### Water Conflict Management & Transformation

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&

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Program in Water Conflict Management Oregon State University, USA

Montana Lakes Conference, Whitefish, MT October 18, 2023

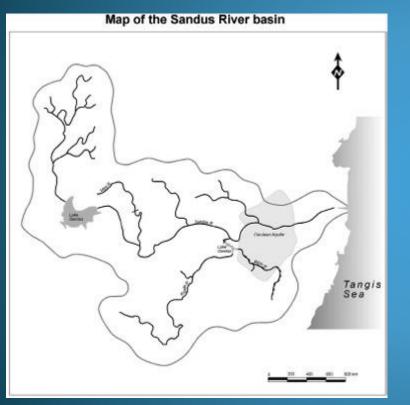


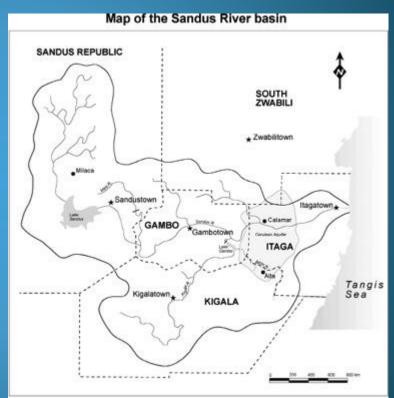
WWW.TRANSBOUNDARYWATERS.ORST.EDU





# What *is* Water Conflict Management & Transformation??





What changes when a border is present? What capacity do we need to address the change?

### What *is* Water Conflict Management & Transformation??







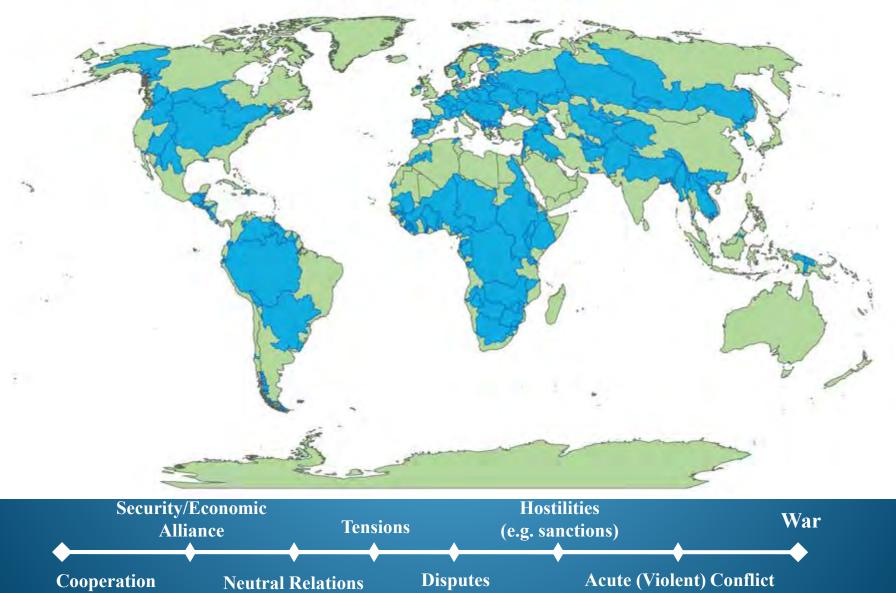
What changes when a border is present? What capacity do we need to address the change?

# Water and Conflict

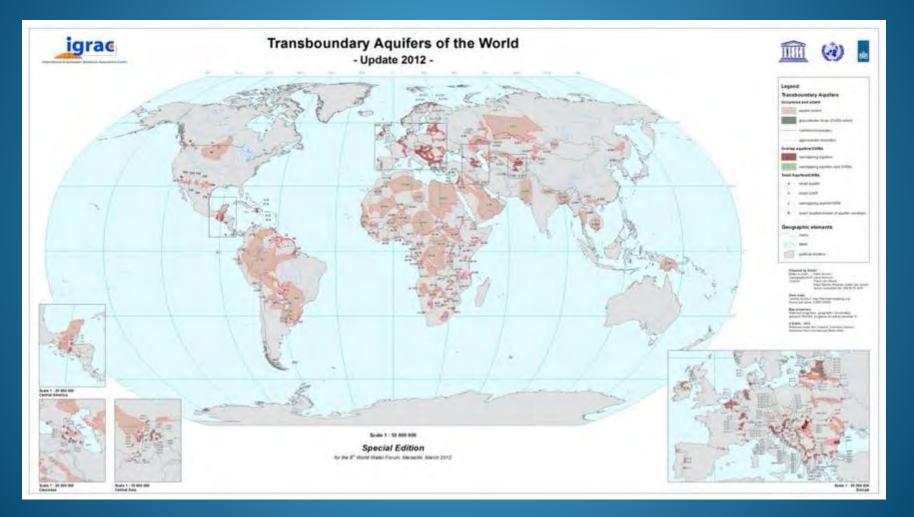
"Fierce competition for fresh water may well become a source of conflict and wars in the future."

- Kofi Annan, March 2001

### Scale of Conflict



# Transboundary Aquifers of the World



### Water Conflict & Cooperation: Assumptions & Evidence

### **PREVAILING WISDOM:**

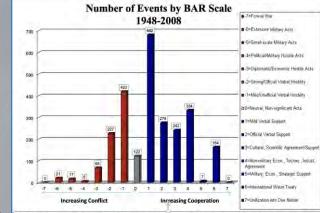
"Conflicts over water are widespread, inevitable, intractable, and violent."

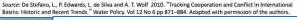
### **EVIDENCE**:

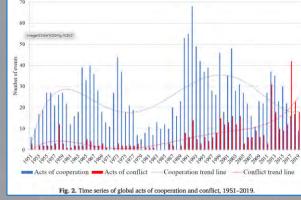
- At the international scale:
  - 2/3% of interactions are cooperative
  - "Conflict" is mostly verbal (press and politicians)
  - 800 water-related treaties, generally adhered to, even through conflict

### BUT

- Disputes seem to be increasing
- Not all cooperation is "good"
- Likelihood & intensity of conflict increases at sub-national level

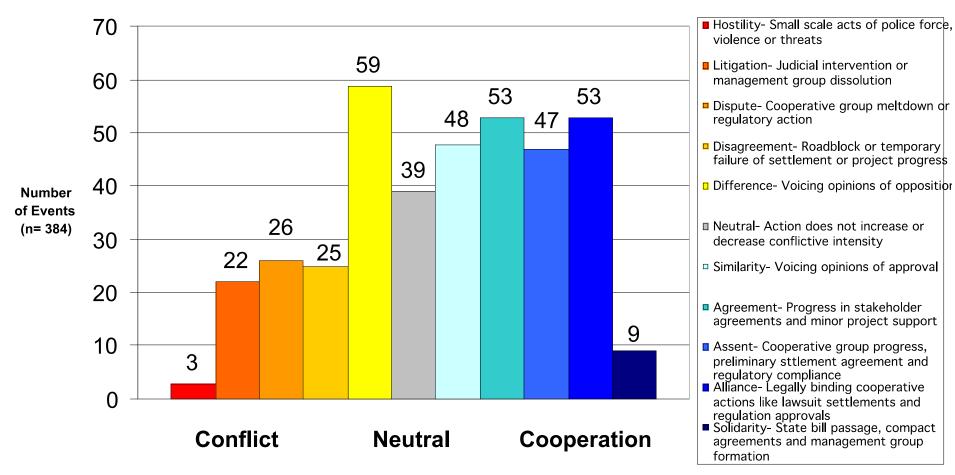






*Source:* Kåresdotter, E. et al. (2023) Water-related conflict and cooperation events worldwide. <u>Science of the Total Environment</u>, 868.

# Number of Media Reported Events in Oregon along a Cooperation- Conflict Spectrum from 1990 to 2004



Source: Fesler, K. (2006) [Analysis of social interactions concerning Oregon's water resources between 1990 and 2004.] Unpublished Data.

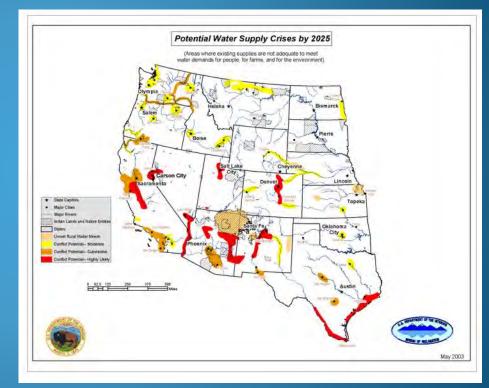
Capacity Building: Process Tools For Water Conflict Management & Transformation

### Lesson 1:

# "Process is everything."

### 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?



# 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

#### Water Management as a Peace Mechanism

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

**RESEARCH SUMMARY** 

Military Engineering Centre of Expertise

### 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** 



**Diplomacy, Development, Defense** 

31 July 2012



Philip Huizinga

Delft University of Technology

erlands, Delft, October 2015



# Who's thinking about this?

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

Transboundary Cooperation and Hydropower

# RECLAMATION Managing Water in the West

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

#### Instructor Manual

Vientiane, Laos, 22-24 July 2014



Documentation

Development

Training of Trainers on

Delft University of Technology

Military Engineering Centre of Expertise

#### Nater 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

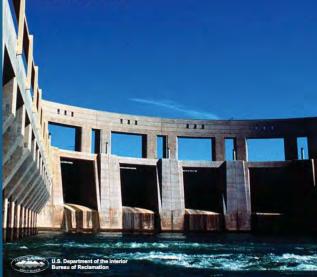


### Collaborative Competencies 2006-2008

### RECLAMATION Managing Water in the West

#### Managing for Excellence

**Concluding Report** 



"Reclamation has modified position descriptions for all of its employees to address collaborative competency requirements for each individual position. The Commissioner has communicated...with all employees regarding the expectation of collaboration in all Reclamation activities, providing examples of successful practices. Further, individual development plan templates have been established which include training plans for employees on

collaborative competencies ... "

### Lesson 2:

# "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

Source: Fisher R. and W. Ury. GETTING TO YES. NY: Penguin, 1981.

### **PROCESS TECHNIQUES**

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



### The Spirit of Dialogue

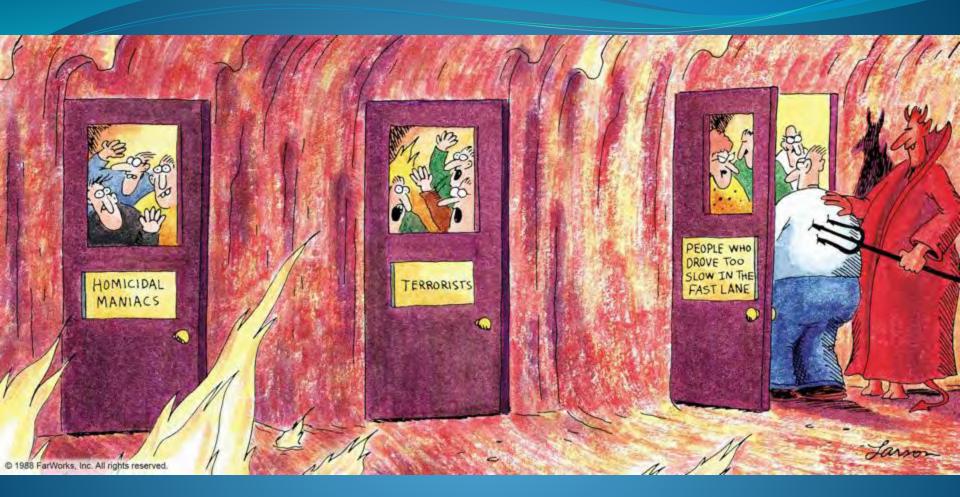
Lessons from Faith Traditions in Transforming Conflict

Aaron T. Wolf



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

# 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

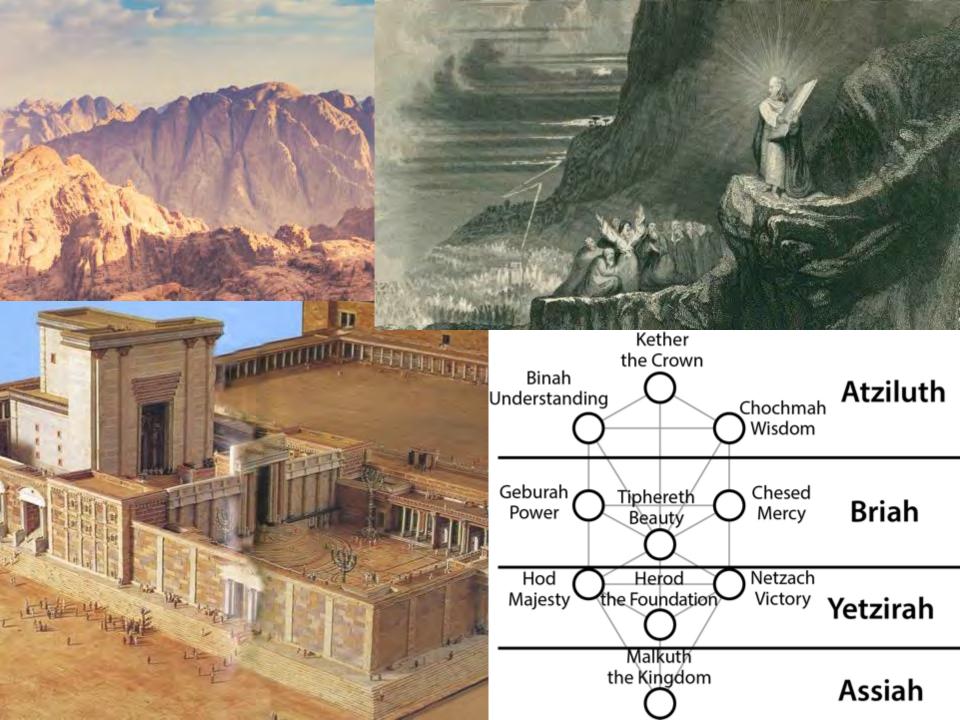
<ul><li>NEEDS FOR:</li><li>Intrapersonal</li><li>Interpersonal</li></ul>	Spiritual	Harmony
<ul> <li>Groups</li> <li>Nations</li> </ul>	Mental	Values
	Emotional	Interests
	Physical	Positions

CLAIMS: Expressions of needs in negotiations



Self-actualization	morality, creativity, spontaneity, problem solving, lack of prejudice, acceptance of facts
oon dotadization	self-esteem,
	confidence, achievement,
Esteem	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







### Vishnu's 4 totems

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

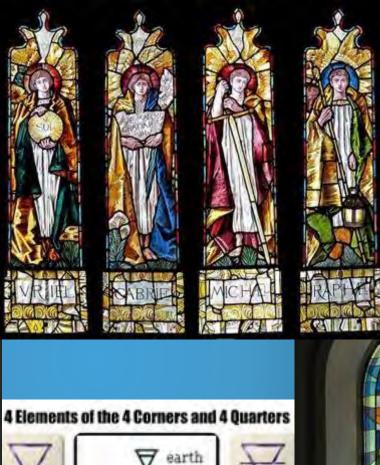


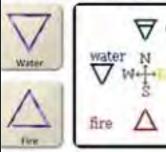
### Four Sights:

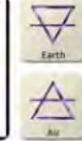
- Aged: *annika* impermanence
- Sick: *dukha* suffering/disconnection
- Dead: annata tenuous link between being and non-being
- Ascetic: spiritual path



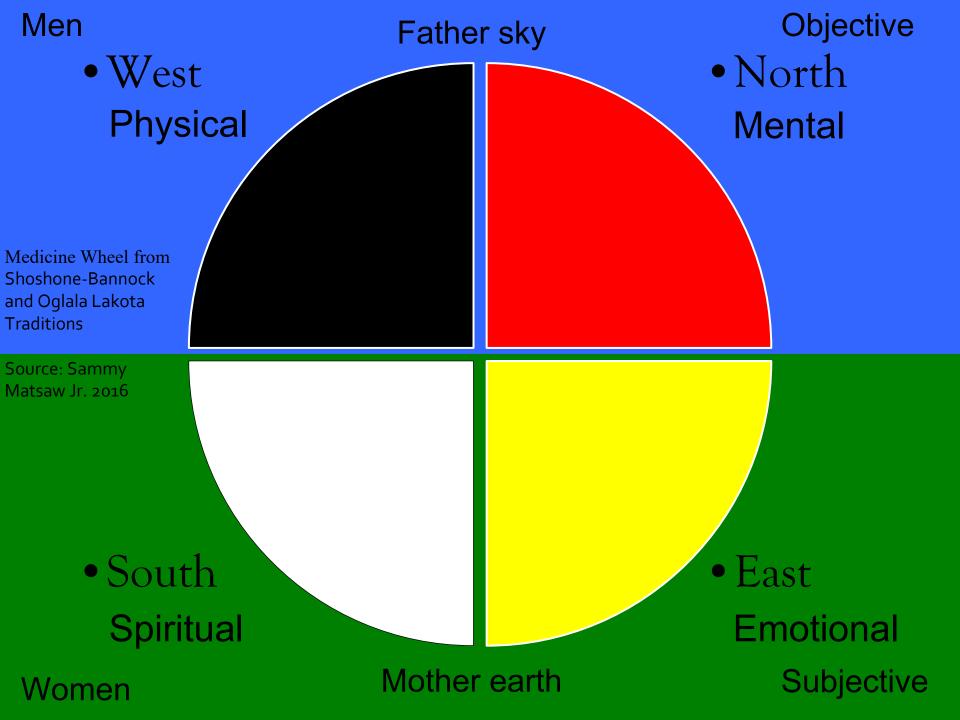












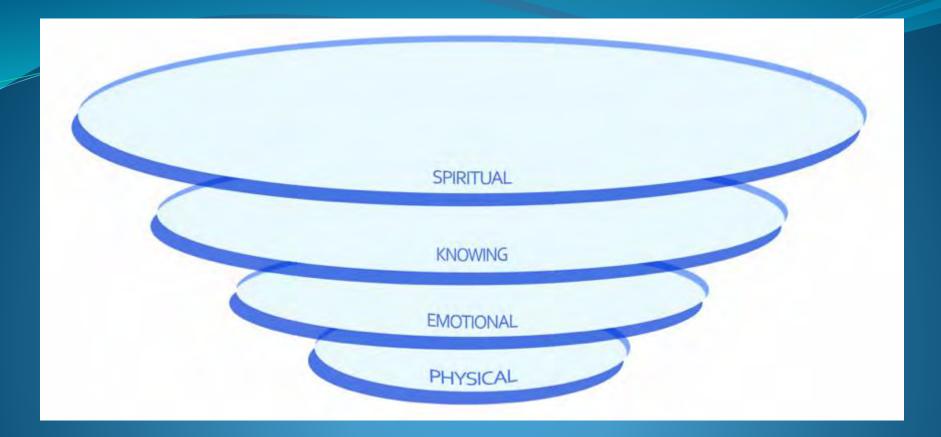
# Four Worlds Framework in Islam & Latin American Shamanic Totems

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

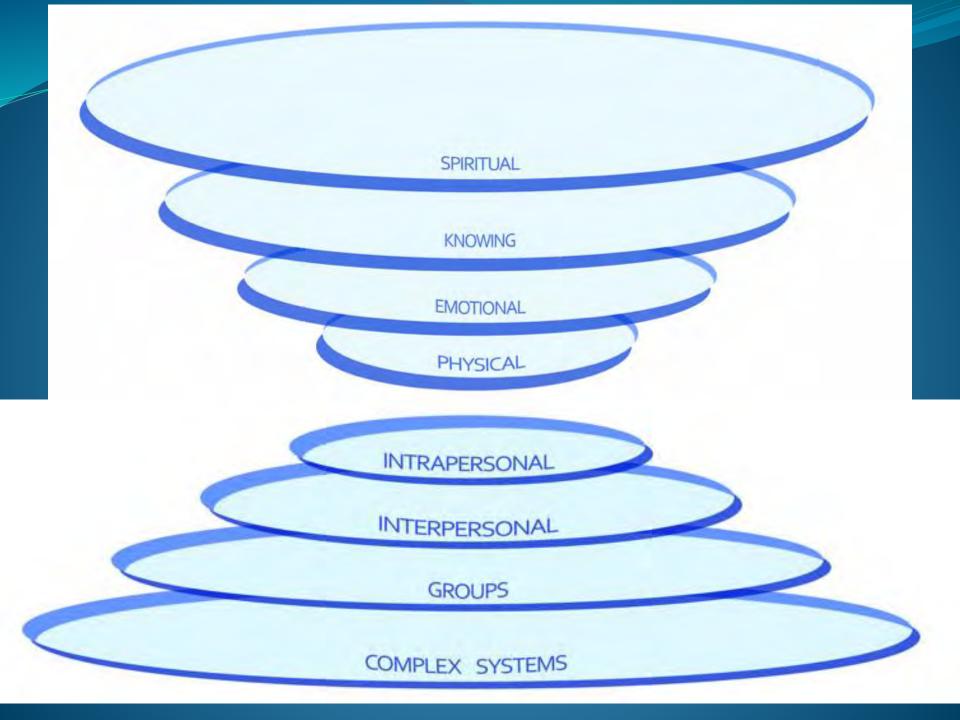
### NEEDS FOR:

- Intrapersonal
- Interpersonal
- Groups
- Nations









# Four Worlds Framework: Four Needs and Four Claims

<ul><li>NEEDS FOR:</li><li>Intrapersonal</li><li>Interpersonal</li></ul>	Spiritual	Harmony
<ul> <li>Groups</li> <li>Nations</li> </ul>	Mental	Values
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CLAIMS: Expressions of needs in negotiations

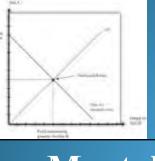


## Water??

# "The issue is never the issue."

### Four Worlds in Water:





Mental

### Physical



### Spiritual

### **Emotional**



## Lesson 2 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 is smaller:" Nuancing the conversation
- "If you get stuck on a problem, reframe for shared values."

Or's -> and's

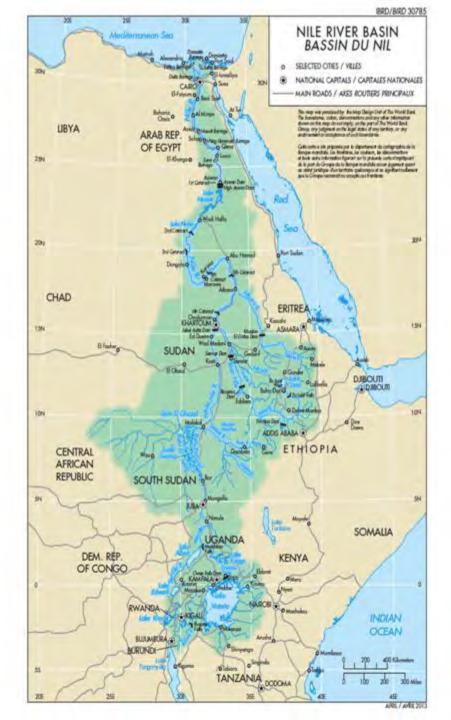
 "If you get stuck on a problem, focus on actions." Consent & consensus

Single most important skill for all four: LISTEN!

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

• Nile Basin Initiative





#### Annex on Article 14(b) to be resolved by the Nile River Basin Commission within six months of its establishment

At the end of the negotiations, no consensus was reached on Article 14(b) which reads as follows: not to significantly affect the water security of any other Nile Basin State, all countries agreed to this proposal except Egypt and Sudan.

Egypt proposed that Article 14(b) should be replaced by the following wording:

(b) not to adversely affect the water security and current uses and rights of any other Nile Basin State.

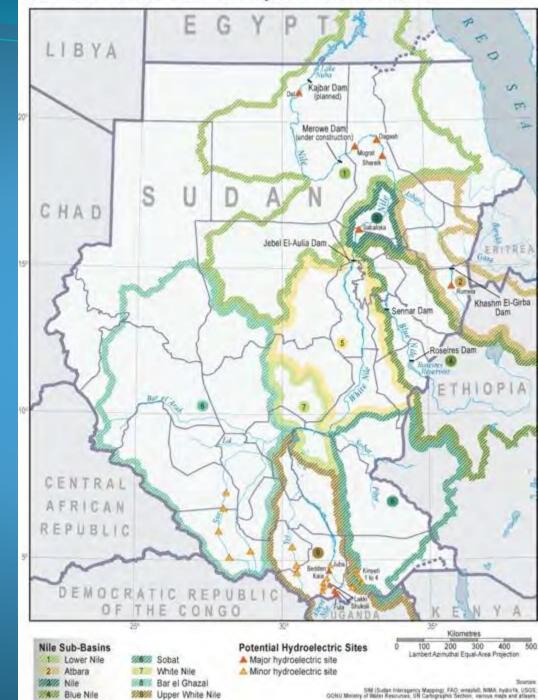




### Dams and Hydroelectric Schemes

Source: UNEP/DEWA/GRID-Europe 2006

#### Nile Sub-Basins, Dams and Hydroelectric Schemes



Regional Power Development Strategy

Source: NBI RPTP 2011



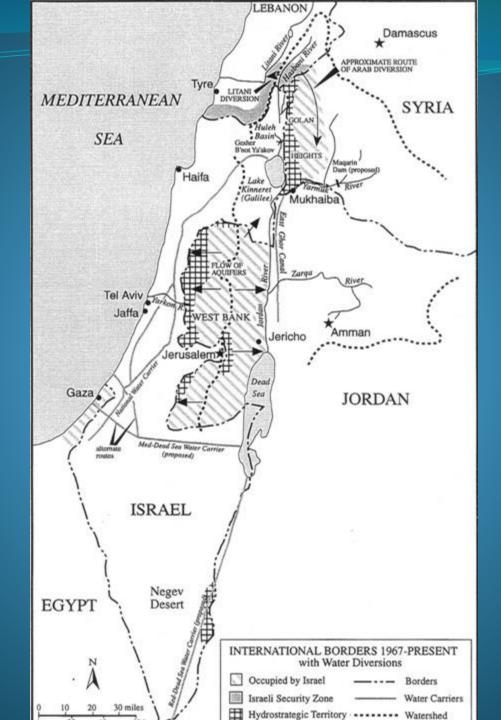
### Lesson 3: The Spirit of Dialogue: Connecting with the "Other"

- "If you get stuck on a problem, make it bigger:" Elevating the conversation
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 "If you get stuck on a problem, focus on actions." Consent & consensus

Single most important skill for all four: LISTEN!





### Breakout Exercise

- 1. When Israel and Jordan negotiated their borders, both sides wanted a small strip of farmland along the Yarmuk River.
- 2. It had been Jordananian from 1948-1967, then Israelis had farmed it until peace talks started in the early 1990s.
- 3. In breakout, divide roles -- one Jordanian and one Israeli.
- 4. Solve the issue.

You have 3 minutes.







### Lesson 4: The Spirit of Dialogue: Connecting with the "Other"

- "If you get stuck on a problem, make it bigger:" Elevating the conversation
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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
  - Body Language
  - Separate out cultural, personal differences
- •Eliciting

• *Ask.* Ask (non-threatening) questions. Useful both to better understand the speaker, and also to reassure them that you are really listening;

•Reflecting

• *Repeat main points.* This lets the speaker know that they have really been heard, a powerful psychological message, as well as helping to focus the dialogue;

- "I" not "you" statements.
- Future, not history.

# 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)



### 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.

### 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 is smaller:" Nuancing the conversation
- "If you get stuck on a problem, reframe for shared values."

Or's -> and's

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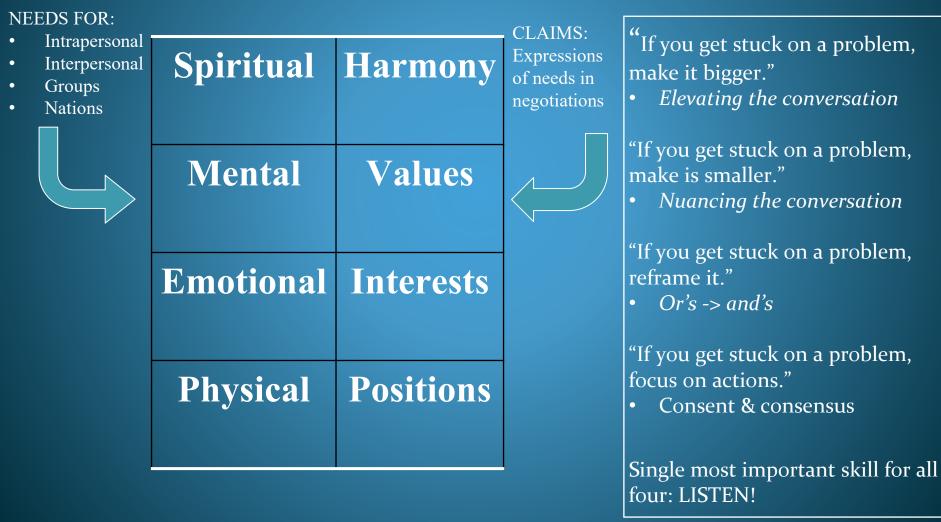
Single most important skill for all four: LISTEN!



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





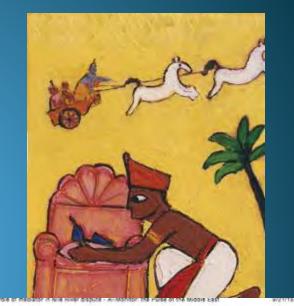
LESSON 6: Don't forget the spirit – and fun! – of water: Elevating the conversation

### "New" Directions - Spiritual Aspect of Water

- Whanganui River has legal personhood in in NZ, must be treated as living entity; settlement gives standing
   2 guardians -- one from the Whanganui Iwi (Maori) trust and one from the crown
- Ganges and Yamuna Rivers in India also received personhood, citing NZ, with three guardians
- Implications for water diplomacy?

# Elevating the Conversation (cont.)

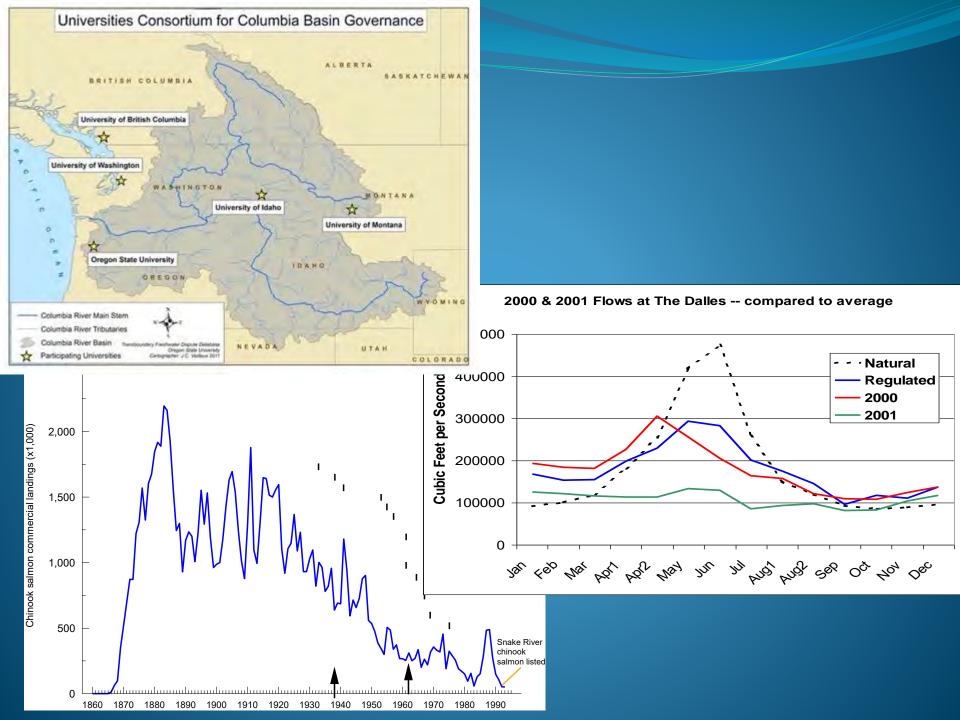
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Egyptian Coptic Church tapped to play the role of mediator in Nile River dispute



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)





### **River Festivals**

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

### #DefendWater

11 🕕 alabamariversalliance





### **River Festivals**



### 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 NATIONAL POLICY STATEMENT

for Freshwater Management 2014

mand by motion in primers on 4 July 2014

newzealand govt nz

# Thank you!

