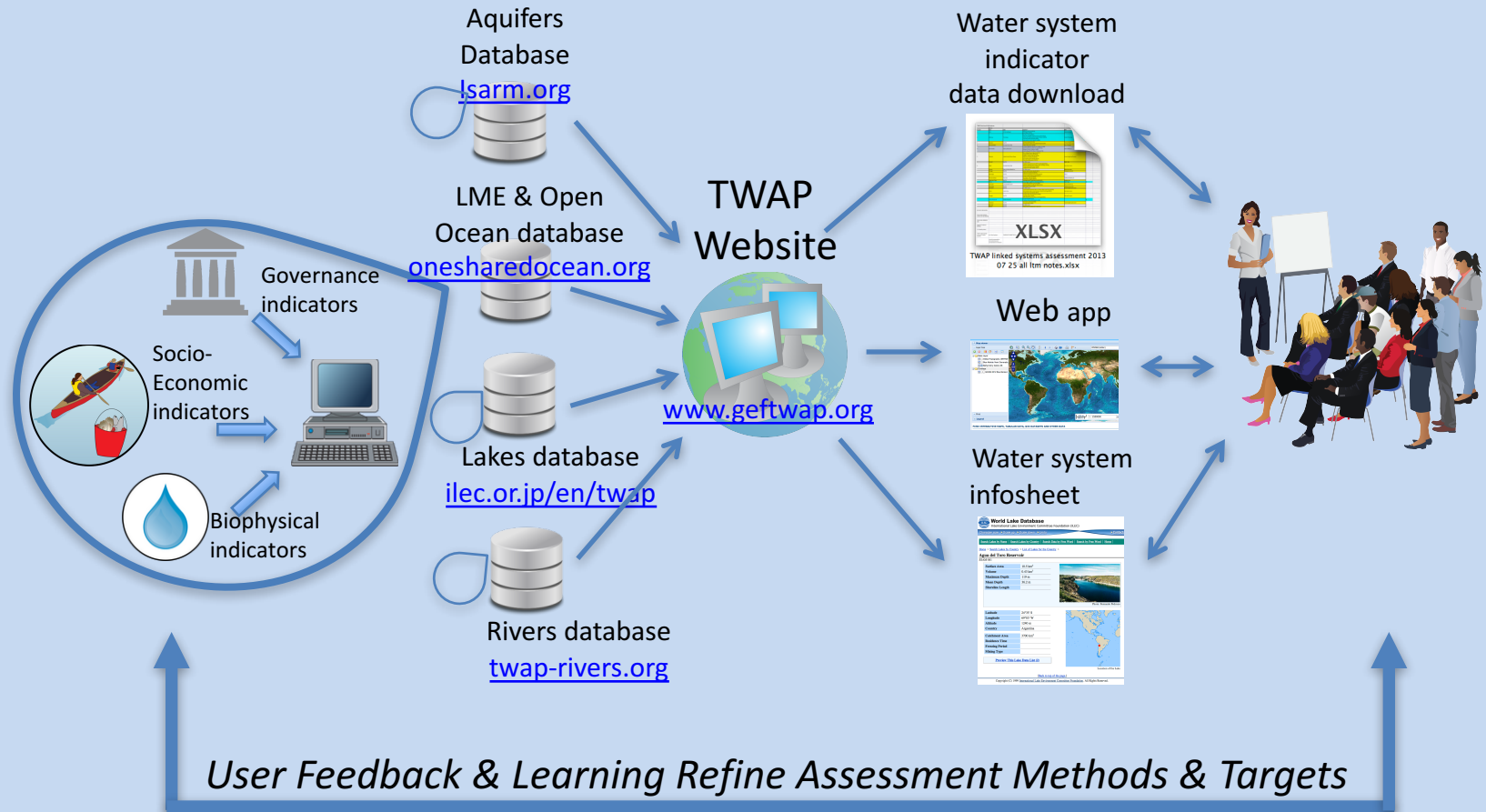
Thematic

Elements	Transboundary Aquifers:	Transboundary Lakes Basins & Reservoirs	Transboundary River Basins	Large Marine Ecosystems	The Open Ocean
Spatial coverage, 2010, 2030, 2050	199 aquifers 42 groundwater systems in SIDS	204 lakes/ reservoirs 	286 river basins 	66 LMEs Pacific Warm Pool 	Global Open Ocean 
Biophysical indicators					
Socioeconomic Indicators (e.g.)	Water demand by economic sector	GDP Fisheries GDP Tourism	Access to water Access to sanitation	Deaths due to climate related natural disasters	Vulnerability to sea level rise
Governance architecture/ arrangement (e.g.)	For Water Quantity	For Water Distribution	For Habitat Destruction	For Fisheries	For Biodiversity
Data & Information Management	(next slide)				

Global Indicator-based Transboundary Waters Assessment Program



Indicator-Based Assessment Data & Product Delivery System



TWAP Results



- Assessment knowledge products
 - Five independent assessments (Volumes 1-5)
 - Crosscutting Analysis (Volume 6) & Transboundary Water Baseline Folio (Companion Volume)
 - Central and Partner Websites
- Institutional partnerships to sustain regular indicator (results)-based global assessments and monitoring of transboundary water systems

Contact Information



Project Website: <http://www.geftwap.org>

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Partners' Websites:

Aquifers: <http://www.isarm.org>

Geert-Jan Nijsten

Lakes: <http://www.ilec.or.jp/en/twap>

Walter Rast, Masahisa Nakamura

Rivers: <http://twap-rivers.org>

Peter Bjørnsen, Maija Bertule

LMEs & Open Ocean: <http://www.oneocean.org>

Julian Barbieri, Albert Fischer

Briefing Organization



For each water category (1st half):

- 💧 20-minute presentation
- 💧 10-minute Q & A session

2nd half of the briefing:

- 💧 Experts video exchange (TWAP authors remotely participating)
- 💧 TWAP PSC on sustaining mechanisms



Thank you!

