

Water Cooperation Skills-Building for Women in Water Diplomacy

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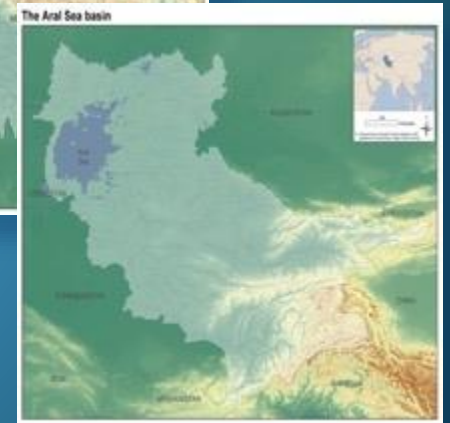
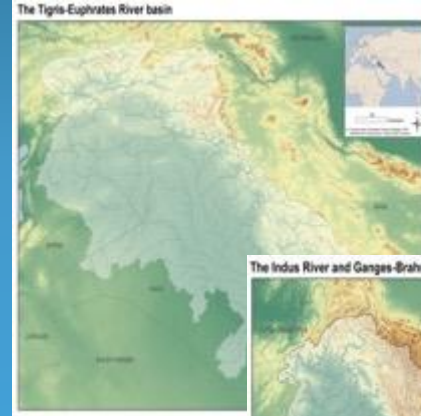
&

Program in Water Diplomacy

IHE-Delft Institute for Water Education

March 2024

What is Water Diplomacy??



"Addressing water resources challenges in a way that is politically viable, or even enhances cooperation."

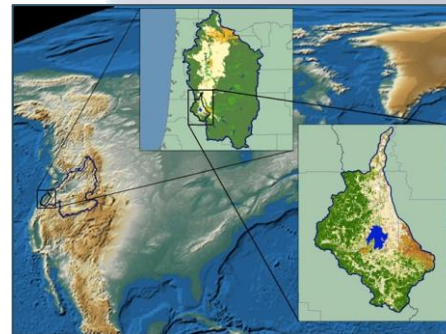
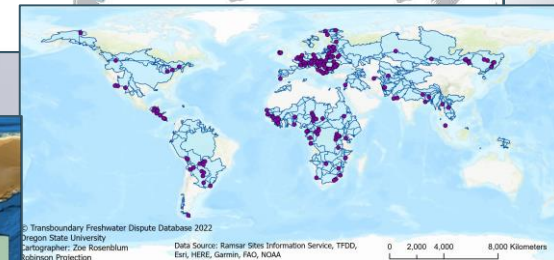
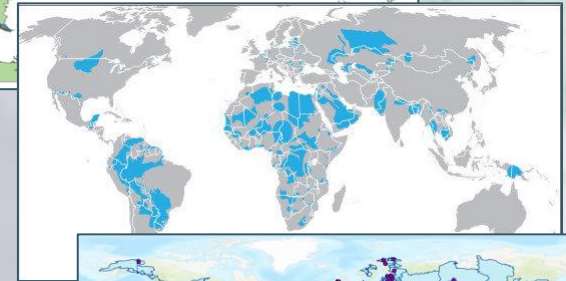
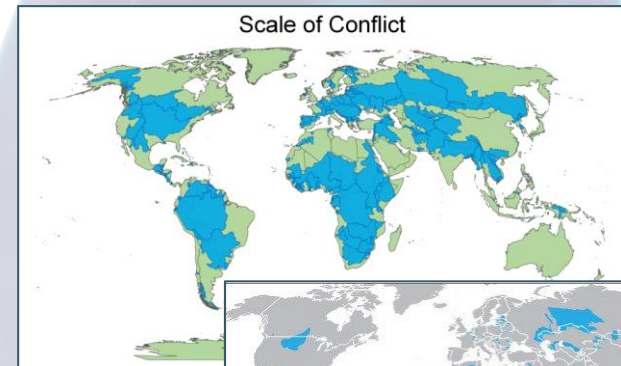
Water Conflict & Cooperation: Assumptions & Evidence

PREVAILING WISDOM:

“Issues over shared waters are not widespread”

EVIDENCE:

- 313 international basins
 - ½ land surface of earth
 - 40% of world population
 - 60% of freshwater flow
- 600 transboundary aquifers
- Lakes, wetlands
- Subnational issues



Who's thinking about this?



Global Water Security

INTELLIGENCE COMMUNITY ASSESSMENT
ICA 2012-08, 2 February 2012
This is an IC-coordinated paper.

PRE-DECISIONAL WORKING DRAFT

Declaration on U.S. Policy and the Global Challenge of Water

A Report of the CSIS Global Water Futures Project

DECLARATION COCHAIRS
William H. Frist
E. Neville Isdell

DIRECTOR
Erik R. Peterson

ASSISTANT DIRECTOR
Rachel Posner



MARCH 2009

Delft University of Technology



Military Engineering Centre of Expertise

Water Management as a Peace Mechanism

An integrated and comprehensive new policy framework for the
application of water management in stabilisation operations

3D Planning Guide Diplomacy, Development, Defense

31 July 2012



RESEARCH SUMMARY

Philip Huizinga

erlands, Delft, October 2015

Who's thinking about this?

RECLAMATION
Managing Water in the West

**Sharing Water, Building Relations:
Managing and Transforming
Water Conflict in the US West**

Instructor Manual



Network for Sustainable Hydropower Development in the Mekong Countries (NSHD-M)

Documentation
**Training of Trainers on
Transboundary Cooperation and Hydropower
Development**

Vientiane, Laos, 22-24 July 2014

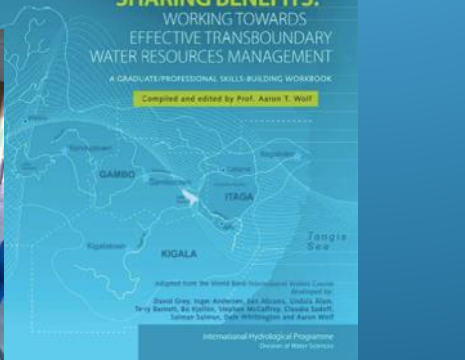


**SHARING WATER,
SHARING BENEFITS:**

WORKING TOWARDS
EFFECTIVE TRANSBOUNDARY
WATER RESOURCES MANAGEMENT

A GRADUATE/PROFESSIONAL SKILLS-BUILDING WORKBOOK

Compiled and edited by Prof. Aaron T. Wolf



Adapted from the World Bank International Waters Course
Developed by
Baril Gray, Inger Andersen, Jodi Alcamo, Sridatta Mani,
Vivian Bennett, Anirban Ghoshal, Vaughan McCallum, Chandra Sankar,
Suman Subram, Colin Whittington and Aaron Wolf

International Hydrological Programme
Division of Water Sciences

Delft University of Technology



Military Engineering Centre of Expertise

Water Management as a Peace Mechanism

An integrated and comprehensive new policy framework for the application of water management in stabilisation operations

RESEARCH SUMMARY



**Effective Negotiation for
Transboundary Waters:
A Skills Building Course**

October 2015

Prepared for the MRC by:

Dr. Aaron T. Wolf (Oregon State University)

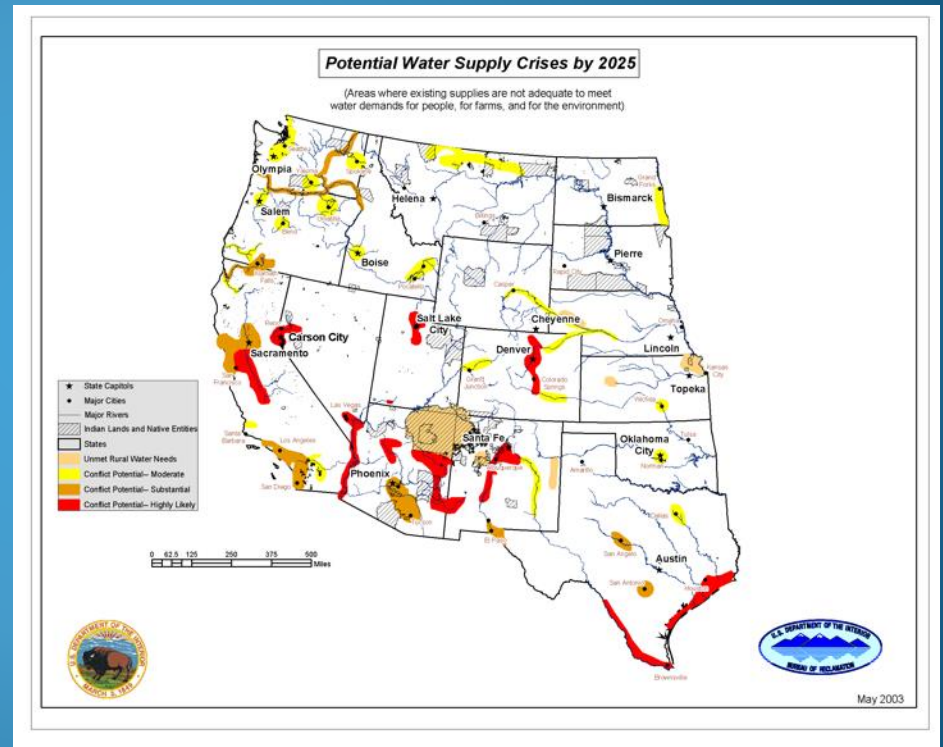
Dr. Todd Arviss (Oregon State University)

Region Kunigapan (MRCOFC) - The Center for People and Forests

April 2014

Management & Conflict Management

- Managers reported that they routinely spent 50-100% of their time managing water conflict
- The higher the management level, the more time was spent in managing conflict
- Training across levels was sporadic
- Is conflict rewarded?





“The process is not rational.”

GETTING TO “YES”

- **Separate the PEOPLE from the problem**
- **Focus on INTERESTS, not positions**
- **Invent OPTIONS for mutual gain**
- **Insist on Objective CRITERIA**

PROCESS TECHNIQUES

- SEATING ARRANGEMENT
- SHARED VISION EXERCISES
- VENTING
- ACTIVE & TRANSFORMATIVE LISTENING
 - Repeat main points
 - "I" not "you"
 - Future not history
- LETTING GO OF OWNERSHIP
- BREAKS FOR CONNECTING



Water & Spiritual Transformation: Understanding Conflict

- How do faith traditions understand conflict, anger, forgiveness, reconciliation?
- What processes are used to transform conflict?
- How does a spiritual understanding of water impact dialog?
- How does global water management address the spiritual needs of water stakeholders?



The
Spirit of
Dialogue

*Lessons
from Faith Traditions in
Transforming Conflict*

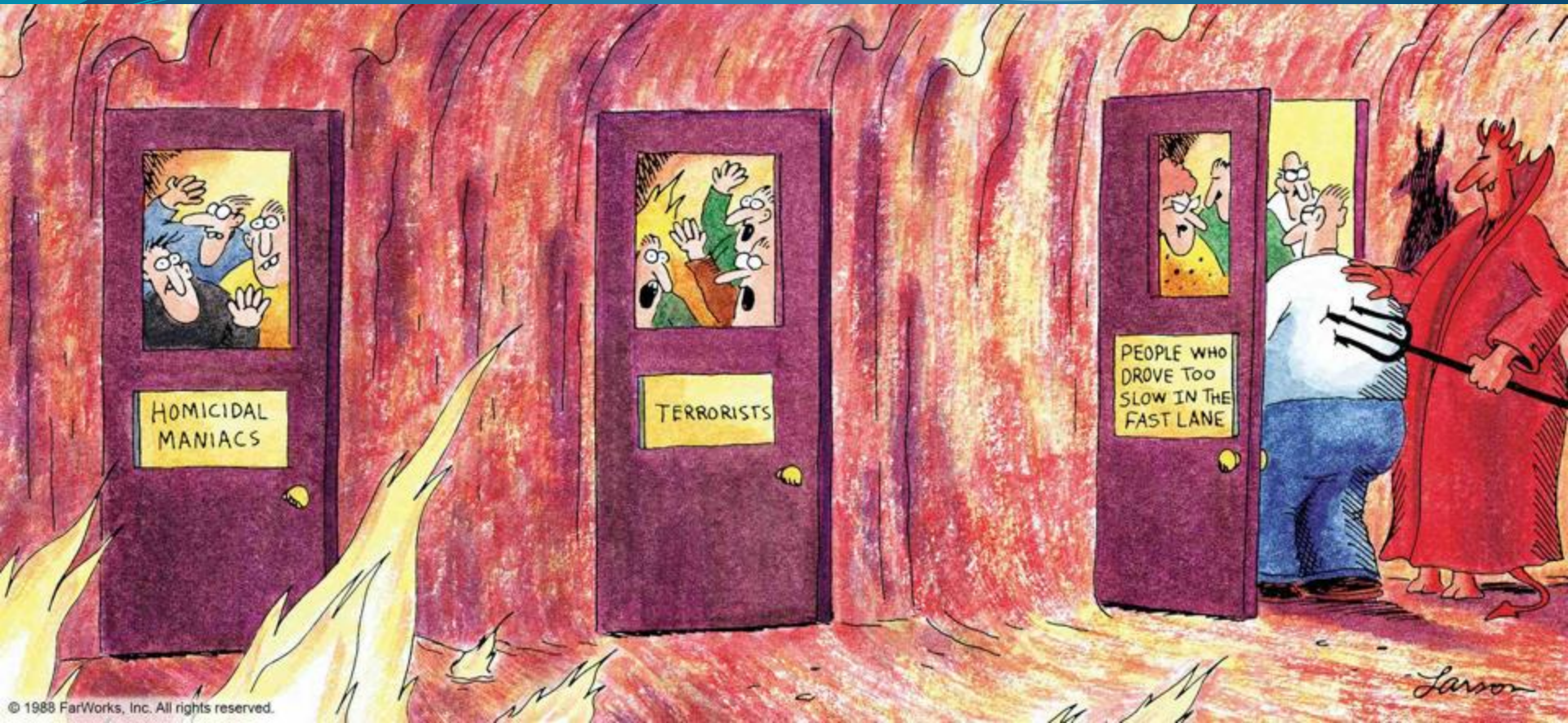
Aaron T. Wolf



Island Press, Fall 2017
Code 4SPIRIT for 20% discount

Lesson 1:

The Four Worlds Within & Without



Write down one or two things that trigger you,
NOT something that evokes trauma.
What is the issue and your position on the issue?

Breakout Exercise

1. When in the breakout room, divide between speaker and listener.
2. Listener chooses a topic and position from their own list.
3. Speaker speaks against listener's topic for 4 minutes as passionately as possible.
4. Listener:
 1. Listens without speaking
 2. Pays attention to what happens in their body
5. Switch roles – new listener chooses new topic and position

Four Worlds Framework: Four Needs and Four Claims

NEEDS FOR:

- Intrapersonal
- Interpersonal
- Groups
- Nations



Spiritual	Harmony
Mental	Values
Emotional	Interests
Physical	Positions

CLAIMS:

Expressions of
needs in
negotiations



Self-actualization

morality,
creativity,
spontaneity,
problem solving,
lack of prejudice,
acceptance of facts

Esteem

self-esteem,
confidence, achievement,
respect of others, respect by others

Love/Belonging

friendship, family, sexual intimacy

Safety

security of body, of employment, of resources,
of morality, of the family, of health, of property

Physiological

breathing, food, water, sex, sleep, homeostasis, excretion

Basic

Human

Needs

**Self-
actualization**

Creativity, Problem solving,
Authenticity, Spontaneity

Esteem

Self-esteem, Confidence, Achievement

Social Needs

Friends, Family

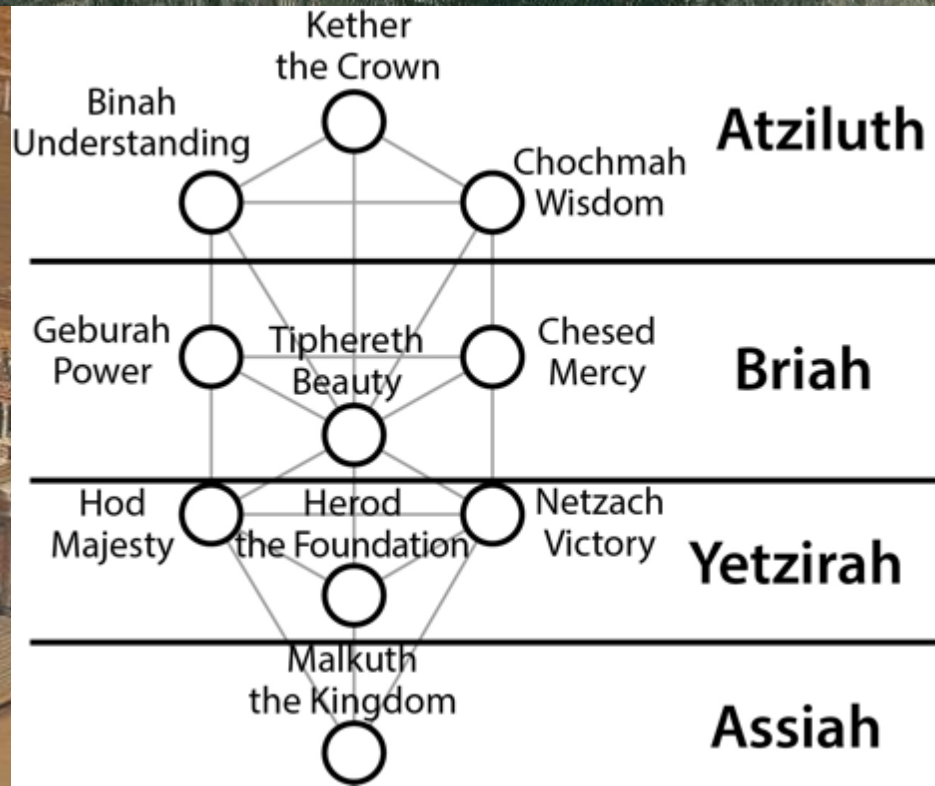
Safety and Security

Physiological Needs (survival)

Air, Shelter, Water, Food

WiFi







Vishnu's 4 totems

- *mace* – physical strength
- *lotus flower* – glory of existence
- *discus* – mind chakra
- *conch* – AUM: primeval sound of all creation



Four Sights:

- Aged: *annika* – impermanence
- Sick: *dukha* – suffering/disconnection
- Dead: *annata* – tenuous link between being and non-being
- Ascetic: spiritual path



4 Elements of the 4 Corners and 4 Quarters



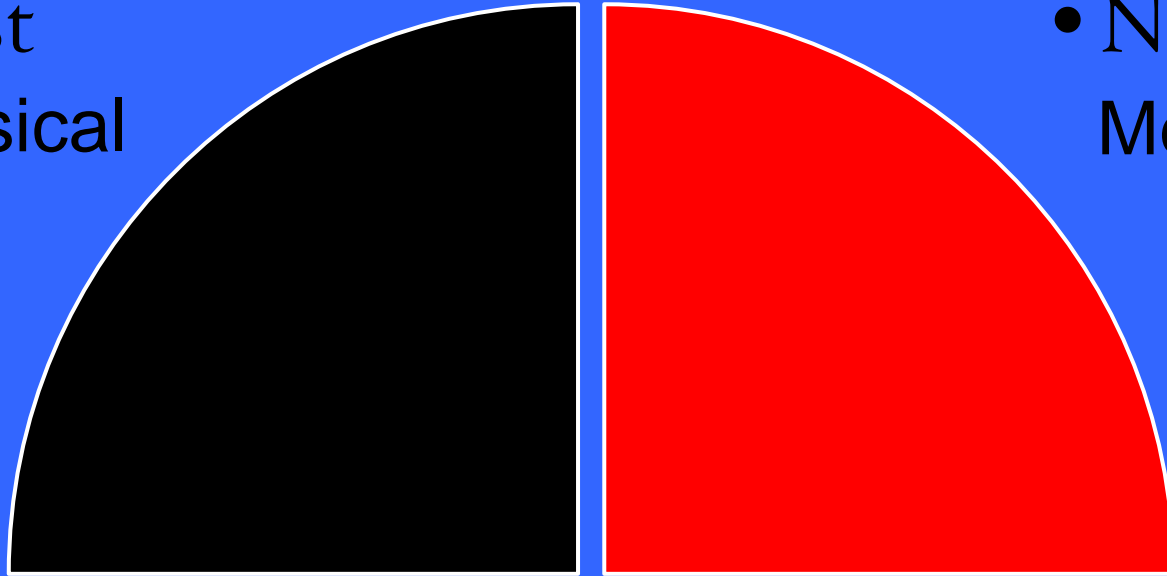
Men

Father sky

Objective

• West
Physical

• North
Mental



Medicine Wheel from
Shoshone-Bannock
and Oglala Lakota
Traditions

Source: Sammy
Matsaw Jr. 2016

• South
Spiritual

• East
Emotional

Women

Mother earth

Subjective

Four Worlds Framework in Islam & Latin American Shamanic Totems

NEEDS FOR:

- Intrapersonal
- Interpersonal
- Groups
- Nations

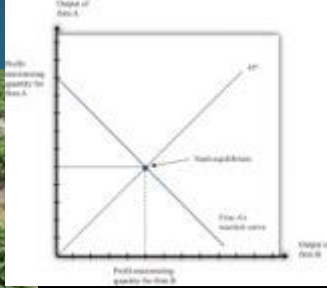


Spiritual	Marifah (attune- ment)	Eagle
Mental	Hakika (truth)	Humming -bird
Emotional	Tarikhah (prayer of the heart)	Jaguar
Physical	Sharia (law)	Serpent

Lesson 2:

“The issue is never the issue.”

Four Worlds in Water:



Mental



Physical



Spiritual



Emotional



Four Worlds Framework: Four Needs and Four Claims

NEEDS FOR:

- Intrapersonal
- Interpersonal
- Groups
- Nations



Spiritual	Harmony
Mental	Values
Emotional	Interests
Physical	Positions

CLAIMS:

Expressions of
needs in
negotiations



Lesson 3

The Spirit of Dialogue: Connecting with the “Other”

- *“If you get stuck on a problem, make it bigger:”*
Elevating the conversation
- *“If you get stuck on a problem, make it smaller:”*
Nuancing the conversation
- *“If you get stuck on a problem, reframe it for shared values.”*
Or’s -> and’s
- *“If you get stuck on a problem, focus on actions.”*
Consent & consensus

Single most important skill for all four: LISTEN!

Breakout Exercise

1. When in the breakout room, choose a sensitive topic with your partner, but NOT one that will evoke trauma.
2. Decide on roles to play on opposite sides of the issue.
3. While in role, find 3 things you can agree to.

You have 3 minutes.

Elevating the Conversation (cont.)



Egyptian Coptic Church tapped to play the role of mediator in Nile River dispute - Al-Monitor: the Pulse of the Middle East

Egyptian Coptic Church tapped to play the role of mediator in Nile River dispute



Coptic Pope Tawadros II (R), head of the Coptic Orthodox Church, shakes hands with former army chief Abdel Fattah al-Sisi upon Sisi's arrival for a visit the night before Easter, in Cairo, April 19, 2014. Sisi was elected president a month later. (photo by REUTERS)

- Hydromet (1961), entirely technical, eventually led to:
- Undugu (1983), and,
- Tecconile (1993) – annual academic meeting, and finally to:
- Nile Basin Initiative







Sudan

Eritrea

Ethiopia

Djibouti

Somalia

**GERD Project Site and
Projected Reservoir Extent**

Roseries Dam
and reservoir

Abay River (Blue Nile)

Gonder

Bahir Dar

Addis Ababa

Mekele

Kassala

Asmara

Khartoum
Omdurman

Sanaa

Lake
Tana

Taizz

Aden

Assab

Djibouti

Berbera

Dire Dawa

Hargeysa

Malakal

Dams and Hydroelectric Schemes

Source: UNEP/DEWA/GRID-Europe 2006

Nile Sub-Basins, Dams and Hydroelectric Schemes



Source: ISM (Sudan Interagency Mapping), FAO, unash@, NIMA, hydro1x, USGS, GONGU Ministry of Water Resources, UN Cartographic Section, various maps and atlases.

Regional Power Development Strategy



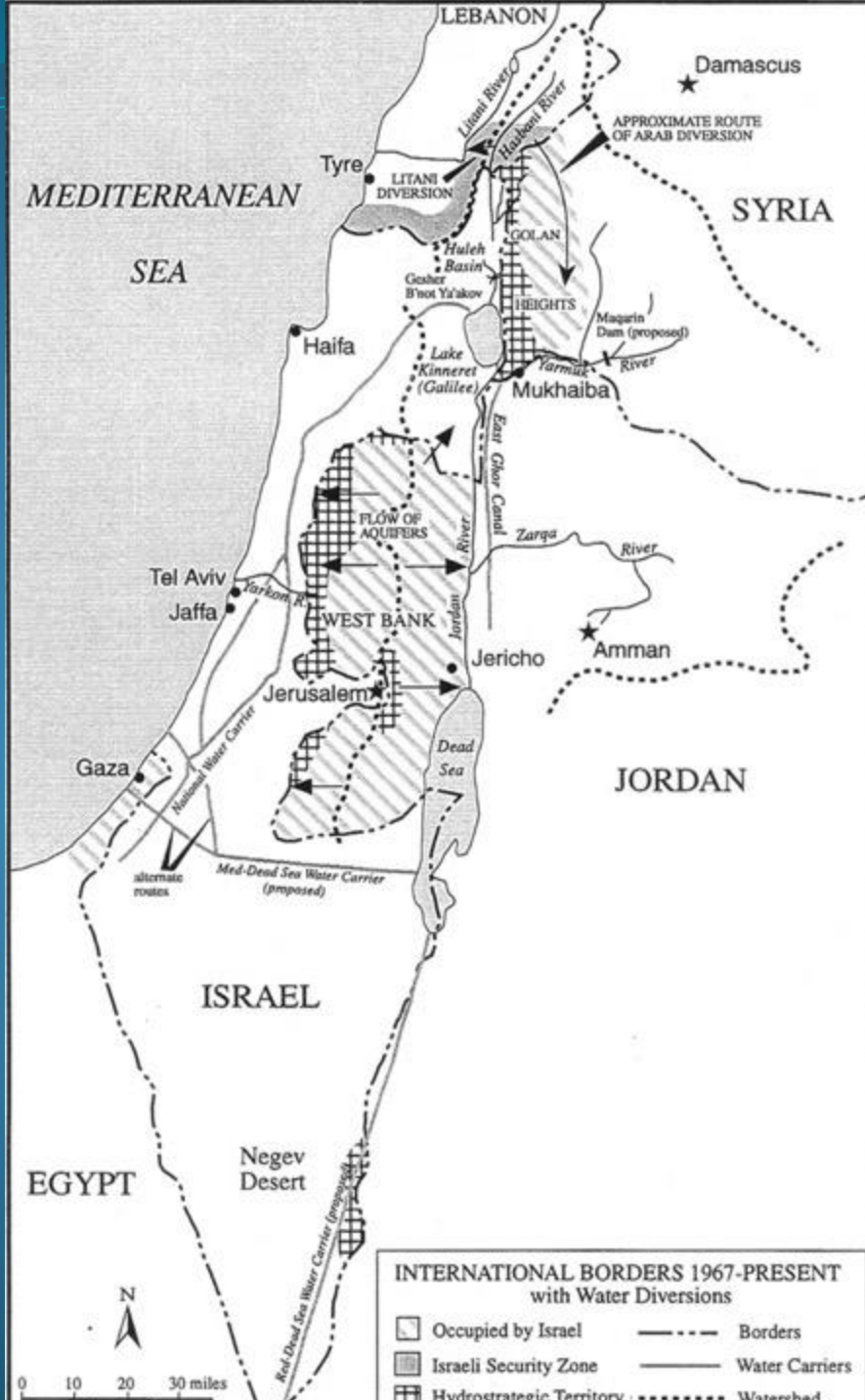
Source: NBI RPTP 2011

Lesson 3:

The Spirit of Dialogue: Connecting with the “Other”

- “If you get stuck on a problem, make it bigger:”
Elevating the conversation
- “*If you get stuck on a problem, make it smaller:*”
Nuancing the conversation
- “If you get stuck on a problem, reframe it for shared values.”
Or’s -> and’s
- “If you get stuck on a problem, focus on actions.”
Consent & consensus

Single most important skill for all four: LISTEN!



EGYPT

Negev Desert

ISRAEL

Gaza

Jerusalem

Tel Aviv
Jaffa

WEST BANK

FLOW OF AQUIFERS

Lake Kinneret (Galilee)

Haifa

Tyre

MEDITERRANEAN SEA

LEBANON

Damascus

SYRIA

APPROXIMATE ROUTE OF ARAB DIVERSION

GOLAN

IBRAHIMIAH

Mukhaiba

Jericho

Amman

JORDAN

Huleh Basin

Geshur B'not Ya'akov

Yarmouk River

Magarin Dam (proposed)

East Ghor Canal

Zarqa River

Jordan River

National Water Carrier

Med-Dead Sea Water Carrier (proposed)

alternate routes

Red-Dead Sea Water Carrier (proposed)

INTERNATIONAL BORDERS 1967-PRESENT with Water Diversions

- ☐ Occupied by Israel
- ▨ Israeli Security Zone
- ▩ Hydrostrategic Territory
- Borders
- Water Carriers
- Watershed





Lesson 4:

The Spirit of Dialogue: Connecting with the “Other”

- “If you get stuck on a problem, make it bigger:”
Elevating the conversation
- “If you get stuck on a problem, make it smaller:”
Nuancing the conversation
- *“If you get stuck on a problem, reframe it for shared values.”*
Or’s -> and’s
- “If you get stuck on a problem, focus on actions.”
Consent & consensus

Single most important skill for all four: LISTEN!





Lesson 5:

The Spirit of Dialogue: Connecting with the “Other”

- “If you get stuck on a problem, make it bigger:”
Elevating the conversation
- “If you get stuck on a problem, make it smaller:”
Nuancing the conversation
- “If you get stuck on a problem, reframe it.”
Or’s -> and’s
- *“If you get stuck on a problem, focus on actions.”*
Consent & consensus

Single most important skill for all four: LISTEN!



Nuancing includes asking the right question: Not, “How do I get more data?” but, “What is the LEAST amount of data needed for a reasonably good decision?”



Four Worlds Framework: Four Needs and Four Claims

NEEDS FOR:

- Intrapersonal
- Interpersonal
- Groups
- Nations



Spiritual	Harmony
Mental	Values
Emotional	Interests
Physical	Positions

CLAIMS:
Expressions
of needs in
negotiations



“If you get stuck on a problem,
make it bigger.”

- *Elevating the conversation*

“If you get stuck on a problem,
make it smaller.”

- *Nuancing the conversation*

“If you get stuck on a problem,
reframe it.”

- *Or's -> and's*

“If you get stuck on a problem,
focus on actions.”

- *Consent & consensus*

Single most important skill for all
four: LISTEN!

Listening

- Active Listening
 - Paying Attention
 - Eliciting
 - Reflecting
- Transformative Listening
 - Space
 - Tracking
 - Offer without insisting
 - Check for completeness
- Most will listen once listened to
- Transformation dissipates anger, allows for empathy
- Helps understand interests behind positions (anger masks pain or vulnerability)

Sh'ma: Hear!

*Silence illuminates our
souls,
whispers to our hearts,
and brings them together.*

-- Kahlil Gibran

“Being listened to is so close
to being loved that most
people cannot tell the
difference.”

-- David Augsburg, Jr.,
Mennonite theologian, Fuller
Theological Seminary

If you wish to be understood,
seek first to understand.

-- Stephen Covey

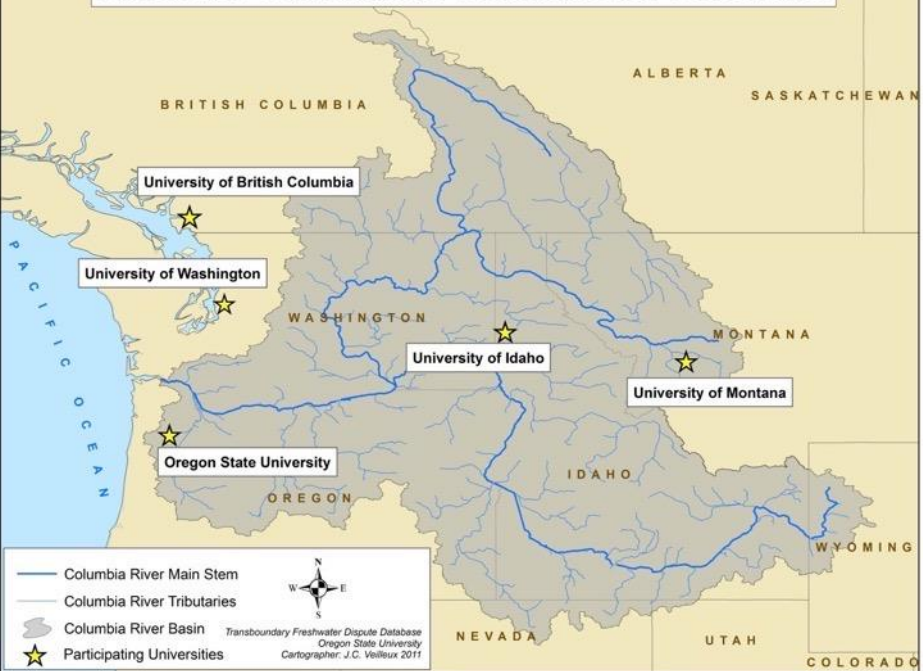


LESSON 5:

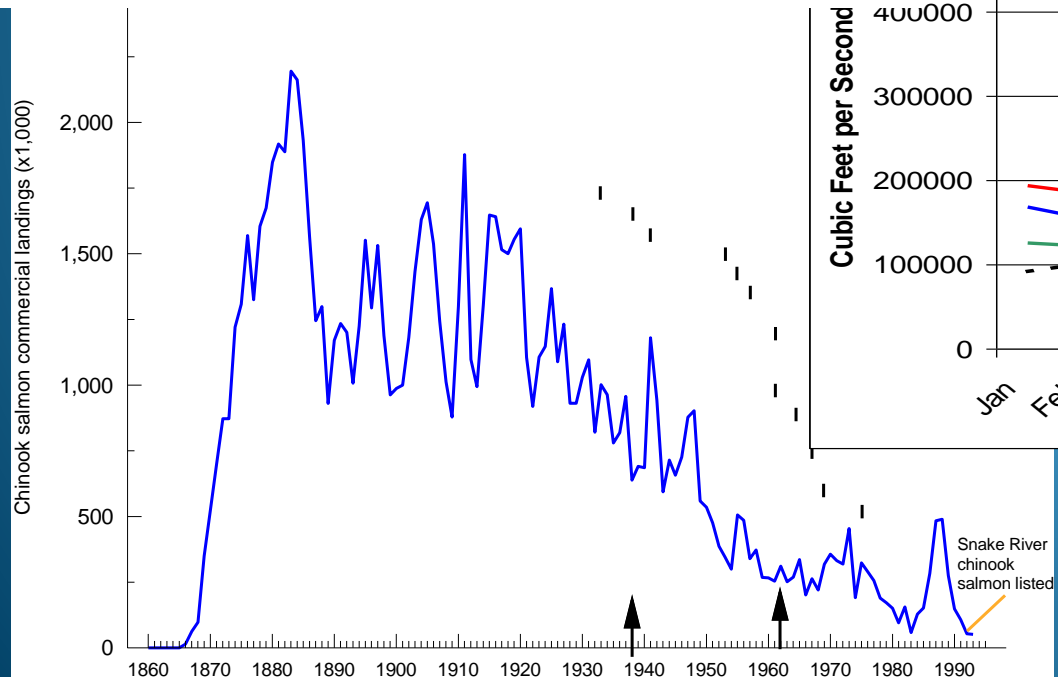
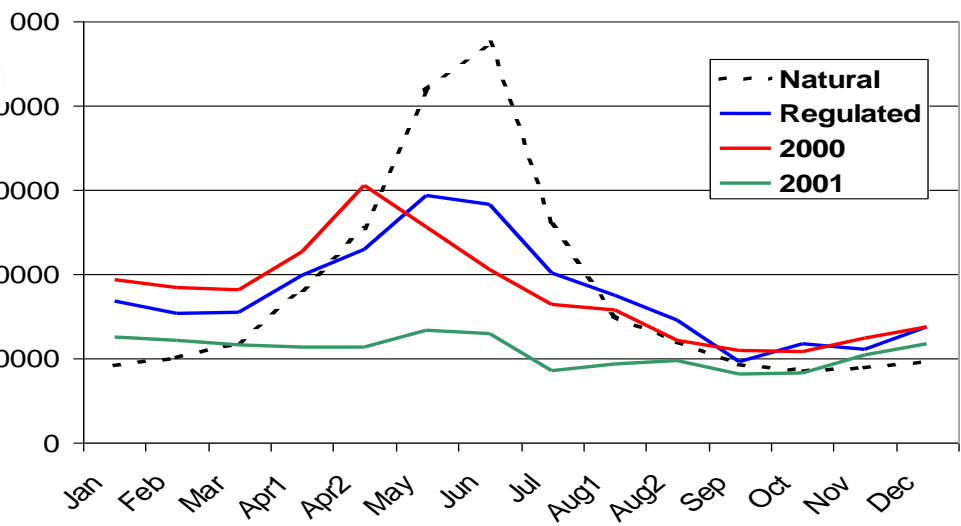
Don't forget the spirit –
and fun! – of water:

Elevating the
conversation

Universities Consortium for Columbia Basin Governance



2000 & 2001 Flows at The Dalles -- compared to average





River Festivals



We drink it. They live in it.
We all rely on it.

An underwater scene showing a crocodile swimming towards the camera. In the foreground, a large, brown, feathery object, possibly a bird's tail or a piece of debris, is partially submerged. The water is clear and blue.

Photo: iStock.com/aleksey-aleev, getimages.net/17148420

#DefendWater


alabamariversalliance



River Festivals



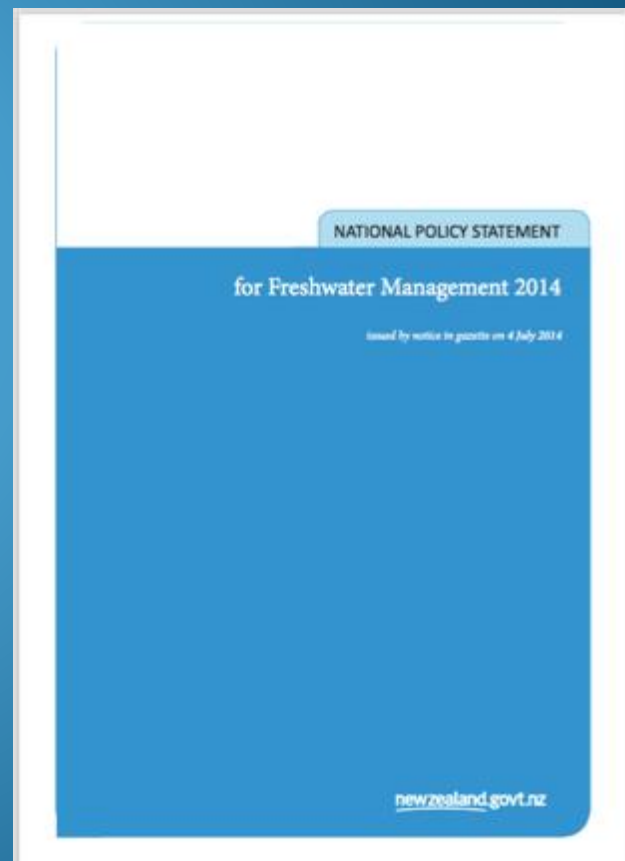
THE NILE PROJECT



New Directions: Spiritual Aspect of Water

All things in the natural world have *mauri* (life force) and *wairua* (a spiritual dimension). Respect for the spiritual integrity of the environment and the *atua* (God) that created it will ensure that the *taonga* (treasure) can be protected and passed on to succeeding generations.

*NEW ZEALAND NATIONAL POLICY STATEMENT
for Freshwater Management 2014*



Course Co-Creation

- Overview
- Example: Brief wetlands module
- Discussion: Course for WiWD
- Survey



Oregon State
University



**Advancing Women in Water Diplomacy Global Strategy Pillar 2:
Peer-to-peer learning, capacity development and experience exchange**

Activity 6: Develop a specialized accredited water diplomacy training course for Network members offered recurrently to all members.

Concept Note for discussion with Oregon State University and partners | Draft July 2023

In August 2022, the Women in Water Diplomacy Network launched the '[A Path Forward for Women, Water, Peace and Security](#)' Global Strategy at the World Water Week. The Global Strategy is built around Five Strategic Pillars harmonizing prioritized actions across the growing global Network to advance the Network's overarching objective to **improve gender equality in high-level decision making in transboundary basins with focus on women's leadership in regional dialogues around shared waters - with resultant positive implications for regional peace and human security.**



Strategic Pillar 2 aims to '*Support peer-to-peer learning, capacity development and experience exchange across the Network; enhancing knowledge, coordination, and trust-building among Network members.*' Activity 6 specifically called for the development of '*a specialized accredited water diplomacy training course for Network members offered recurrently to all members.*' As indicated throughout the Global Strategy's consultation process the launch of an accredited course is one of the most sought after prioritized engagements identified by Network members.

In support of the Global Strategy's overarching objectives, the accredited water diplomacy course specifically aims to:

- Provide a baseline shared understanding of key principles and tools of water diplomacy for all Network Members. Specifically supporting Network Members to enhance skills related to the facilitation of water diplomacy, conflict resolution, public participation, strategic planning, finance administration, and public policy and law;
- Enable inter-basin exchange and dialogue about the key principles of water diplomacy among Network Members from different parts of the world;
- Provide demonstrated accredited documentation of professional efforts to further skill sets in water diplomacy engagements;
- Inspire and support continued education amongst Network Members;

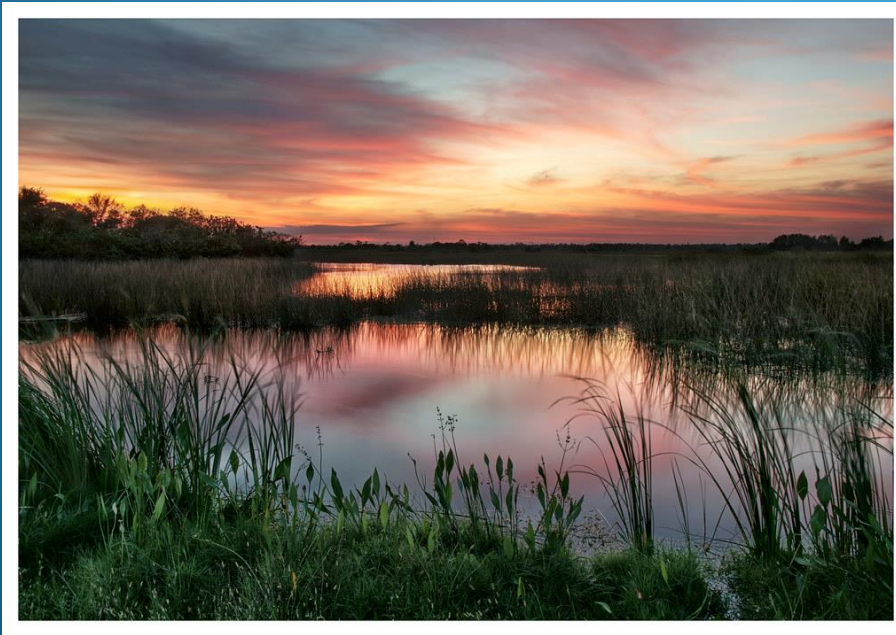
In order to meet the identified objectives of the Women in Water Diplomacy Network's accredited course activity, the Network has sought to collaborate with sector leaders such as Oregon State University (OSU) and the IHE Delft Institute for Water Education in the design and launch of a special edition of their joint education program in Water Cooperation and Diplomacy geared specifically towards Women in Water Diplomacy Network members.

Wetlands



Benefits of Wetlands

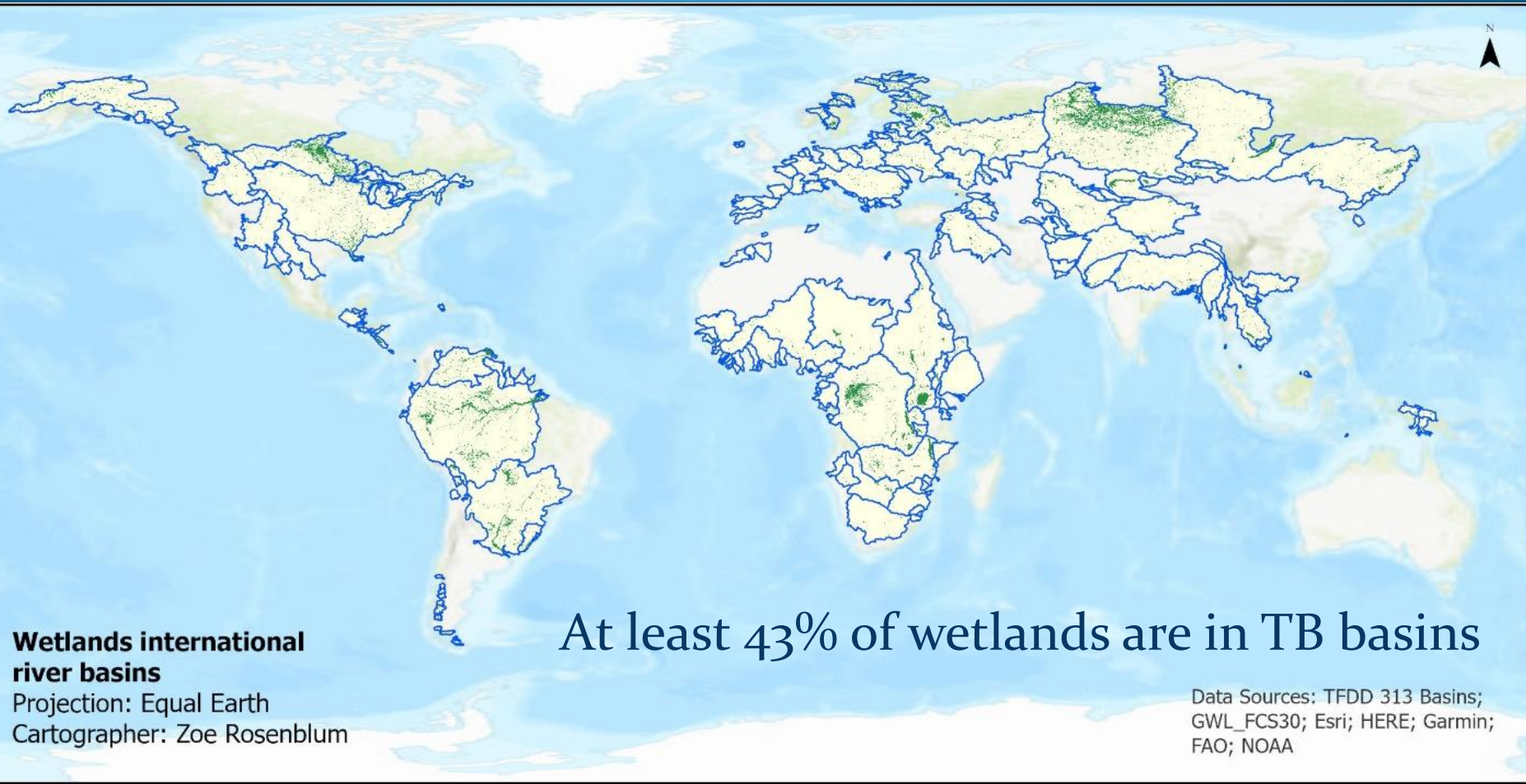
Culture | Habitat | Food & Fuel | Aesthetics | Recreation | Biodiversity
Flood Protection | Carbon Sequestration | Water Purification | Climate



*Wetlands are one
of the most
productive
habitats on Earth
(Keddy, 2010)*

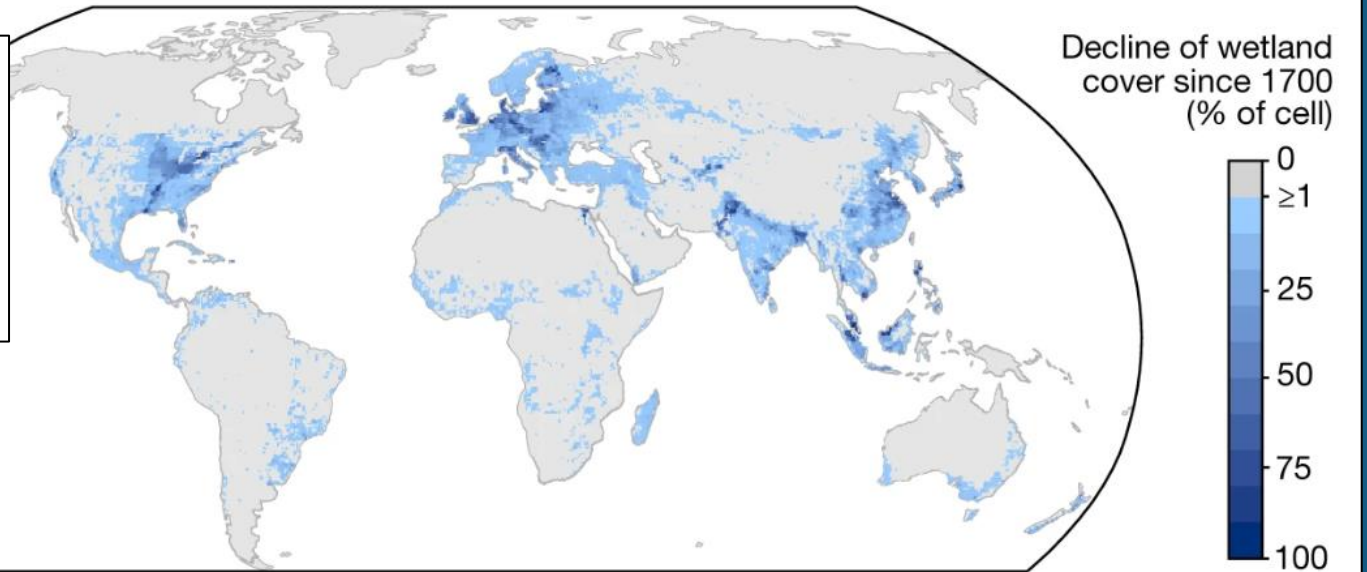
Source: <https://flic.kr/p/21hTJP7>

Wetlands in Transboundary Basins



Global Wetland Loss

87% of the world's wetlands have been lost since the 1700s
(Davidson, 2014)



Fluet-Chuinnard et al., 2023

Why are wetlands destroyed?



Source: <https://flic.kr/p/21hTJP7>

Can you think of a specific wetland that was destroyed and why?

Challenges

- Murky definitions
- Different regulations across political borders
- Competing priorities
- Knowledge/valuation of wetland ecosystem services



Reflect and Discuss

- What wetlands do you know of in your basin?
 - If you have visited any, share what it's like and how you feel while you are there.
- Does your country have a national wetland policy?
- How does your country interact with wetlands?



WiWD eCourse Co-Creation

Objectives:

- Shared understanding of key water diplomacy principles & tools
- Enhanced skills in facilitation, conflict resolution, public participation, public policy and law
- Enable inter-basin exchange about key principles of water diplomacy
- Provide accredited documentation of professional efforts to further skill sets in water diplomacy
- Inspire and support continued education

Sample Course Modules

Module 1: Introduction to Hydropolitics and Conflict Transformation

General Setting: Introduction to Hydropolitics

Conflict and Cooperation: The Challenge of Shared Waters

Stages of Water Conflict Transformation

Basic Definitions

Module 2: Initial State – Basins and Boundaries

Overview

General Setting

Intra- and Interpersonal Conflict

Conflicts Within & Without

Module 3: Changing Perceptions – Basins without Boundaries

Overview

General Setting: The Reflexive Stage of Dialogue

Interpersonal Conflict: Taking the Boundaries off the Map

Active, Transformative, and Intercultural Listening

Reframing for Shared Values

Module 4: Enhancing and Sharing Benefits

Overview

General Setting: The Integrative Stage of Dialogue

Designing Group Processes

Facilitating and Participating

Module 5: Putting Borders Back on the Map

Institutions & Change

Negotiation Dynamics

Process Techniques

Module 6: Using the Framework

Performance Criteria

Guidelines for Going Home

Women in Water Diplomacy

- Transboundary water governance processes dominated by men (Bailli and Earle, 2013; IUCN, 2017)
- From 1990-2017 in all major peace processes, women constituted:
 - 2% of mediators
 - 8% of negotiators
 - 5% of witnesses

WiWD: Recommendations from WIN

- Enable policies & frameworks for gender inclusion
- Education reforms to support girls in STEM
- Male champions
- Workplace policies & trainings
- Increase research to support gender equity in TB basins
- On-going capacity building
 - Share experiences
 - Build water diplomacy skills
 - Improve practices in own countries
 - Share knowledge across basins

Discussion: Course for WiWD

This is an opportunity for each of us to shape the design of a course specifically for the WiWD Network.

Small-group discussion (10-minutes):

- In this training, I would want...
- I want to learn about...
- I want to share...
- I hope they don't...
- - and, anything else you'd like to discuss and share.

Discuss and feel free to write notes. Then, we'll re-group and share.

Survey

“The survey is designed to glean information on the current level of water diplomacy experience of the Network Members. The results of the survey will be used to develop a Water Cooperation Skills-Building Course specifically designed to meet the needs and wants of the WiWD Network Members. The course will be developed in partnership between the WiWD Network, ELI, IHE-Delft, OSU, and SIWI.”

<https://beav.es/cci>

