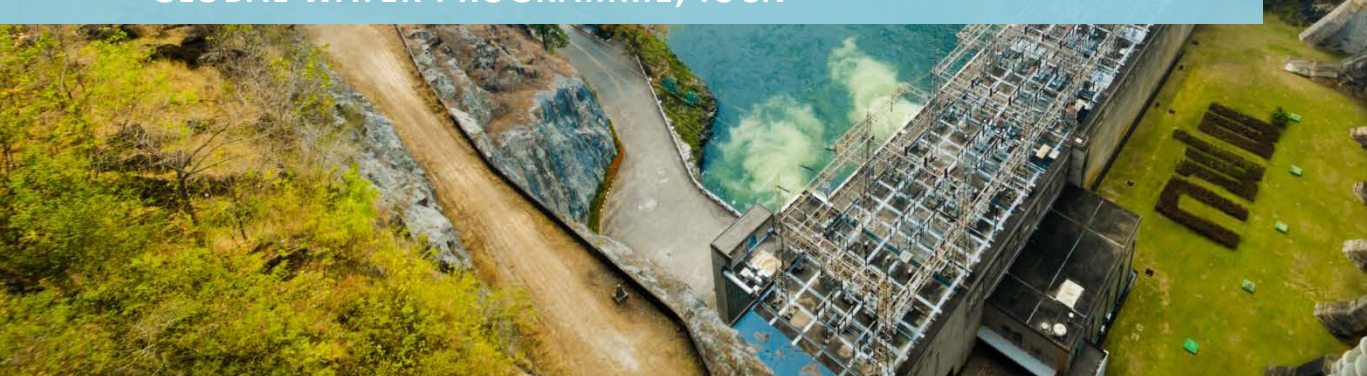
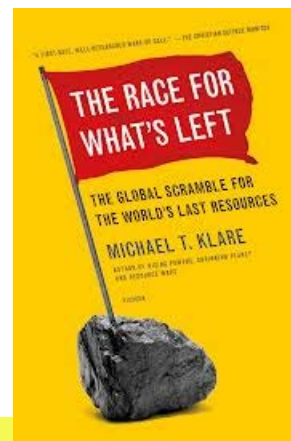
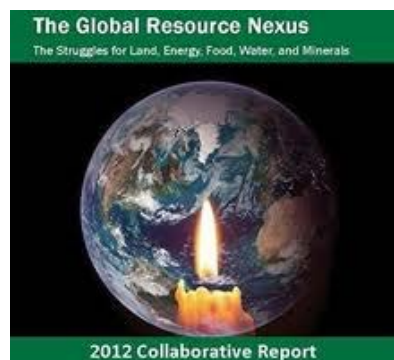
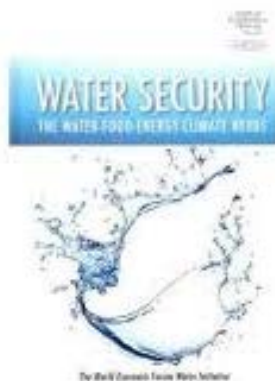
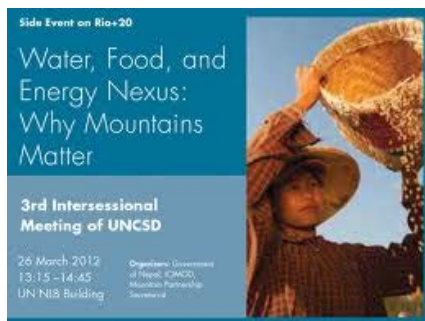


# Learning from the Global Nexus Dialogue on Infrastructure Solutions

JAMES DALTON, COORDINATOR, GLOBAL INITIATIVES,  
GLOBAL WATER PROGRAMME, IUCN

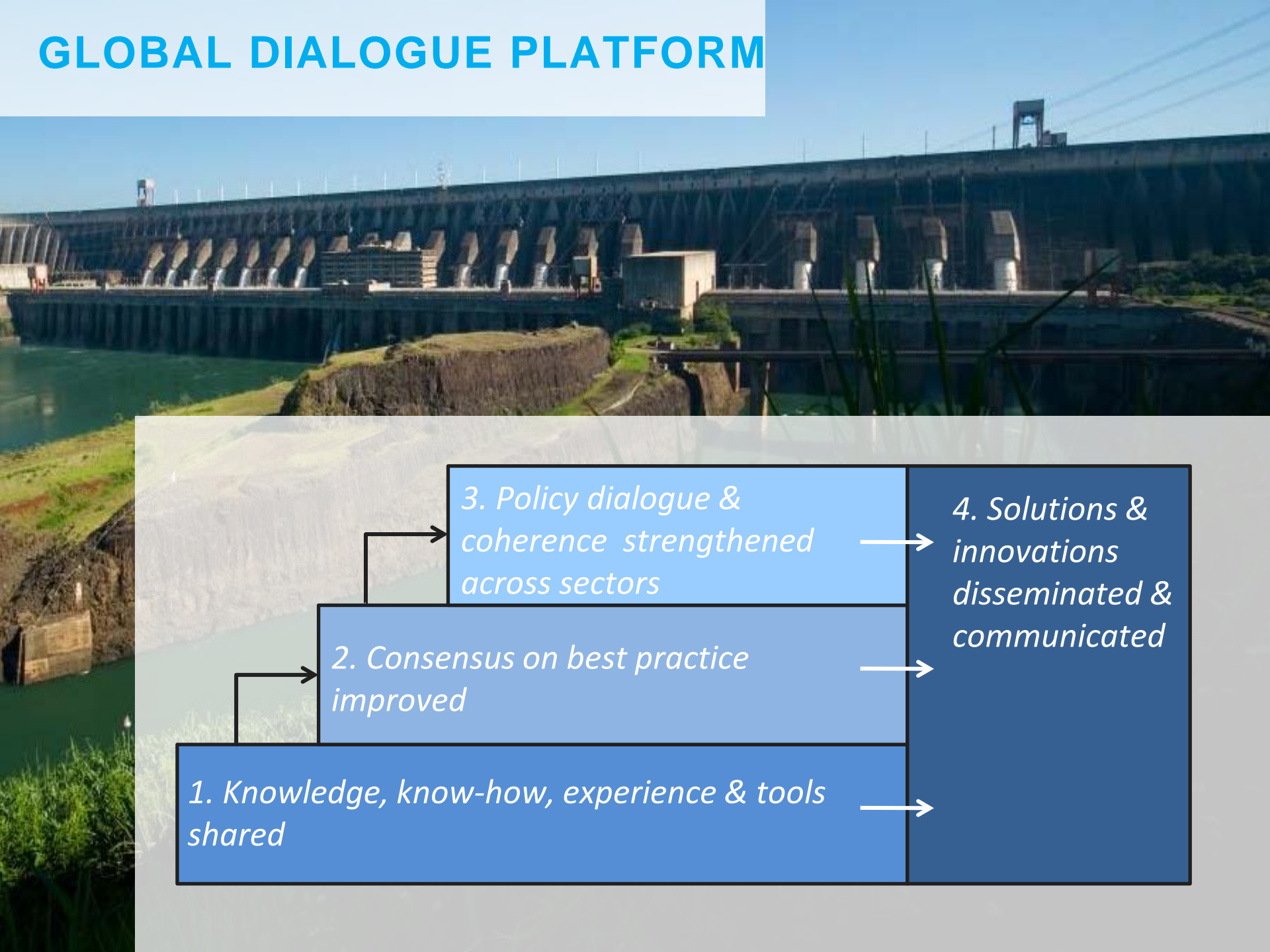


# Nexus @ Forefront of Policy & Scientific Debate





# GLOBAL DIALOGUE PLATFORM



*1. Knowledge, know-how, experience & tools shared*

*2. Consensus on best practice improved*

*3. Policy dialogue & coherence strengthened across sectors*

*4. Solutions & innovations disseminated & communicated*

# PROGRAMME

## Stakeholders

### 1. Knowledge access

- Case studies
- Synthesis papers

### 2. Best practice

- Anchor workshops x 4
- Online & conference sessions

### 3. Policy dialogue

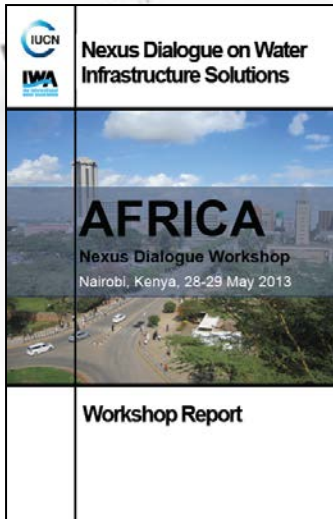
- Final international conference
- Action pledges

### 4. Communication & dissemination

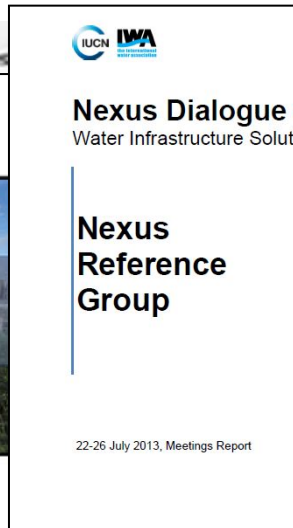
- Online platform
- Multi-media, publications

# Core Anchor Workshops

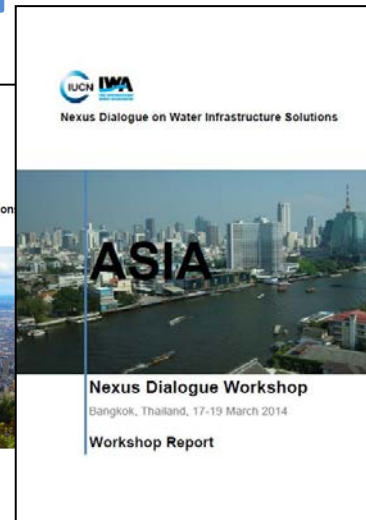
**AFRICA**  
May 2013



**LATIN AMERICA**  
September 2013



**ASIA**  
March 2014



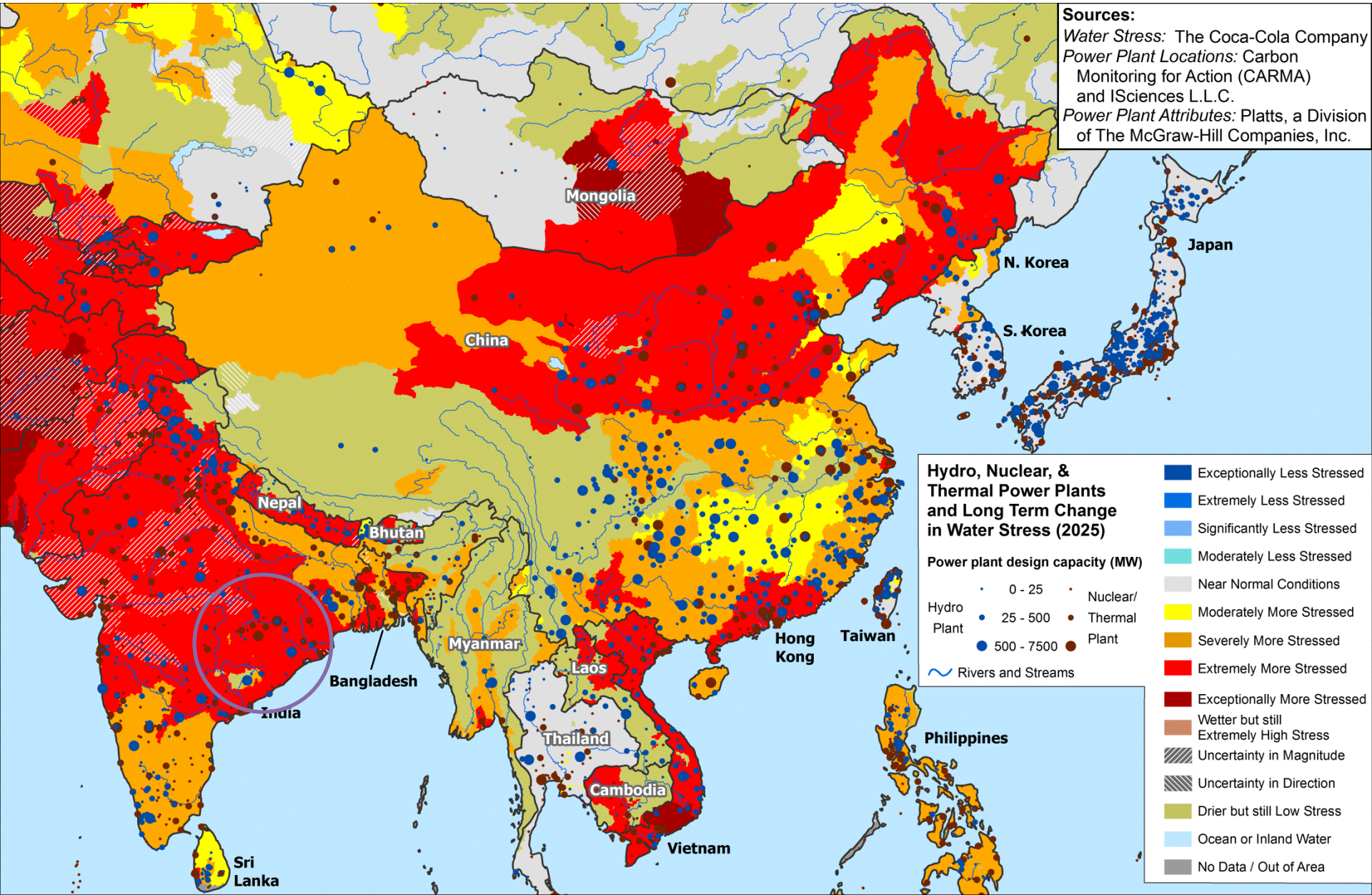
**CENTRAL ASIA**  
JULY 2014





# Long Term Water Stress

(and the location of power plants, based on 2025 IPCC Scenario A1B)





# Breaking down silos

- Different objectives, frameworks, tactics, language
- Improving water and energy efficiency requires collaboration across sectors
- Technology and innovation from one sector could be applied in other sectors
- Need policy tools which encourage development and applications of appropriate technology, infrastructure, and processes.



The background of the slide features a large, concrete dam structure with a steep, textured face, set against a backdrop of lush green mountains under a clear sky. A semi-transparent blue box is overlaid on the left side of the image, containing the title text.

# Symposium

## Infrastructure Solutions in the Water-Energy-Food Nexus

BEIJING – NOVEMBER 13-15, 2014





## **Nexus Dialogue on Water Infrastructure Solutions**

**Building Partnerships to Optimise Infrastructure and  
Technology for Water, Energy and Food Security**



# **Beijing**

**Nexus Dialogue Symposium**

**Beijing, China, 13-15 November 2014**

**Symposium Report**

# Dialogue Synthesis Papers

## Title

**Clean technology for nexus infrastructure solutions**

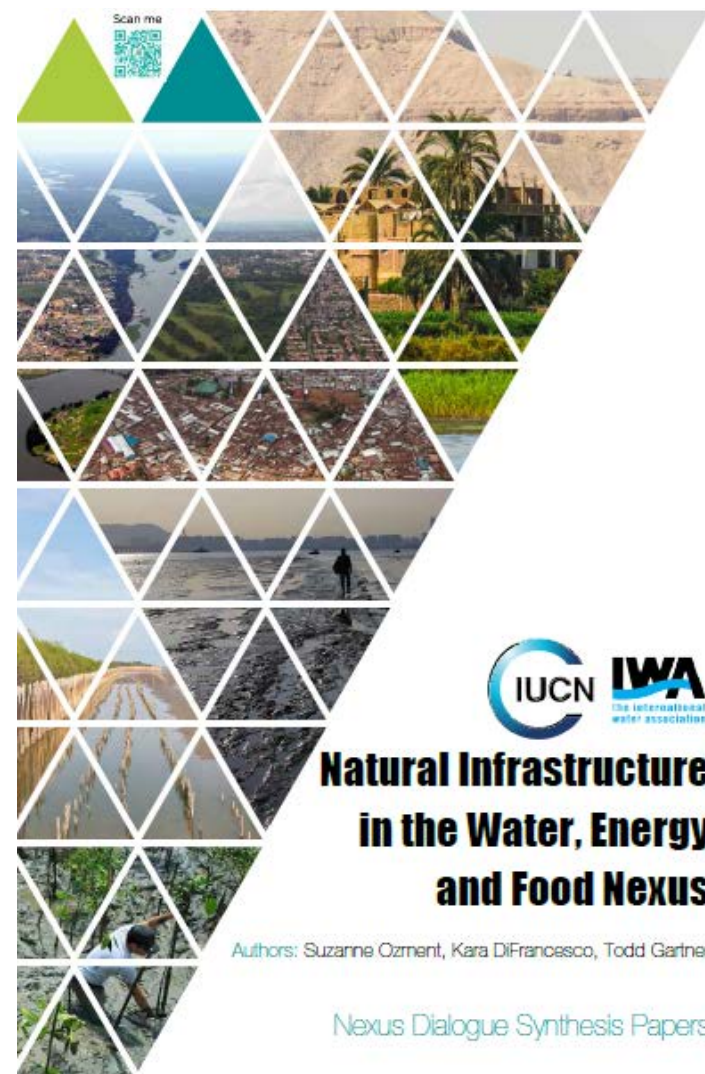
**Water stewardship and corporate engagement in the nexus**

**Influencing pathways of investment for the nexus**

**Natural Infrastructure in the Nexus**

**Governance of the Nexus**

**Connecting Water Across the Nexus:  
Learning from the Global Dialogue**





# Lessons – building partnerships

- The nexus is a strong communication tool, and a catalyst for cross-sector dialogue – it is **IWRM** in action!
- Focus on the problem – to develop the partnership – and not the partner –to make partnerships work
- Despite risk of working in a complex institutional environment (many ministries, transboundary), greater risk if ignore impacts of investments on and from other sectors



# Broad-based Principles

- The nexus is a place where there is as much agreement – as there is dis-agreement
- Principles that provide:
  - Fundamental ‘norms’
  - Rules, or values which can enable drivers for joint solutions
  - Reduction of opposing factors



# Operational by Nature

- Interventions need to be:
  - Flexible
  - Adaptive & responsive
  - Is there willingness to accept?



# Indicators of success

- Approach delivered relative to scale linking cross-sectoral outcomes
- Sectors engaged in open dialogue to promote ‘buy-in’ for collaborative advantage
- Capacity and knowledge of (appropriate) partnership to act on opportunities





# Framing, Opportunity, Robustness, Convergence, Effectiveness

# The framework

## **Framing**

What is the problem to be addressed? Scope; Context & Scale; Stakeholders

## **Opportunity:**

What is the opportunity for joint action and how can this be encouraged?

## **Robustness:**

What is the capacity of the regulatory/incentive framework(s) to effectively control the different uses?

## **Convergence:**

Is there any coordination (within the sector – and between sectors) in prioritizing what is required?

## **Effectiveness:**

What is the effectiveness of a multi-sector approach?

# THE WATER- ENERGY-FOOD NEXUS IN LATIN AMERICA AND THE CARIBBEAN

Trade-offs, Strategic Priorities and Entry Points





# Case Study: Water conflicts in Brazil





# **Case Study:** Climate Change Adaptation Plan in Huila Department, Colombia





## NEXUS trade-offs and strategies for addressing the water, energy and food security nexus in Africa

1. Overview of selected regional challenges and opportunities for **multipurpose infrastructure** in Africa
2. Series of consultations with Regional Economic Commissions on **planning and investing for multipurpose infrastructure**
3. Develop a **Rapid Assessment Framework** for a nexus assessment with criteria to assess current and future infrastructure projects
4. Identify the **investment opportunities** in natural and built infrastructure which can effectively and efficiently supply water for **multiple uses** to secure water, energy and food security.



# Lessons – moving to action

- Messages that highlight **incentives** can capture attention and awareness – **benefits between and for sectors**
- Data sharing is critical to finding sustainable solutions to the challenges we face in enabling collaboration across sectors and transboundary – **common data language and platforms**
- Added value on providing guidance on where to **direct finance** (and apply incentives and finance tools) – **strings & levers**
- Bringing different people together with a variety of experiences from across sectors is key. **The nexus is not a one-way discussion – and it does challenge beliefs - ‘the tyranny of experts’**
- Programmes should be set up to create **collaboration platforms** where water, energy, food and environmental sectors work together to identify and then solve current nexus problems
- Sectors will then **innovate and learn faster** – leading to **acceleration of implementation**

# Key messages

- The nexus is a strong communication tool, and a catalyst for cross-sector dialogue
- Existing practical knowledge as well as technologies across professional fields can be shared and applied cross-sectorally
- Focus on the problem – to develop the partnership – and not the partner –to make partnerships work
- The strength lies in the silos....use them more effectively to build a systemic response to the challenges ahead
- Policy needs to be linked – joined up for effective use. Integrating policy is a bridge too far and too soon for effective implementation



Thank you!

More information:

[www.waternexusolutions.org](http://www.waternexusolutions.org)