GWP ToolBox: Knowledge Sharing Tool

Danka Thalmeinerova, Global Water Partnership Toward the 6th World Water Forum: Cooperative Actions for Water Security Tashkent, May 2011



Challenges in Knowledge Chain

Processes

- Knowledge Identification
- Knowledge Acquisition
- Knowledge Storage
- Knowledge Refinement / Analysis
- Knowledge Integration

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- Knowledge Dissemination
- ...in cooperation with knowledge partners

Enablers

- Knowledge System
- Knowledge Culture

Intervention of GWP

Organizational Memory

Global Water

Partnership



Barriers in Knowledge Chain in IWRM

- Technical
- Administrative
- Bureaucratic

It takes time and resources

Political





CASE ST GWP ToolBox on-line IWRM library

Africa

America

Asia

Australia

Caribbean

China

Europe

water management are imposing unsustainably high economic, social and ecological costs on human societies and on the natural environment. Business as usual is neither environmentally sustainable, nor is it sustainable in financial and social terms. As a process of change which seeks to shift water development and management systems from their currently unsustainable forms, IWRM has no fixed beginnings and will probably never end. The global economy and society are dynamic and the natural environment is also subject to change, IWRM systems will, therefore, need to be responsive to change and be capable of adapting to new economic, social and environmental conditions and to changing human values.

IWRM is not an end in itself but a means of achieving three key strategic objectives.

- efficiency to make water resources go as far as possible;
- equity in the allocation of water across different social and economic groups;





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TOOL	.BOX Home » What is ToolBox?	Tools in ToolB	ΟΧ
A THE ENABLING ENVIRONME	What is Toolbox?		2
B INSTITUTIONAL ROLES	What is ToolBox?		7
C MANAGEMENT INSTRUMEN	TE C1 WATER RESOURCES ASSESSMENT	panized collection of case studies, reference do the state of the stat	
	C2 PLANS FOR IWRM	eviewed. The GVP Tool to be an	
	C3 EFFICIENCY IN WATER USE	to develop the base of a second control of the base of	
CASE STUDIES BY REC	GI C4 SOCIAL CHANGE INSTRUMENTS	ource of knowl	
	C5 CONFLICT RESOLUTION	o discuss and analyze the various elements of the f actions aimed at improving water governance and	- and a state
Africa	C6 REGULATORY INSTRUMENTS	 actions anneo at inproving water governance and als and specialists engage with a broader community 	
America	C7 ECONOMIC INSTRUMENTS	C7.01 Pricing of water and water services	100
Asia	C8 INFORMATION EXCHANGE	C7.02 Pollution and environmental charges	
Australia	It is important to keep in mind that	the IWF C7.03 Water markets and tradeable permits	
Caribbean	small beginnings. There is no such t lead to action atrophy. Policy make	ers shou C7.04 Subsidies and incentives	
• China	opportunities for reform as circumst	ances alter and use all windows of opportunity to nudge the reform example, provide such a window of opportunity but it will be vital to	
• Europe	ensure that the response to a cris	is challenges rather than reinforces the status quo. For instance, easy to give in to demands for more investment in protection	
Japan	infrastructure, but a policy maker	thinking in IWRM terms will want to ask whether there are	
Mediterranean		coning. Clearly during the process of change sectoral developments keep questioning whether such developments are compatible with	-161
Middle East	IWRM and rigorously challenge those		e alle
	Full text on How ToolBox helps		- Carlel
	How to use the Tools		
TOOLBOX PARTN		combination of approaches – changes in policies, or new types of shown here give a wide range of the types of option available –	14
AP Flood Management	but the list is probably not complete	e, and is certainly not prescriptive. The types of tools which can be be combined will vary from place to place, from society to society.	A.



tan: Institutional reform in water sec	tor to im	🟠 🔹 🔝 🝸 🚍 🔹 Page 🗸 Safety 🗸 Tools 🕶 🌘
Search	HOME IWRM WHAT IS TOOLBOX? GWP PUBLICATIONS	ABOUT GWP
TOOLBOX	Home » Asia » <u>- Central</u> » Cases » Kazakhstan: Institutional refo	CASE STUDY
E ENABLING ENVIRONMENT	plan (#342)	
CASE STUDIES BY REGION	Description In Kazakhstan the agricultural sector consume 78 % of the country's total water sup (e.g. leakages through a minuse account for 30 % of losses and pollution cau dumping). A decade of budget and staffing cuts has had a dramatic effect on the a water resources problems but a management problem which can be solved through app in water management sector were recognized at high political level (new Water Code point. The facilities located in water basin were governed by different management s	used by insufficient treatment of wastewater and industrial waste uthorities' ability to manage water. In Kazakhstan there are no plying the principles of IWRM. In spite that organizational reforms was adopted in 2003), no actual reforms had taken place at that
ca	linked to each other through technological processes.	
erica and Caribbean Central South South East	Action taken The government of Kazakharan embacked on a water resources management project instituting the practice of IWRM. With support from UNDP and GWP they drafted the IV river basins of Kazakhstan. At the beginning there was a negative attitude to creating platform for discussion and decision making at basin level. The duration of the project v of the Ministry of Agriculture of the Republic of Kazakhstan together with 29 governme	WRM plan. River Basin Councils (RBC) were established in all eight priver basin councils but they managed to overcome and set up a was three years orchestrated by the Water Resources Committee
tralia and Japan	Government of Kazakhstan for approval, there was a long process with series of stake feedback on the work plan. In December 2008, the IWRM Plan was endorsed by the K	
ia	enforce and implement the national water policy.	
ре	Lessons learned	
literranean & Middle East	 Training courses, workshops, dialogues, and meetings both within water authorities an understanding of what an IWRM plan is and how it can be implemented within the co • Establishment of RBCs is the beginning rather than the end of the process. A regular The size, shape and structure of RBCs depend on the needs of the river basin and to to require uniform arrangements in each river basin. 	ountry. training and capacity building of staff is a must.
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America

Caribbean

China

• Europe

Japan

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Altogether 54 different tools are presented in the GWP ToolBox. Structurally, the ToolBox is organised in a Several features of the web site

Cases sorted by Region

T **Cases sorted by Region** submitted by professionals from all over the work and order realistic lessons for others by giving examples or now a tool has worked in a given combination and context. Cases are at varying levels of detail and include references to sources of further information. Case studies are peer reviewed through the GWP network.

Middle East

Mediterranean

TOOLBOX PARTNERS

• AP Flood Management

•	CapNet
•	EU NeWater
•	Ground Water - MATE
•	INBO
•	WHO
_	

Other organizations

REFERENCES: SUPPORTING MATERIAL AND BACKGROUND INFORMATION ON IWRM

In addition, the GWP ToolBox contains references. All the Tools and Cases are linked to reference materials. These range from policy papers, articles, briefing notes, results of research projects, summaries of assistance programs. They also refer to external links and web sites of organizations working in the area of IWPM

Contributions from GWP Partners

TOOLBOX PARTNERS

ToolBox Partners are institutions and organizations that have played a variety of roles: some have had a leading role in creating the knowledge that is housed in the GWP Toolbox. Others have added significant value to existing content. Others have trained people in how to use the GWP ToolBox. And still others have been keen promoters of the Toolbox's usefulness. GWP is grateful for the contribution of each of these Toolbox Partners.

Toolbox textbook in other languages to download (pdf):

French (447KB) - Chinese (1MB) - Portuguese (1.27MB) - Russian (1,82MB) - Spanish (720KB)

Visit local versions of the ToolBox:

Malaysia - Philippines

Language and local versions under development





E Water - DWMI	💽 buggesteu bites 🗉	Tree nounai	

Note: Strategies GWP and IWRM plans and strategies

• Europe

CapNet

INBO

WHO

• EU NeWater

Mediterranean & Middle East

APFM (Flood Management)

Ground Water - MATE

• UNEP-DHI Centre

Other organizations

TOOLBOX PARTNERS

resources regardless of its efforts to develop an IWRM plan. IWRM planning must face the resulting plans are implemented.

GWP's experiences from national IWRM planning processes include:

- A realistic IWRM plan requires the design of functions, structures and proced constraints, the existing institutional structures, the management capacity and the
- Successful IWRM plans need to be aligned with high-priority national developmen even if these are outside the water sector.
- · Multi-stakeholder involvement in the decision making processes is essential for the
- · Economic arguments for financing water resources management must be develop

GWP invites all countries to share their IWRM plans and strategies. This is not intende share experiences from which we can learn from others all over the world. Also visit the GWP <u>Catalyzing Change Handbook</u>

A special section: IWRM plans and strategies



IWRM PLANS

Plans and strategies

Africa

America

Asia

Europe

For Who is this ToolBox? Why we would like to share it?





		· · · · ·
	ontribute? sk questions?	
grated Water Resources Management	Click here to contribute	Read details
arch	HOME IWRM WHAT IS TOOLBOX? Click here to c	ontact
TOOLBOX	Home » Tools » B1.02 Transboundary organisations for water resource management	
THE ENABLING ENVIRONMENT	B1.02 Transboundary organisations for water resource management	
NSTITUTIONAL ROLES	Characteristics	References
ANAGEMENT INSTRUMENTS	Transboundary organisations provide a framework for managing water resources across international boundaries, where there are issues about the management of common (cross-jurisdiction) property	Getting the private sector involved in
CASE STUDIES BY	vww.gwptoolbox.or	(DSE, 1998) (DSE, 1998)
CASE STUDIES DT	commissions. Traditionally, International organisations have been set up to address a given problem –	(WB, 1998)
rica	navigation, flooding; but their remit can be and often has been expanded to tackle wider water problems in the basin. While ministers in each country often wish to retain ultimate responsibility for	Transboundary water management as
nerica	decisions, it can be helpful to establish some kind of consultative body to broaden the range of stakeholder involvement.	an international public good (Swedish Ministry of Foreign Affairs, 2001)
sia	The type of agreement underlying these organisations varies greatly around the world, from ad hoc	

Example of use

- Project: Unpacking the IWRM tools in a demonstration project (Zimbabwe)
 - Lessons learned in developing IWRM
 Plan
 - Discussion how each tool is applied in the IWRM plan
 - Publication disseminated to other basins
- ToolBox training for WaterNet students
 - Regular training for MSc IWRM students

Unpacking the GWP IWRM toolbox with the lower Manyame sub-catchment planning in Zimbabwe and other examples from southern Africa





Inter-regional cooperation of CEE and CACENA



Устойчиви системи на канализация в Централна и Източна Европа - за нуждите на малки и средно големи населени места

под редакцията на Игор Бодик и Питер Ридерстоли

> Global Water Partnership annral and Eastern Europ



N CENTRAL AND EASTERN

addressing the needs I small







Lessons learnt from CACENA

- Understanding that <u>river basins are units</u> for water resources planning
- Increased awareness that <u>different sectors</u> have to work together (including water sectors!!!!)
- *Participatory approach* is not a "break" but "accelerator" of future actions committed







Lessons learnt - captured in GWP publications

POLICY BRIEF 8

Triggering change in water policies

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Better water management for development



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Thank you for attention

