



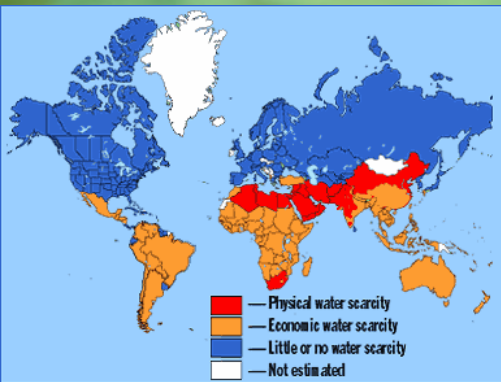
Governance issues and implications for GWSP

Prof. Dr. Joyeeta Gupta

Structure

- Activities
 - Water governance issues
 - > Politics of science
 - > Human right to water and sanitation
 - > IWRM in Ghana
 - > UN Water
 - Climate change and water
 - > Adaptive capacity
 - Development cooperation
- Plans
 - 2010 Bonn workshop
 - Cooperation with ESG
 - > ESG conference semi-plenary in USA
 - > ESG conference in Japan
 - Special issue – Ecology and Society
 - Synthesis report

Politics of water science



water + ecology + environment - (development + economy)

articles
1998-2007

3,024

water + development + economy - (ecology + environment)

1,162

terms in title, abstract or key-words

articles
1998-2007

water AND (**supply** OR **drinking**) AND NOT sanitation

55,631

water AND **sanitation** AND NOT (supply OR drinking)

1,464

water AND (**supply** OR **drinking**) AND **sanitation**

1,575

data from Scopus database
(www.scopus.com)

Gupta, J. and P.vd Zaag (2009). The Politics of Water Science: Unresolved Water Problems and Biased Research Agendas, *Global Environmental Politics*, 9(2): 14-23.

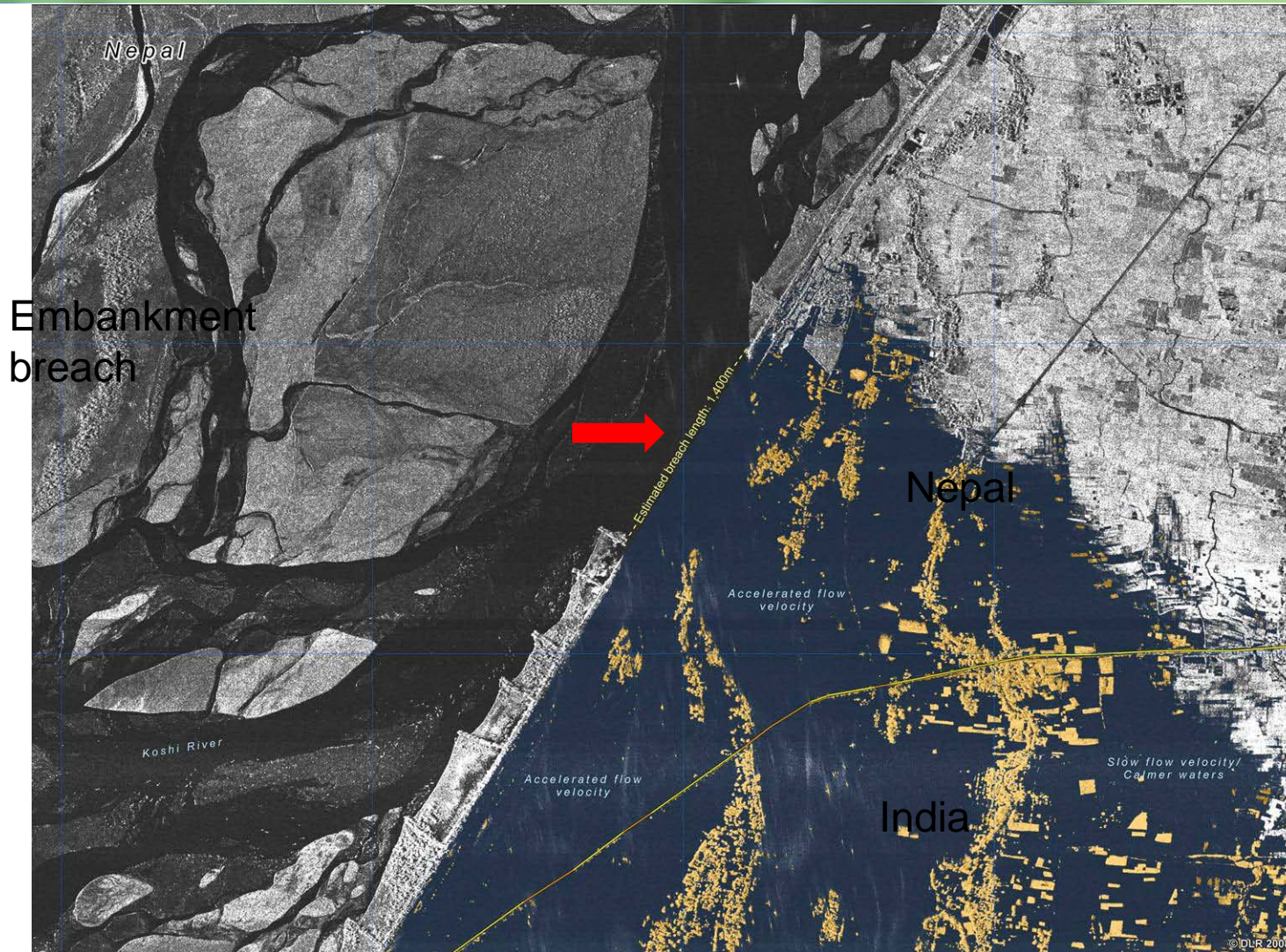
Van der Zaag, P., J. Gupta and P. Darvis (2009). Urgent Water Problems are not Sufficiently Researched, *Hydrology and Earth System Sciences*13: 905-912, available at <http://www.hydrol-earth-syst-sci.net/13/905/2009/>

The human right to water

Year	Declarations (D), Resolutions (R), Comments (C) and Treaties (T)	Consensus?
1979	Convention on the Elimination of All Forms of Discrimination Against Women (T)	186 (excluding US, Iran, Somalia, Sudan, Nauru, Palau, and Tonga).
1989	Convention on the Rights of the Child (T)	192 (excluding US and Somalia)
1994	Cairo Population Conference (D)	177 countries
1996	Habitat II (D)	171 countries
2001	Committee of Ministers on the European Charter on Water Resources	
2002	Agenda 21	All participating countries
2002	General Comment (C)	145 countries
06-09	Non Aligned Conference (D)	All participating countries
2006	First Africa-South America Summit (ASA) (D)	65 countries
2007	1st Asia-Pacific Water Summit (D)	37 countries
2008	3 rd South Asian Conference on Sanitation (D)	8 countries
2010	UNGA Resolution (R)	122 countries

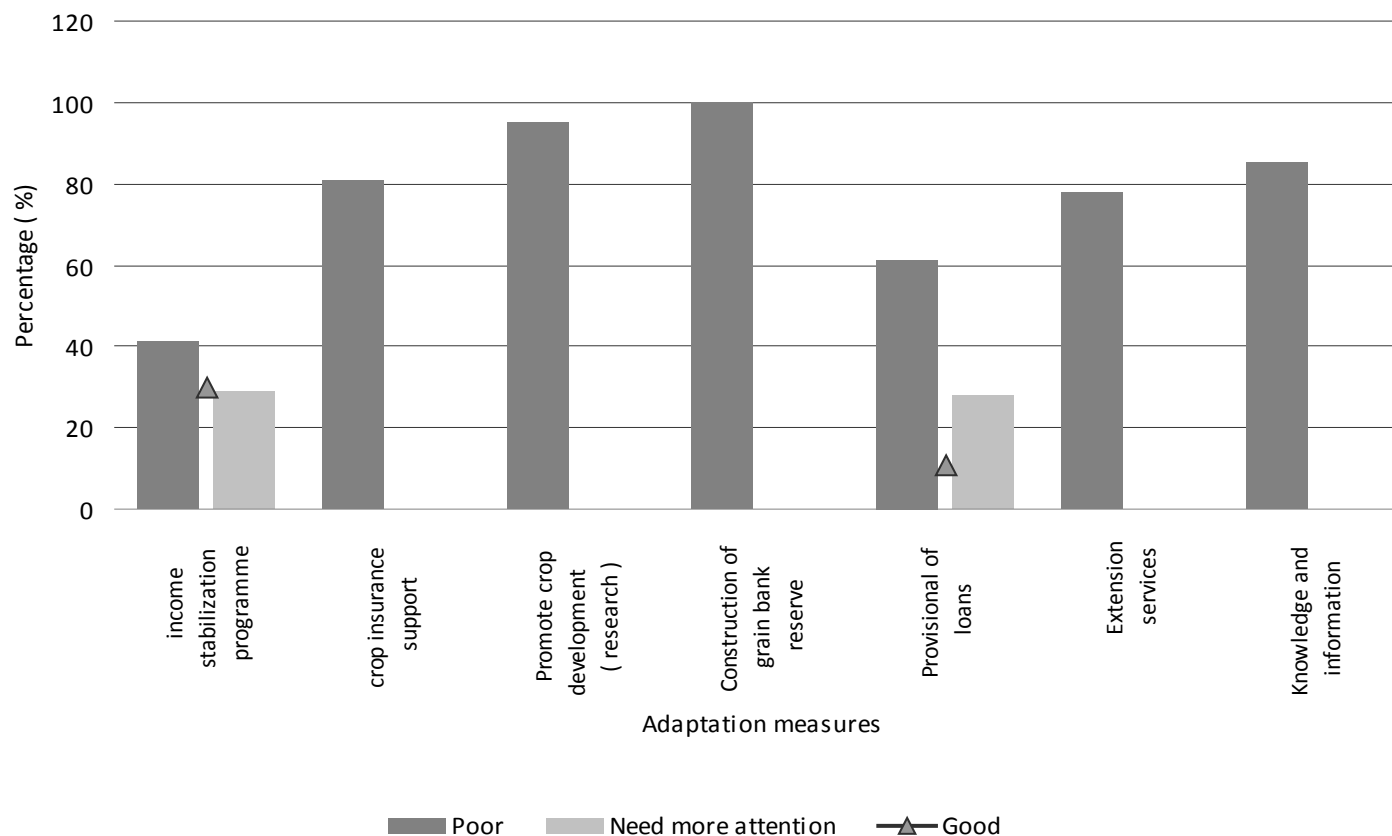
Gupta, J., R. Ahlers and L. Ahmed (...). The Human Right to Water: Moving Toward Consensus in a Fragmented World, *Review of European Community and International Environmental Law*, Accepted September, 2010.

Flood protection institutions: Embankment breach in Nepal, 18 August 2008





Institutional diagnosis: Drought policy in Gujarat

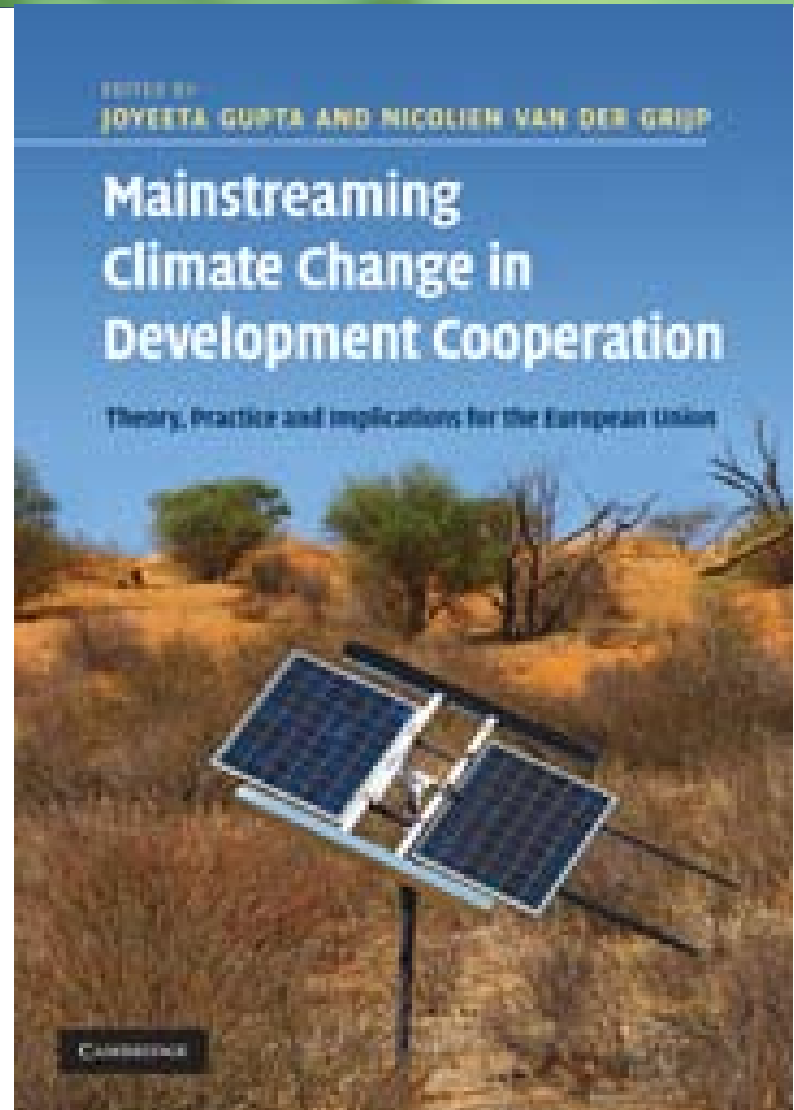


Mwinjaka, O., J. Gupta and T. Bresser (2010). Adaptation strategies of the poorest farmers in drought prone Gujarat, *Climate and Development*, 2: 346-363.

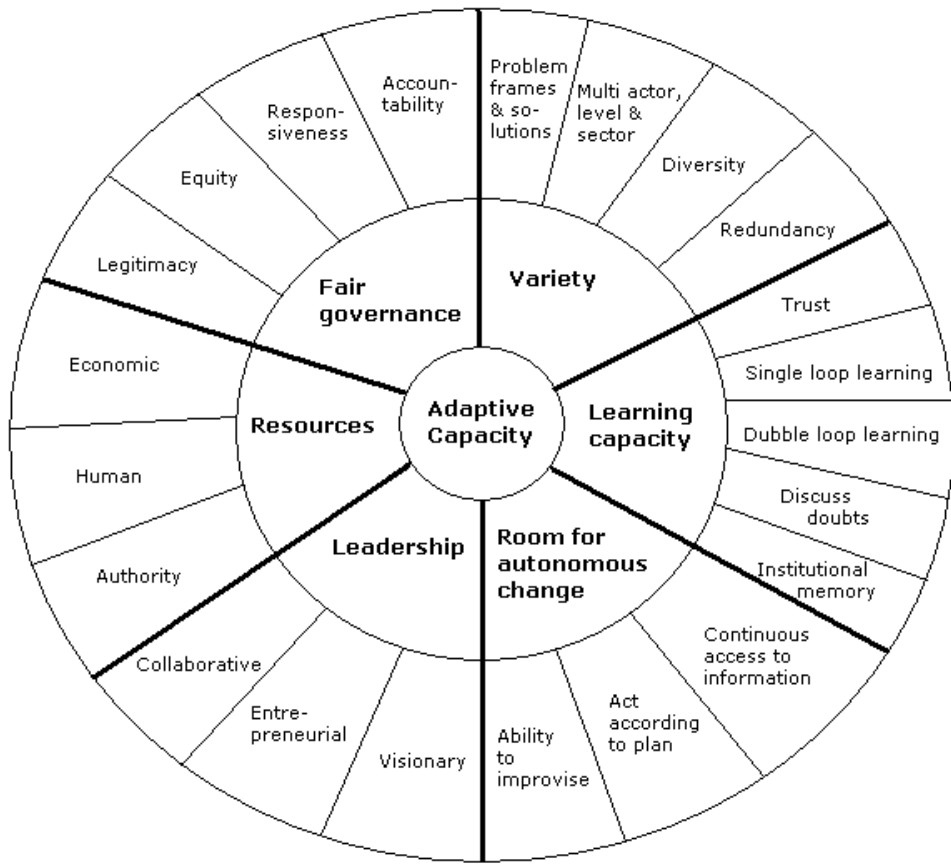
UN Water: Diagnosis of institutional challenges

Identify issues for system-wide action	+
Communicate with actors	+
Elaborate system-wide positions	+
Enhance visibility of UN system	+
Consider links with other fields	+
Completeness (members)	+
Facilitate synergies	+/_
Facilitate coordinated responses	+/_
Enhance credibility	+/_
Disseminate system wide responses	+/_
Promote policy dialogue	+/_
Maximise coherence and effectiveness	+/_
Cooperation with other coordination bodies	+/_
Completeness: partners	+/_

Lessons learnt from Development Cooperation



Diagnosing Institutions: Adaptive capacity wheel



Gupta, J., K. Termeer, J. Klostermann, S. Meijerink, M. van den Brink, P. Jong, S. Nooteboom and E. Bergsma (2010). Institutions for Climate Change: A Method to Assess the Inherent Characteristics of Institutions to Enable the Adaptive Capacity of Society, *Environmental Science and Policy*, <http://dx.doi.org/10.1016/j.envsci.2010.05.006>.

Content Analysis – 3 (EU & National)

EU level
WFD

Floods Dir.

Natura

CAP

White Paper on Adap.



National level

Adaptation Strategy Safety Strategy



Gupta et al. GEC, submitted.

Content Analysis – 4

Agriculture

Agenda for a Living Countryside Law: Land Use in Rural Areas New Agrarian Insurances



Nature

NEN

National Protection Law

Flora and Fauna Law



Content Analysis - 5

Spatial Planning

National Spatial Strategy



Spatial Planning Act



Str. Env. Assess.



Water

National Ag. on Water



Major Rivers Guideline



Water test



Nat. Water Plan



Water Act



GWSP : Cooperation with Earth System Governance

- Earth System Governance: 5A's
- Draft MOU: SSC to decide
- Possible semi-plenary in ESG meeting, April 2010: SSC to decide
- Possible papers by ESG at ESF meeting: SSC to decide
- Contribution to International Environmental Governance for IHDP in preparation for Rio+20, SSC to decide
- Further cooperation ...

Global water governance

- 2006 workshop
- 2008 Special Issue in *Global Governance*
- 2009 Springer book on Evolution of Water Law and Governance
- 2010 Bonn workshop
 - About 20 participants
 - Notes on governance prior to meeting
 - Plenary and working group sessions
 - Outline of a proposal for special issue
- 2011-2012 Proposal for *Ecology and Society*
- 2012 ESF meeting

Special Issue for Ecology and Society

- The policy challenge, from UN Water, Bill Cosgrove, UNEP (Maestu, Wieriks, Ramakrishna, Cosgrove)
- Synthesis of theoretical issues (Gupta, Pahl-Wostl)
- Ethics and governance
- Data and governance: The use and misuse of water and virtual water data, (Hong Yang)
- The need for global water governance (Toonen et al.)
- Missing links in GWG: Process issues (Pahl-Wostl et al.)
- Global Coordination Mechanisms Analyzed (Schubert/Gupta)
- UN WATER Diagnosed (Baumgartner/ Pahl Wostl)
- Links between global and national governance
- The future of water governance (Dellapenna et al.)

GWSP Synthesis book

- Focus on the three research questions in the science plan
- Structure book along the three research questions
- See if we can propose a real transdisciplinary method for water system analysis – as our legacy for the future
- Find good publisher