



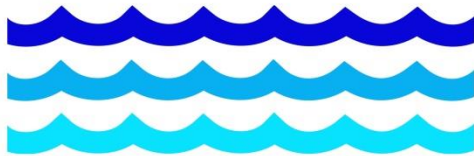
Netherlands Organisation for Scientific Research  
WOTRO Science for Global Development

# Urbanizing Deltas of the World: Research Uptake

## INTERNATIONAL CONFERENCE

WACC

Dynamic Research for Sustainable Life



January 25 - 27, 2016  
Ho Chi Minh City, Vietnam



# Programme

- Day 1 SHARING
  - Introduction
  - Peer review / Research Uptake Mapping (Step 1)
- Day 2 CAPACITY BUILDING
  - Research uptake strategies
  - Skills for research uptake
  - UDW in a bigger picture – research uptake (Step 2)
- Day 3 LINKAGES AND ACTION
  - Research uptake: presentation to a larger group to reach out to and formulation of action (Step 3)



# Step 2 – day 2

- 15.30 Research uptake – introduction step 2
- 15.45 Discussion per project – research uptake
  - OUTPUT – 1 slide per project
  - SMART (specific, measurable, achievable, realistic, time bound) (Yemm, 2013)
- 16.15 Discussion per theme – research uptake
  - Select 5 themes
  - OUTPUT – 1 slide per theme (SMART)
- 17.00 Presentation (preparation for day 3)
- 17.30 End



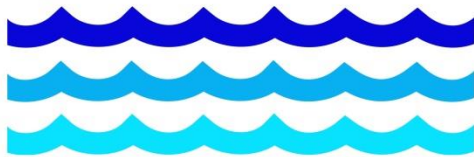
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*Research Uptake Mapping*

# Research Uptake: Mapping

- UDW Challenge: new knowledge on UDW needed, including uptake – how to do it?

- Delta Alliance

- DA Wings

*The objectives of UDW are:*

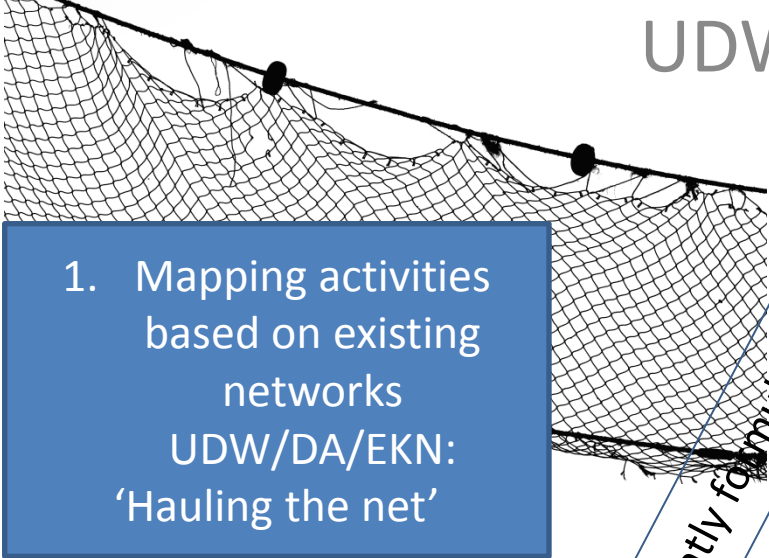
- *Generate new theory, knowledge and insights;*
- *Adapt or provide new tools, technologies and perspectives for action for pro-poor sustainable development;*
- *Enhance the capabilities of individuals and organisations to innovate.*

The Delta Alliance is an international knowledge-driven network organization and community of practise with the mission of improving the resilience of the world's deltas.

Through the wings, the Delta Alliance connects scientists, researchers, practitioners and policy makers to discuss, develop and monitor effective solutions for improving resilience in deltas.

**UDW: Research uptake through enhanced sharing, capacity building, linking between UDW (projects) and other relevant research & implementation projects**

# UDW Mapping: Research Uptake



1. Mapping activities based on existing networks  
UDW/DA/EKN:  
'Hauling the net'

2. Filtering (jointly formulated criteria)

*1 and 2 partly before and partly during the UDW workshop*

3. Selected research uptake possibilities

*In UDW workshop*

4. Action list

*After UDW workshop*

5. Follow up monitoring & evaluation lessons learned

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# Mapping

- Identification of the main thematic areas of the UDW projects
- Key characteristics of UDW and non-UDW projects
- Initial overview
- Networking
- Options for research uptake
- Constraints in research uptake



# Mapping: results

## 22 thematic areas

### Thematic areas

- Migration
- Hydrology
- Water users organizations
- Land subsidence
- Social processes
- Drinking water
- Urban development
- Institutional reform
- Adaptive Delta Management
- Water management
- Salt water intrusion
- Local stakeholders
- Infrastructure design and implementation
- Groundwater resources
- Wastewater reuse
- Modelling / GIS
- Policy planning
- Scenario development
- Disaster management

### UDW projects (7)

- UDW 104: Shifting Grounds: Institutional transformation, enhancing knowledge and capacity to manage groundwater security in peri-urban Ganges delta systems;
- UDW 105: Rise and Fall: strategies for the subsiding and urbanising Mekong Delta (Vietnam) facing increasing salt water intrusion;
- UDW 106: Strengthening strategic delta planning processes in Bangladesh, the Netherlands, Vietnam and beyond;
- UDW 107: Delta-MAR: Governance and hydrogeological prerequisites for sustainable water supply through MAR systems in urbanizing deltas, applied to Bangladesh;
- UDW 108: Adaptive delta management: development, acculturation
- UDW 109: Sustainable freshwater supply in urbanizing Maputo, Mozambique;
- UDW 110: "Hydro-Social Deltas": Understanding flows of water and people to improve policies and strategies for disaster risk reduction and sustainable development of delta areas in the Netherlands and Bangladesh.

UDW: 7 projects

### Non-UDW projects: (22 so far)

- in Bangladesh (Annex 3.1):
  - BD1: Charland Development and Settlement Project (CDSPIV)
  - BD2: Haor Infrastructure and Livelihood Improvement Project (HILIP)
  - BD3: Mobile Services for Flood Early Warning in Bangladesh
  - BD4: Gender and Water Programme Bangladesh (GWAPB)
  - BD5: Effective Participation for Transparent and Accountable Local Governance
  - BD6: Local Governance and Decentralization Programme for Union Parishads and Upazila Parishads
  - BD7: DUET NICHE project
  - BD8: Bangladesh Delta Plan
  - BD9: HI-AWARE
- in Vietnam (Annex 3.2):
  - VN1: Climate Change and Water Supply in the Mekong Delta (and Ho Chi Minh City)
  - VN2: Communicating climate change risks for adaptation in coastal and delta communities in Vietnam
  - VN3: Flood management strategies and controlled flooding in the Dutch, Bangladesh and Vietnamese deltas
- in Mozambique (Annex 3.3):
  - MZ1: PROIRRI-CDC
  - MZ2: AIAS
  - MZ3: Support to ARA-Sul–Wetterskip Fryslân
  - MZ4: ARA-Zam
  - MZ5: Master planning Beira 2035
  - MZ6: FIPAG - Institutional support
- in Myanmar (Annex 3.4):
  - MY1: Building Resilience and adaptation to Climate extremes
- in Indonesia (Annex 3.5):
  - IDN1: Securing eroding Delta Coastlines Indonesia
  - IDN2: G4INDO
  - IDN3: Jakarta protection project

Non-UDW: 22 projects/initiatives



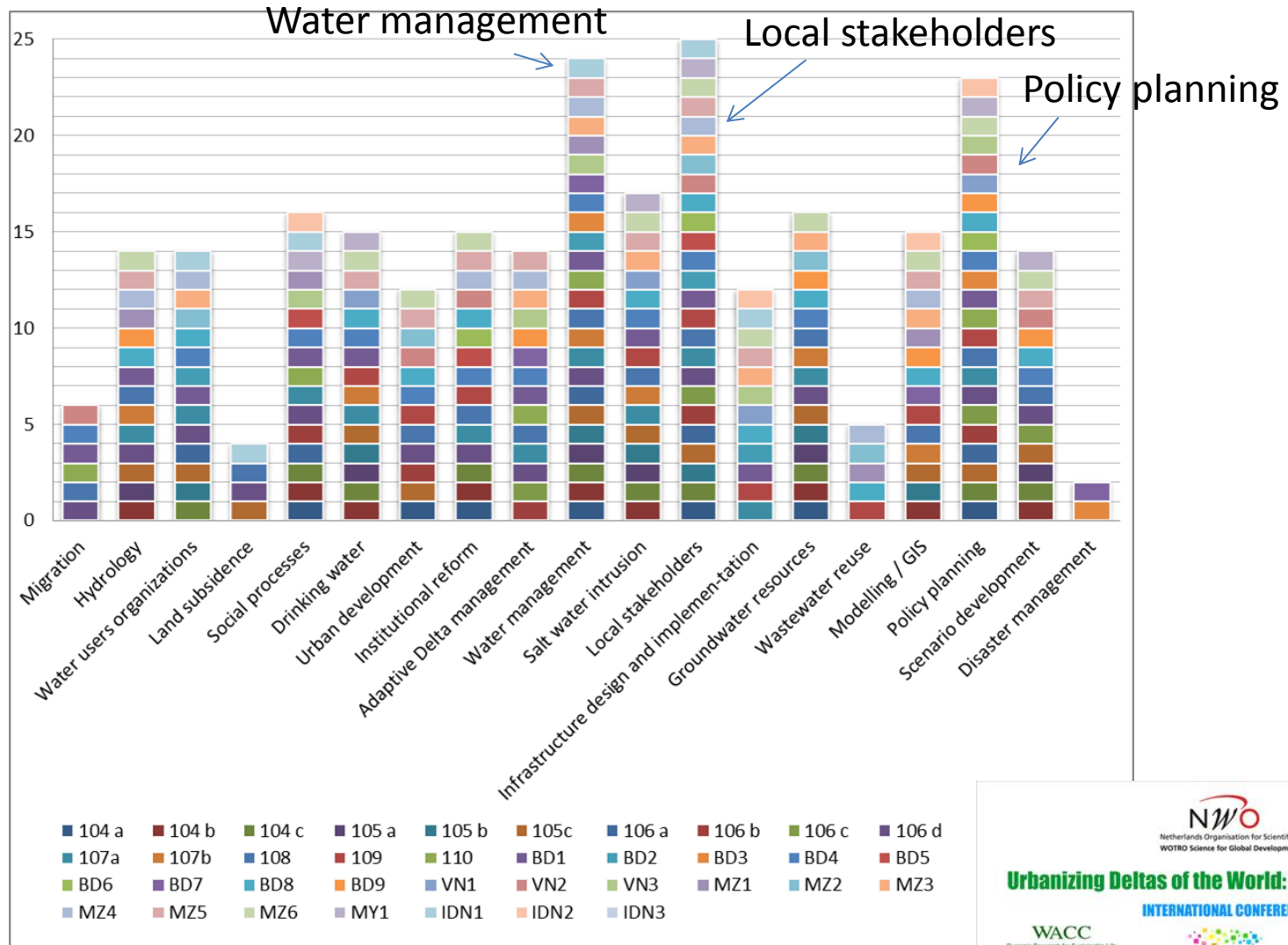


# Mapping: thematic areas / projects

Table 1. Overview of thematic areas in the projects

Thematic area	UDW projects											Non-UDW projects																																		
	104			105			106			107		108	109	110	Bangladesh									Vietnam			Mozambique			My	Indonesia															
	a	b	c	a	b	c	A	b	c	d	a	b				BD1	BD2	BD3	BD4	BD5	BD6	BD7	BD8	BD9	VN1	VN2	VN3	MZ1	MZ2	MZ3	MZ4	MZ5	MZ6	MY1	IDN1	IDN2	IDN3									
Migration									x			x		x	x				x								x																			
Hydrology		x			x		x				x	x	x	x		x								x	x					x																
Water users organizations			x		x	x	X				x	x			x	x			x					x						x	x	x								x						
Land subsidence						x					x			x																											x					
Social processes	x	x	x				X	x			x	x			x	x				x	x								x	x									x	x	x					
Drinking water		x	x	x	x	x					x	x		x	x								x			x												x	x	x						
Urban development	x						x				x			x	x														x																	
Institutional reform	x	x	x								x	x		x	x																															
Adaptive Delta management											x	x	x	x		x	x																													
Water management	x	x	x	x	x	x	X				x	x	x	x	x	x	x	x	x	x																							x			
Salt water intrusion		x	x	x	x	x						x	x	x	x		x																													
Local stakeholders	x		x		x	x	X	x	x	x	x			x	x	x	x																													
Infrastructure design and implementation											x			x	x	x																														
Groundwater resources	x	x	x	x	x	x					x	x	x	x																																
Wastewater reuse															x																															
Modelling / GIS		x				x	x							x	x	x																														
Policy planning	x		x			x	X	x	x	x	x			x	x	x	x																													
Scenario development		x	x	x		x					x	x		x																																
Disaster management																																														

# Mapping of thematic areas / projects



  
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# Characterization of projects

Type of project	UDW projects	Non-UDW projects
Research	104, 105, 106, 107, 108, 110	VN2, BD9, VN3
Planning and implementation	109	BD1, BD2, BD3, BD8, VN1, MZ5, MY1, IND1, IND2
Capacity building	106, 108	BD4, BD5, BD6, BD7, MZ1, MZ2, MZ3, MZ4, MZ6

# Type of information need of projects

Type of information	UDW projects	Non-UDW projects
Thematic knowledge	105, 106, 108	BD4, BD8, VN1, MZ2, MZ3, MZ4
Hands-on experience	104, 105, 106, 107, 109	BD3, BD4, BD5, BD6, BD7, VN2, VN2, MZ1, MZ2, MZ3, MZ4, MZ5, MY1, MZ6, BD9, IND2, VN3
Methodology	106, 109	VN2, MZ3, MZ5
Data	104, 105, 106	VN3, MY1, BD9, IND2, VN3
Not specified	110	BD1, BD2, IND1, IND2

# Level and type of cooperation

Level of cooperation	Type of cooperation	UDW projects	Non-UDW projects
Not / not specified	-	110	BD1, BD2
Low / passive	Sharing knowledge	104, 105, 106, 107	BD6, BD7, BD8, VN1, VN2, MZ1, MZ2, MZ3, MZ4, MZ6.IND1, IND2, IND1
Medium / occasional	Joint papers	105	VN1, VN2, BD9
High / active	Joint initiatives / projects, training activities	104, 108 (?), 109	BD3, BD4, BD5, BD7, MZ5, MY1, BD9, VN3

## Some options for cooperation

- Joint sessions at conferences (science policy practise)
- Joint papers – both scientific papers and practitioners' papers
- Application of tools and methods – researchers use existing tools and methods for research purposes or practitioners use research tools and methods for their processes
- Practitioners participate in research –
  - practitioners are included in advisory boards
  - are interviewed, take part in research activities
- Researchers participate in practitioners' processes –
  - researchers provide input to processes as advisor,
  - provide tools or methods, take part in the activities



# Potential action for research uptake

#	UDW projects	Possible action/(type of)activity	Possible partner projects
1	Shifting Grounds (104)	Explore link with projects in Khulna Explore link with Khulna University (Prof Dilip Datta, in UDW2)	BD4 (GWA) has members all over BGD, also in Khulna
2	Rise and Fall (105)	Explore link with Mekong Delta Plan Explore link with UDW107 and their network in Bangladesh	UDW107
3	Strat delta planning (106)	Explore uptake on IUCN side (IUCN Bangladesh and Vietnam are partner) Exchange of information, explore joint paper Exchange on methods for stakeholder mapping	IUCN BD8, NICHE155 UDW108
4	Delta-MAR (107)	Exchange of information, contribution to education programme with case study	BD7/DUET NICHE85
5	Adapt delta mgt (108)	Expore link to BDP, specify win-win options	BD8
6	Fresh water supply (109)	Explore the example of Via Water Explore DRIVE (former ORIO) project list Explore involvement of stakeholders	BD2, BD3
7	Hydro-social deltas (110)	Specify possible win-win options for research uptake, e.g. with partner BCAS	e.g. BCAS

# Action for research uptake

- 1 slide per UDW project
- SMART specific, measurable, achievable, realistic, time bound
- Use mapping document
- Table 5

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2	Rise and Fall (105)	Explore link with Mekong Delta Plan Explore link with UDW107 and their network in Bangladesh	UDW107

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# Research Uptake: Cross cutting themes

1. Groundwater/drinking water/subsidence
2. Participatory tools and governance
3. Education products and capacity building
4. Urban development, planning and land use



# Action for research uptake

- 1 slide per theme
- SMART specific, measurable, achievable, realistic, time bound
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2	Rise and Fall (105)	Explore link with Mekong Delta Plan Explore link with UDW107 and their network in Bangladesh	UDW107 January 25 - 27, 2016 Ho Chi Minh City, Vietnam





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