

Water Country Briefs Diagnostic Workshop

Geneva, 9 – 10 December 2010 Prepared by the WCB Project Team

Project implemented by FAO-AQUASTAT on behalf of UN-Water with financial support from United States Department of State



UN Water is made up of the UN agencies, programmes and funds that have a significant role in tackling global water concerns. It also includes major non-UN partners who cooperate with them in advancing progress towards the waterrelated goals of the Decade Water for Life and Millennium Declaration. It is the official United Nations mechanism for follow-up of the water-related decisions reached at the 2002 World Summit on Sustainable Development and the Millennium Development Goals and supports Member States in their efforts to achieve water and sanitation goals and targets. Its work encompasses all aspects of freshwater, including surface and groundwater resources and the interface between fresh and sea water.

How to cite: UN-Water (2011). Water Country Briefs Diagnostic Workshop. Geneva, 9 – 10 December 2010. Prepared by the WCB Project Team.

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Acknowledgements

The project team extends its deep gratitude to WHO, co-host of the WCB Diagnostic Workshop, and to the workshop participants for their substantive inputs and fertile deliberations. A special mention must also be made to the UN-Water Technical Secretariat and FAO colleagues for their resolute support.

Abbreviations and Acronyms

DESA	Department of Economic and Social Affairs
FAO	Food and Agriculture Organization of the United Nations
FWMS	Federated Water Monitoring System
GDP	Gross Domestic Product
GLAAS	UN-Water Global Annual Assessment of Sanitation and Drinking Water
HDI	Human Development Index
IAEA	International Atomic Energy Agency
IAH	International Association of Hydrogeologists
ILO	International Labour Organization
JMP	WHO/UNICEF Joint Monitoring Programme for Water Supply and Sanitation
KWIP	Key Water Indicators Portal
MDG	Millennium Development Goal
PSC	Project Steering Committee
RO	Reporting Officer
SIWI	Swedish International Water Institute
UNCSD	United Nations Commission on Sustainable Development
UNEP	United Nations Environment Programme
UNICEF	United Nations Children's Fund
UNISDR	United Nations International Strategy for Disaster Reduction
UNOPS	United Nations Office for Project Services
UNSD	United Nations Statistics Division
USDS	United States Department of State
UNW	UN-Water
WASH	Water, Sanitation and Hygiene Programme
WB	World Bank
WBCSD	World Business Council for Sustainable Development
WCB	Water Country Briefs
WHO	World Health Organization
WWAP	World Water Assessment Programme
WWDR	World Water Development Report
WWF	World Water Forum
WWW	World Water Week

Context of the workshop

BACKGROUND

The overall objectives of the Water Country Briefs (WCB) project are to better visualize the critical importance of "investments in water" for human and economic development. The intention is to foster increased political momentum for stronger interventions on water-related issues by policy makers, dealing with peace and security, infrastructure investments, agricultural, health, education and environmental issues, as well as macro- and micro-economic perspectives. An ultimate goal is to mobilize increased financial and institutional investments directed to water-related interventions, to serve as a tool for advocacy on water issues in more general terms and as decision support tools in policy processes. The primary target group is national governments, but major civil society organizations and private sector actors, and the media are also examples of key stakeholders.

Given the available budget this initial project will generate WCBs for a 10-15 countries at the most. As the main purpose of this project is to define the methodology and develop the template and framework and apply it to a limited number of countries, considerable time and resources will be dedicated to develop such a template and methodology for these WCBs. The intention for producing this framework is that it can then be readily applied to a larger number of countries, once additional financial resources are available.

The WCBs are intended to send a powerful message about the urgent challenges on water issues that are stifling human and national development, and to prompt donors, governments and other key actors to raise these issues on the political agenda and increase investments. They will frame water issues within the larger development equation





within a country as a way to stimulate further political attention and investments in water.

The Diagnostic Workshop was a critical component of the ongoing preparatory activities for the project, and was held by the WCB project team from FAO and co-hosted by WHO, at WHO Headquarters in Geneva, 9 -10th December 2010.

WORKSHOP OBJECTIVES AND EXPECTED OUTPUTS

The diagnostic workshop's objectives were to:

- decide on target audiences;
- decide on the exact outputs and outcomes of the project (including indicators);
- decide on countries and political processes;
- identify what data and information are required;
- consider the main monitoring and data mechanisms to build understanding, commitment and ownership of this activity among key stakeholders, clarifying their roles and specific working processes and engagement with the main global monitoring mechanisms;
- initiate the discussion on the launch and communications strategy;
- set up steering committee.

Output: Workshop report summarizing the major decisions reached during the workshop.

PARTICIPATING AGENCIES

Representatives from the following agencies participated in the meeting and/or submitted their presentations (cf. list of participants in Annex 1):

- Food and Agriculture Organization of the United Nations (FAO);
- Global Water Partnership (GWP);
- International Association of Hydrogeologists (IAH);

- International Atomic Energy Agency (IAEA);
- International Labour Organization (ILO);
- Stockholm International Water Institute (SIWI);
- The Ramsar Convention on Wetlands (Ramsar);
- The World Bank (WB);
- UNEP-DHI Centre for Water and Environment;
- United Nations International Strategy for Disaster Reduction (UNISDR);
- UN-Water Technical Secretariat;
- World Business Council on Sustainable Development (WBCSD);
- World Health Organization (WHO);
- World Water Assessment Programme (WWAP).

AGENDA

(cf. detailed work programme in Annex 2)

Thursday, 9 December 2010

Agenda Item 1: Opening of the meeting

The Workshop's co-host, WHO, welcomed participants with a short opening statement. The workshop's Chair was appointed, identified in the representative of IAEA for the morning session and the representative of IAH for the afternoon sessions of 9th December; and the 10th December session was chaired by WHO. The UN-Water Technical Secretariat was Rapporteur on 9th December and the WCB Project Team on 10th December. A round table of presentations and expectations from the meeting followed and launched the substantive work of the WCB diagnostic workshop meeting.

Agenda Item 2: Background and update on WCB Project

The UN-Water Technical Committee briefly introduced the project and its background.

Agenda Item 3: Assessment of data availability

Participants presented on a voluntary basis their waterrelated initiatives, which might be of relevance to the WCB.

So as to focus ensuing discussions, presentations had been previously requested to follow this format:

- Slide 1 & 2: Name and short description of your project/ database/study
- Slide 3: Main indicators, messages
- Slide 4: What policy questions does your work target?
- Slide 5: What is the conceptual framework and data collection methodology?

Slide 6:	What are the data gaps/opportunities/
	barriers which you encounter?
Slide 7:	Information on national water-related
	investment needs in targeted sectors?
Slide 8:	Recommendations and contributions
	to Water Country Briefs project

Agenda Item 4: Implementation strategy

Following a presentation by the WCB Senior Project Coordinator outlining the various elements of the implementation strategy, participants discussed issues of target audience, conceptual framework, output, country selection, among others.

Agenda Item 5: Review of potential water indicators

Following a presentation by the WCB Senior Supervisor on another UN-Water project implemented by FAO-AQUASTAT, the Federated Water Monitoring System and Key Water Indicator Portal (FWMS&KWIP) project, workshop participants discussed various elements pertaining to challenges and opportunities surrounding indicators and methodologies, and contributing insights, opportunities and experiences, while outlining challenges and limits.

Agenda Item 6: Steering committee

Participants discussed the purpose of the steering committee for this project and also offered possible options.

Friday, 10 December 2010

Summary of previous day: The Senior Project Coordinator briefly summarized how work had well advanced through the discussions of the previous day.

Agenda Item 7: Launch and communication strategy

Following the WCB Communication Manager's initial remarks, participants discussed the objective and form that the launch and communication strategy could take on for this project, proposing some initial leads for thought.

Agenda Item 8: Other matters

A few mainly housekeeping issues were shared on this item.

Agenda Item 9: Closure of the meeting

The co-hosts thanked participants for their attendance and input to the substantive discussions, as well as expressed their gratitude to the technical staff for the seamless logistical support, and the Chair pronounced the meeting closed.

Presentations

The following presentations were made, listed in alphabetical order of the agency (cf. all presentations in Annex 3):

- FAO: AQUASTAT Products, Indicators, Challenges;
- FAO: Federated Water Monitoring System and Key Water Indicator Portal Project;
- FAO: WCB Implementation Strategy;
- IAEA: Water Resources at the IAEA and Some Recent Initiatives;
- IAH: Groundwater;
- Ramsar: Indicators of Effectiveness of the Implementation of the Ramsar Convention;
- SIWI: Status of Implementation of CSD -13 Policy Actions on Water and Sanitation; a Country Level Survey;
- UN-Water: Water Country Briefs: Introduction & Background

- UNEP-DHI: Delivering the UN-Water Status Report on Water Resources Management for the Rio+20 Conference;
- WHO / UNICEF: Joint Monitoring Programme (JMP) for Water Supply & Sanitation;
- UNISDR: UNISDR Monitoring of Progress in Reducing Risk to Water Related Disasters;
- WBCSD: Global Water Tool;
- WHO: UN-Water GLAAS.

Hardcopies of the following presentations were distributed (since the presenter was not able to reach the location due to bad weather conditions):

- GWP: (I)WRM Indicators: A GWP Perspective;
- WWAP: UNTF-IMR Basic List of Indicators.

All the presentations are available for download on the UN-Water website (http://www.unwater.org/watercountrybriefs.html)

Summary of discussions

OBJECTIVES

It was assessed that there were two complementary objectives for the WCBs: 1) one linked to UN entities, and related to the result of bringing further cooperation among them, enhancing the data availability while highlighting gaps in many countries' data; 2) the second addressing direct benefits to the countries such as enabling decision makers to address development issues to respond to countries' needs with sound financial actions targeting specific sectors; to help them mobilize resources and investments.

It was discussed that the WCB project should produce a bold output resulting from active collaboration and cooperation among UN entities and partners, and aiming to reach outside the "water box" and tying into high-level political processes at the national, regional and international levels.

SCOPE, CONCEPTUAL FRAMEWORK AND METHODOLOGY

The wealth of knowledge, experience and data available among the partners will be crucial to decide on the methodology and the indicators to be used, and the participants started to map out the ongoing initiatives within the UN-Water network (at the national, regional and international level); an exercise which it was agreed would be completed by the project team.

It was said to be also important to check the different mechanisms currently in place for sharing water-related information within a country. Many initiatives on country profiles, factsheets, snapshots and briefs are in existence and the project should ensure coherence and addedvalue.

It was noted that an added value of this project lied in the fact that it would consider all water-related sectors, to complement most existing country briefs which tend to focus on one sector at a time (drinking water, agriculture, environment, etc.).

It was agreed that the wealth of knowledge, experience and data available among the UN-Water members and partners would be sought to help determine the methodology and indicators. It was discussed that the WCBs needed to demonstrate how water related to development challenges and to show where the linkages were, based on solid data and analysis. It was also mentioned that, from experience (e.g. Economics of Sanitation Initiative, GLAAS, Sanitation and Water for All), the most effective arguments were built around demonstrating the opportunity costs and quantifying the costs to GDP.

OUTPUTS

There was general consensus that the WCBs should enable governments to improve usage of their shrinking resources. And that in this respect it would be useful to understand what documents were considered useful by governments to guide their investments in water.

The question, of which mechanism could be put in place to contribute to governments' improved decision making, was raised.

The WCBs, in the form of concise, clear, attractive fact-sheets of 4 to 6 pages were deemed a chance to offer bold messages, in a visually-attractive form: stripped of UN jargon, they should convey key messages that should not give room for misinterpretation nor casual considerations. The general WCBs (targeting the national-level policy-makers) in particular, should be a practical tool to frame problems and offer solutions to these problems and to outline specific benefits for each investment.

Some participants suggested that perhaps producing a "reduced" number of WCBs, but with an exhaustive content, could be used to prove to donors the usefulness of the product. Some participants suggested to also produce some WCBs on data-poor countries, outlining the data gaps, which could help make the case for the need for greater investments in data acquisition.

TARGET AUDIENCE

There seemed to be consensus regarding the need to address finance ministers, as a prime target for the WCBs. Since the briefs should be action-oriented and problemsolving they should "talk" to people who are in a position to drive investments and national financial resources. Addressing directly GDP, showing how this is threatened by lack of investment, could trigger specific actions. During the workshop it was noted that the identified target audience is the same as the Sanitation and Water for All partnership, which many UN-Water Members and Partners are members of. Sanitation and Water for All has already successfully engaged with the Ministers of Finance (e.g. High Level Meeting, 23 April 2010, World Bank/IMF Spring Meetings, Washington DC) and developed political and communications strategies. It is therefore critical to liaise with Sanitation and Water for All to avoid duplication and look for synergies.

COUNTRY SELECTION

No unanimous decision was reached on the selection criteria for choosing the countries for the project. Although it was mentioned that there would be an advantage in choosing the 'One UN' countries (Albania, Cape Verde, Mozambique, Pakistan, Rwanda, Tanzania, Uruguay, Viet Nam), it was also pointed out that the UN agencies in these countries were already overloaded with work due to the fact that these countries were part of the 'One UN' reform.

Regional representation was considered to be important as well as having a mix of countries with good and with bad data availability and quality.

An additional complexity, when dealing with water issues, is the country boundaries versus basin boundaries, and the question on how exactly to deal with this, while raised, has yet to be answered.

It was suggested to circulate a questionnaire amongst the agencies and basin authorities to find out which would be the countries with best/worst data availability and in which countries the project could benefit from synergies with other related activities (e.g. the choice of India was pointed to as one country which could have synergies to one of the participant's current projects).

Other criteria proposed, besides that of the 'One UN' countries, for selecting countries were the Human Development Index (HDI) ranking, the progress on meeting MDG targets, GDP, and small islands.

In practice, a mix or a combination of the above criteria are also possible.

The questions of when and how to involve the countries selected were also raised.

CONTRIBUTIONS BY UNW NETWORK

Experience in various aspects, data provision, methodologies, information, facilitating the political dialogues and inclusion

in agendas, presence in the countries are among the contributions that would be provided by the participating entities.

The most important contribution of the project to participants is the fact that it will provide an overall, rather than compartmentalized or sectoral, view of water issues. This will amongst others aim to improve synergy, avoid competition, be more cost-effective, and contribute to global processes.

INDICATORS

Several issues related to the indicators were considered. The group discussed how the 15 key water indicators decided by the UN-Water Task Force on Indicators, Monitoring and Reporting, coordinated by WWAP, could be used in the project. No clear recommendation could be made, since the key indicators are very technical and it was mentioned that they may not convey the message to the WCB's target audience. The need to select workable indicators which can be "populated" on a regular basis was also mentioned. The issue of trends was also raised, which is a general problem since for many countries no complete time series exist. The issue of the granularity of the data was mentioned as being a problem for clients using national level data, which is not sufficiently refined to be useful at sub-national levels.

PROJECT STEERING COMMITTEE

Three groups were deemed to be important for the project: (1) the project team, which will provide updates every six months; (2) all UN-Water members and partners; (3) a Project Steering Committee (PSC).

Discussions took place about the composition of the PSC. The following were mentioned as potential members during a brainstorming session: the target audience (mainly Ministers of Finance), current donor (USDS), potential donors for second phase, regional development banks, key partners, somebody with in-depth knowledge (for example a retired Minister of Finance), somebody with research or academic background, representative of the government of the country selected, private sector (as observer), someone of the Water and Sanitation PSC, Bill and Melinda Gates Foundation or Engineers without Borders, etc.

COMMUNICATION STRATEGY

Two different country briefs are to be prepared by the project:

 A succinct 4-6 page, visually-attractive country-level overview of challenges related to water resource development and management and/or access to water and sanitation services, with a specific focus on making the economic case for water-related investments and linking water issues to wider economic, environmental and social considerations, pending the availability of data.

2. A 2-4 page succinct and visually-attractive presentation of water related challenges viewed from a specific perspective of and relevant to an event with intergovernmental relevance.

After a short explanation of these two different types of country briefs, the discussion centered on the following points:

- countries should be involved right from the start to be demand-driven, but the challenge of country selection and country buy-in should not be underestimated;
- the content of the briefs can only be decided after the countries have been selected and should be adjusted to the specific country situation and problems;
- the briefs should be structured along the line of what is

important for the country, for example the cost to GDP;

- it is important to formulate strong key messages catered to the audience;
- the opportunities to link the launch of the briefs with high-level events, and to reach beyond the usual water community by building on the UN's networks and outreach capacity;
- the advantage of this project is that it is a joint effort of all agencies;
- communication is important but should also be flexible in order to be effective;
- there is a preference to rename the UN-Water 'Water Country Briefs' to UN-Water 'Country Briefs'.

While it was still too early to determine the final communication strategy, it was deemed useful to have initiated the discussion on communication from the onset and that the above points ought to be taken into consideration from the beginning.

Conclusions and next steps

The workshop helped to advance the project, namely by starting to map out what was available within the UN-Water system in terms of tools, data, methodologies, products, etc.

Another important achievement was the input and support pledged from participants. The project team emphasized how UN-Water partners and members' participation would be essential going forward to ensure the success of this project. The project team commits to reporting on the progress of the project to UN-Water members and partners every 6 months.

Next steps to be taken:

- make a detailed inventory of ongoing initiatives on water-related country briefs, snapshots, factsheets, profiles, etc.;
- prepare a questionnaire and send it to UN-Water members and partners to find out which would be the countries with best/worst data availability and in which countries the project could benefit from synergies with other related activities;
- prepare an inception report, based on the workshop report, including an updated work plan of the project;
- select the countries;
- select/refine the indicators.



Participants discussed the timing of the project and a proposition to launch the first WCBs in 2012 was considered.

While no firm decisions were taken with regards to the project's various components, the workshop was successful in bringing UN-Water members and partners together, triggering collaborative support for the project, and raising substantive questions. Complex questions regarding methodology, indicators, choice of countries, and more, were discussed and require much more thought and discussion before they can be fully answered to advance the project.

Annex 1: List of Participants

Mr. Didier Allély-Fermé	World Health Organization
Ms. Violaine Berger	World Business Council for Sustainable Development
Ms. Julia Bucknall	World Bank (participated through Skype)
Mr. Antonio Chambel	International Association of Hydrogeologists
Ms. Alexia Dufour	Ramsar
Mr. Mats Eriksson	Swedish International Water Institute
Ms. Nicoletta Forlano	UN-Water Technical Secretariat
Ms. Karen Frenken	Food and Agriculture Organization (AQUASTAT) Senior Project Supervisor
Mr. John Harding	United Nations International Strategy for Disaster Reduction
Mr. Peter Koefoed Bjørnsen	United Nations Environment Programme
Ms. Catherine Jung	World Health Organization
Mr. Dominique Maison	World Health Organization
Ms. Rita Mazzanti	International Atomic Energy Agency
Mr. Frederik Pischke	UN-Water Technical Secretariat
Mr. Federico Properzi	World Health Organization (GLAAS)
Ms. Clara Ramirez Saravia	International Labour Organization
Mr. Abdou Savadogo	World Health Organization (JMP)
Ms. Marisha Wojciechowska-Shibuya	Food and Agriculture Organization Senior Project Coordinator

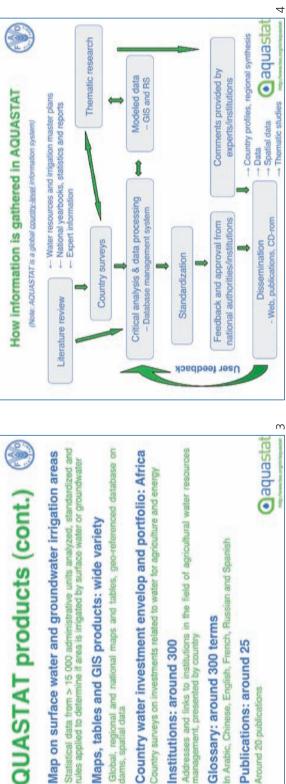
Annex 2: Workshop Agenda

THURSDAY, 9	DECEMBER 2010		
9:00-9:20	Agenda item 1: Opening of the meeting		
	Opening statement Tour-de-table, approval of the agenda and WCB Workshop Programme, election of workshop chair and rapporteurs	Federico Properzi, WHO Karen Frenken, FAO Marisha Wojciechowska-Shibuya, FAO	
9:20-9:40	Agenda item 2: Background and update on Water Country Brief	is project	
	Presentation: Background and overview of WCB Project	Frederik Pischke, UN-Water	
9:40-10:20	Agenda item 3: Assessment of data availability		
	 Presentations (TBC): Indicators of effectiveness of the Ramsar Convention on Wetlands Global Water Tool Recent IAEA Initiatives in Water Resource Assessment and Management UNISDR Monitoring of Progress in Reducing Risk to Water Related Disasters 	Ramsar WBCSD IAEA UNISDR	
10:20-10:40	Break		
10:40-12:30	Agenda item 3 (continued): Assessment of data availability		
	 Delivering the UN Water Status Report on Water Resources Management for the Rio+20 Conference Groundwater UN-Water GLAAS JMP AQUASTAT Discussion 	UNEP-DHI IAH WHO WHO/UNICEF FAO	
12:30-13:30	Lunch		
13:30-15:00	Agenda item 6: Implementation strategy		
	Presentation: WCB Implementation Plan Discussion	Marisha Wojciechowska-Shibuya, FAO	
15:00-16:00	Agenda item 5: Review of potential water indicators		
	Presentations: Overview of initiatives Key UN-Water Indicators & Federated Water Monitoring System Discussion	Karen Frenken, FAO	

16:00-16:20	Break	
16:20-17:30	Agenda item 5: Review of potential water indicators (continued)	
	Discussion	
17:30-18:00	Agenda item 6: Steering committee	
	Brainstorming: Steering Committee	Marisha Wojciechowska-Shibuya, FAO

FRIDAY, 10 DECEMBER 2010			
9:00-9:10	Summary of previous day	Marisha Wojciechowska-Shibuya, FAO	
9:10-10:15	Agenda item 7: Launch and communication strategy		
	Brainstorming: WCB launch and communication plan	Nicoletta Forlano, UN-Water	
10:15-10:25	Agenda item 8:Other matters	Marisha Wojciechowska-Shibuya, FAO	
10:25-10:30	Agenda item 9: Closure of the meeting	Karen Frenken, FAO	





Glossary: around 300 terms

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Publications: around 25

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Around 20 publications

Institutions: around 300

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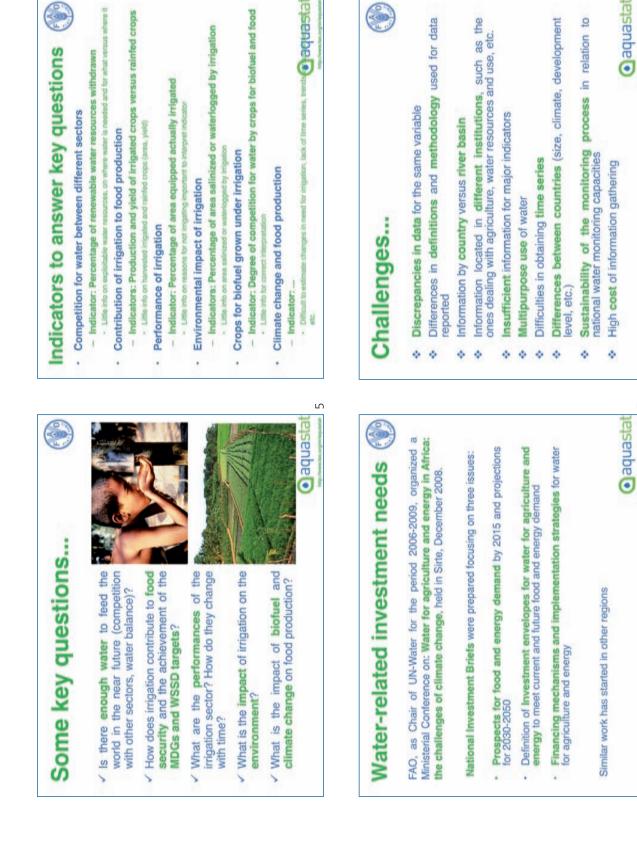
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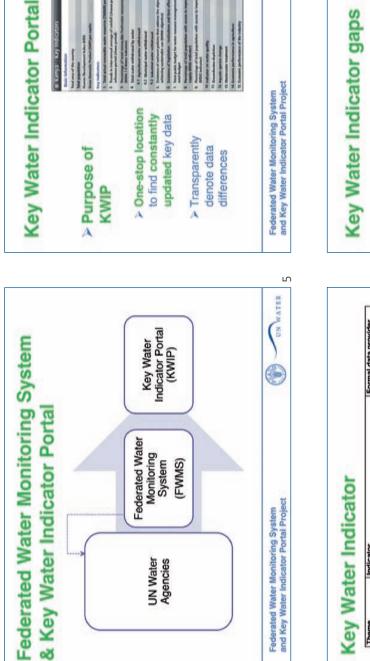
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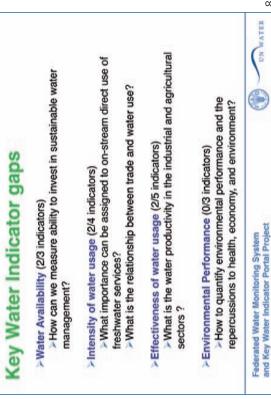
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	 Total actual water renewable resources per capita. 	AQUASTAT
Winter Australia -	 Storage capacity per capita 	AQUASTAT
VS.M.S	 Importance of national expenditure for water supply and sanitation as a % of total budget 	-nore derified
4.6	 Total water withdrawals over total actual renewable water resources 	AQUASTAT
Intensity of water	5 - Sectoral withdrawals as a percent of total withdrawal	AQUASTAT
10	- Comparison of evolution of inland Fish catch (capture)	- none identified
16.8	7 - Share of blue, green, virtual water used to produce food in a pountry	- come identified
'n	8 - % of population with access to improved water sources	JMP
in the second se	9 - % of population with access to improved sanitation (JMP)	ding
1.	0 - Change in water productivity in inigated agriculture	Persona develand
15	 Water productivity in industrial sector 	- none identified
12	12 - Change in Hydropower productivity	- none dantfield
13	Change of quality of heshwater systems	- none clentified
Environmental 74	14 - Urban wastewater treatment connection rates.	- rone desided
0.00	15 - Threatened treshwater species	- none identified



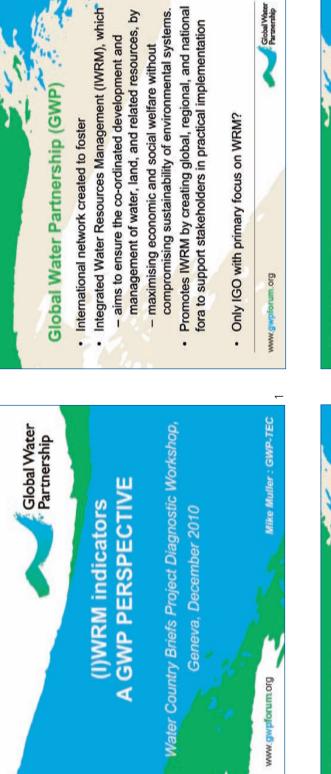
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Communication & Advocacy	 Opportunities How do we leverage UN-Water & other channels? Where do we find our target audience (ie: event/s)? International/regional? 	Organizational Groups: Steering Committee, UN-Water, etc.	Administrative Reporting, finances, etc. > Who? When? How?	Water Country Briefs Project
Commu	0	Organi	Admini	Water Countr





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www.gwpforum.org

Distinguish between





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Global Water Partnership

Highlight data & resource drought, complexity & importance of challenge

www.gwpforum.org

Economic and social impact of extremes, droughts and floods

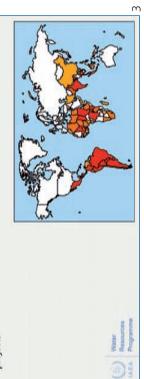


Improved data and capacity for monitoring the quantity and quality of responds to scientific aspects of the water agenda, stated in (for example) Leading-edge research in sustainable use and management of Better mapping and assessment of water resources Improved understanding of the water cycle Sustainable exploitation of water resources World Summit on Sustainable Development Millennium Development Goals Programme Context 5th WWF-Istanbul 3rd WWF-Kyoto water resources water resources provides support for: The Programme Water Resources Programme . .

Supporting Technical Cooperation

The Programme -

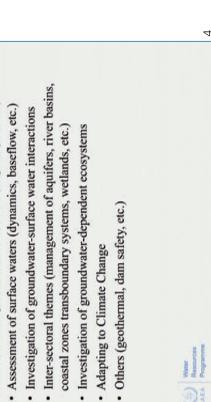
supports over 80 active projects (funding ~ S8M/cycle) in Asia, Africa, Europe, and Latin America works to develop infrastructure & human resource capacity, and apply isotope methods to address specific water problems through National and Regional projects



Technical Cooperation Themes

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- Assessment of groundwater resources (origin, dynamics)
- Investigation of groundwater-surface water interactions
- coastal zones transboundary systems, wetlands, etc.)
 - Investigation of groundwater-dependent ecosystems



Importance of Data – Isotope monitoring programmes and other compilations

- Global Network of Isotopes in Precipitation (GNIP) since 1961; data used for hydrology and climate change
- <u>Global Network of Isotopes in Rivers</u> (GNIR) since <u>2002</u>; for hydrology of river basins and impacts of land use/climate
- Atlases of Isotope Hydrology (Africa, Asia, Latin America) Used for groundwater assessments



Water Availability Enhancement Project (IWAVE Project)

The IAEA's WAVE Project is intended to assist Member States in fully assessing the availability and quality of water resources. This objective will be achieved

- by identifying gaps in hydrologic information and understanding,
- by improving the collection, management, and interpretation of water-resources data, and
- by using advanced techniques to simulate hydrologic systems for resource management

A hands-on, on-the-ground project to increase national capacity to conduct comprehensive water-resources assessments

When Resources Programme

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IWAVE Project – NATIONAL assessment

of water resources

- Focus on gaps in hydrological data and knowledge
- To build on, and compliment, other international, regional, and national initiatives
 - With extra-budgetary funding from the US Department of State to the IAEA's Peaceful Uses Initiative, the project will launch a proof-of-concept or pilot study in the Philippines in 2011
- The IAEA Director General has declared Water to be a priority area of IAEA's work in 2011 and the IWAVE project is one of the major themes of this initiative

Water Resources Programme





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- Presence of Heavy Metals (at least once)
 - Presence of Pesticides (just in case of agriculture fields using pesticides) •

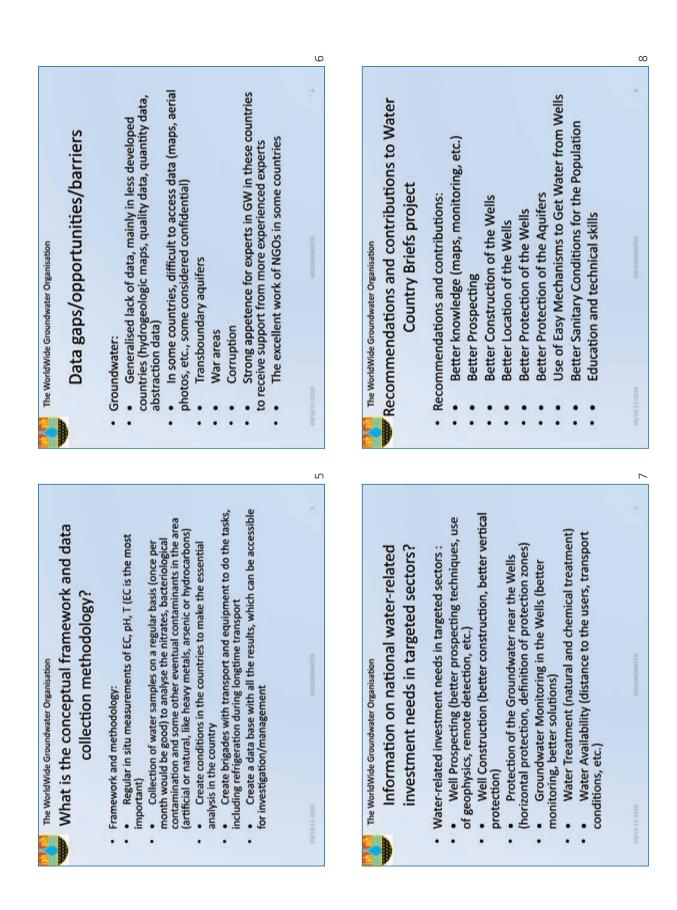
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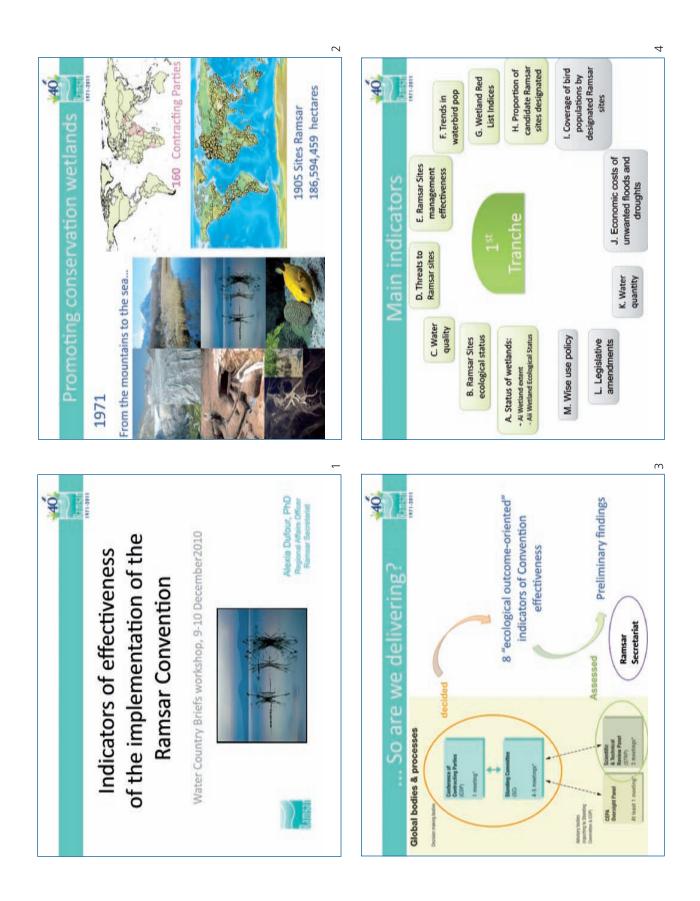
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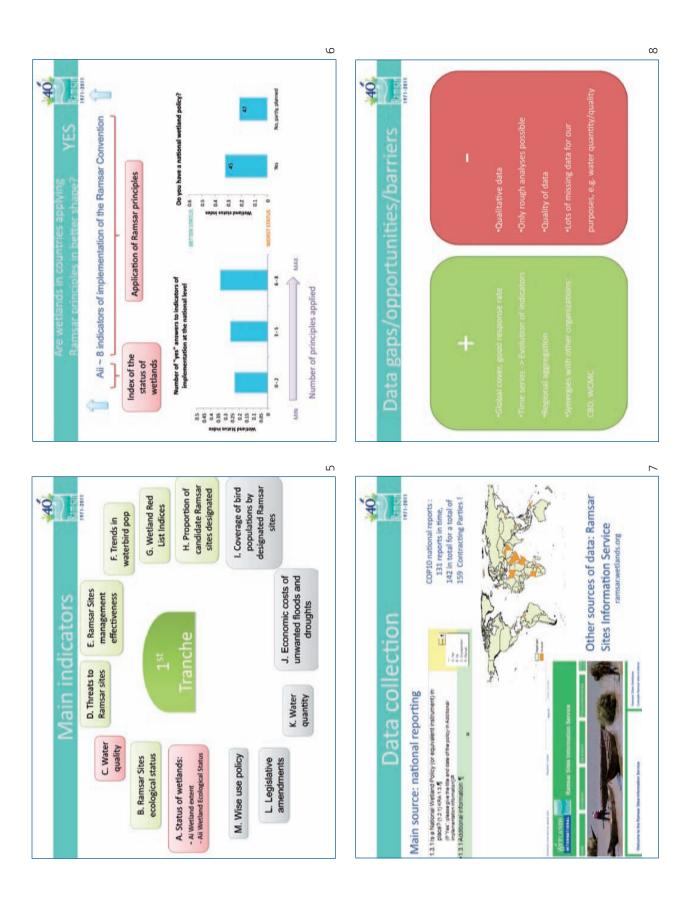
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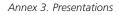
The creation of the Map of the Saline Aquifers of

the World (in preparation)

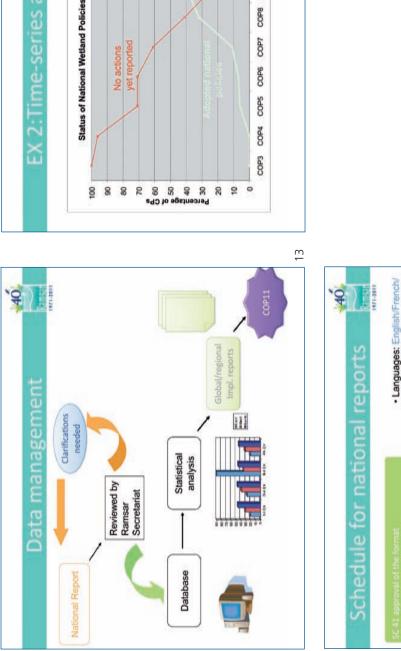




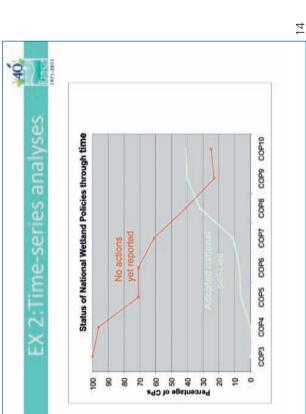




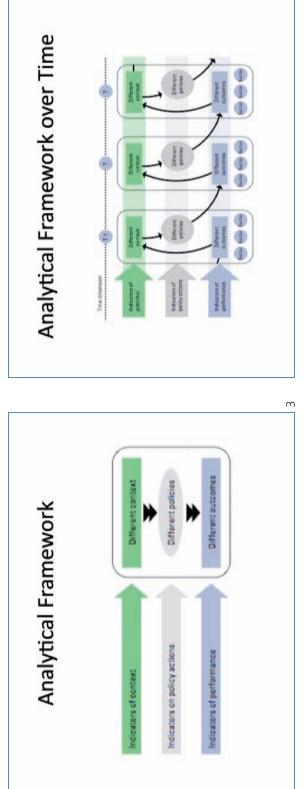








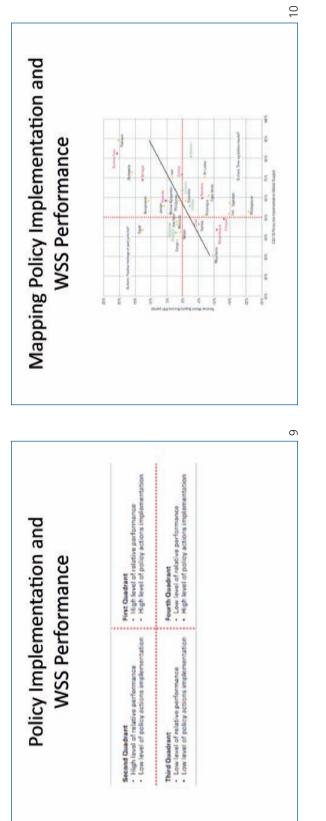


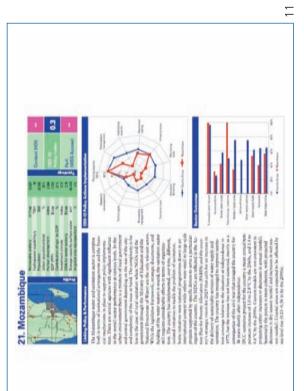


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(IDH)







Visualize the critical importance of "investments in water" for human and economic development (Water resources management, as well as drinking water supply and sanitation)

Foster increased political momentum for stronger interventions on water-related issues by policy makers, dealing with peace and security, infrastructure investments, agricultural, health, education and environmental issues, as well as macro- and micro-economic perspectives

mobilize increased financial and institutional investments directed to water-related interventions

serve as a tool for advocacy on water issues in more general terms

Serve as decision support tools in policy processes

society organizations and private sector actors, and the media are also key stakeholders Primary target group is national governments, but major civil

Main purpose of this project is to define the methodology and develop the template and framework and apply it to a limited ber of countries

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Status of



 Relevant for minister of finance, agriculture, health Quantify impacts of addressing water challenges on other "sectors" / the issues that matter (agriculture, industry, transport, health, education, jobs, ...)

Not only drinking water supply and sanitation services but also what is lumped under "water resources management"



www.unwater.c

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<u>Opportunities</u> of this <u>PILOT</u> project: Vater Country Briefs

Make the case of water "outside the box"

- Strengthen evidence base at the country level
- Be able to tell "our" side of the story the water side to the decision-makers at the country level
- Support / Build onto other initiatives
- Bring actors together inside and outside the UN system
 - Show clearly what the data gaps are
- Progress on the 15 UN-Water key indicators
 Generate funding for a continuation of this project / related initiatives (?)

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Challenges of this PILOT project on Water Country Briefs / Primary Data Evidence based (quantitative) vs.

Evidence based (quantitative) vs.

- Perception based (qualitative) data What level?
- Country Level! But what about watershed level data on water resources (challenge of integration of data)?
- Conceptual framework
- which data to collect where?
- what to do in a 'perfect' world, i.e. a world with all the data that can realistically be obtained?



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What do we have?

- <u>Support from the USA</u> but also a clear indication that they want the <u>UN system to</u> lead and shape the WCB
- Experience from other similar exercises
- Experts and practitioners willing to contribute
 - A committed project team at FAO Aquastat, with support from the UN-Water Technical Secretariat

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What do we need?

- Commitment from <u>you</u> to contribute with ideas, expertise and time Steering Committee of Water Country Brief project
 - Decisions at this diagnostic workshop
- Which 10-15 countries to pilot in
- Conceptual framework to "make the case" to decision makers
- Which event to target in roll-out of briefs in 2012/2013?

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2012 will be a busy year...

4th World Water Development Report 03/2012
 6th World Water Forum 03/2012

JMP GLAAS 03/2012 SWA High Level Meeting 04/2012

 Water Resources Management Progress Report 06/2012
 UNCSD 2012 (Rio+20) 06/2012

UNCSD 2012 (Rio+20) 06/2012
 Water Country Briefs (?)

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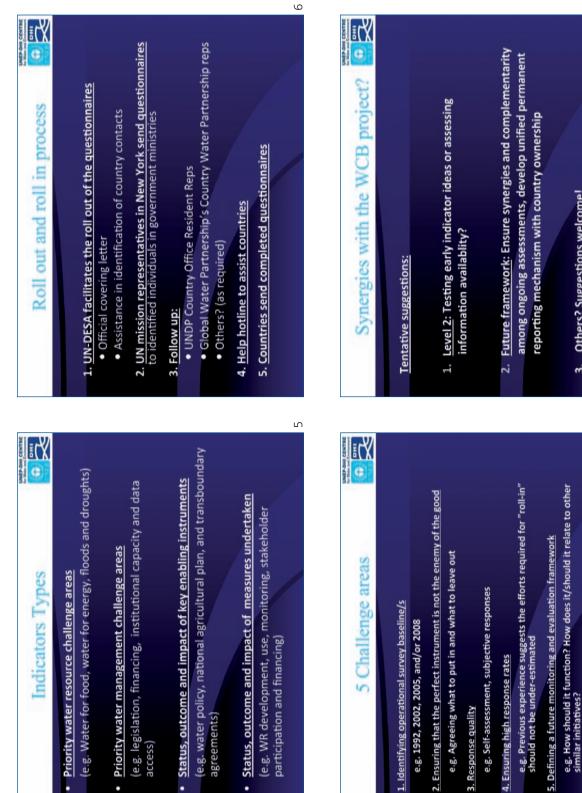
development, management and use of water resources", and to develop a long term monitoring and reporting Purpose: To assess progress and outcomes on "the application of integrated approaches to the framework for water resources

(Quotation from UNCED Agenda 21, Chapter 18)

= A detailed comparison with CSD16 report with additional outcomes and impacts management challenges over the past 20 years (i.e. since Rio 1992) Same indicators as Level 1 + questions on changes in resource and > 25-30 selected countries Level 2:

- + more in-depth case reporting on key challenges, actions and results , as well as input on relevant national indicators
 - = A deeper situational understanding and input to a future reporting framework

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Annex 3. Presentations

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Others? Suggestions welcome!

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MDG 7 Target 7c

"Halve, by 2015, the proportion of people without sustainable access to safe drinking-water and basic sanitation"

MDG indicators:

- Proportion of population using an improved sanitation facility, urban and rural
 - Proportion of population using an improved drinkingwater source, urban and rural

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highlights gaps and disparities (between water and

sanitation, regions, urban / rural)

Raise equity issues (gender, poverty) and level of

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access (time to source, infrastructure ladder)

Assess status and progress towards the MDG and

JMP's contribution for policy and decision makers:

Policy questions raised

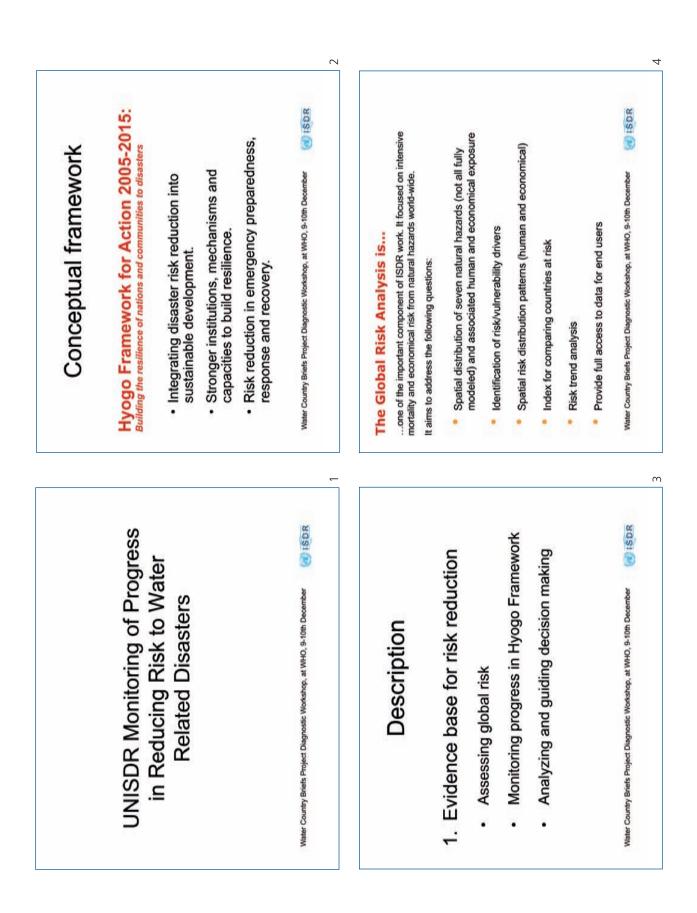


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- JMP benefits from national data already available and nationally representative (Around 1 200 national data sets for over 200 countries/territories: 729 nationally representative household surveys, 152 national censuses, 318 administratively reported data)
- More and more surveys available (now every 2 to 5 years) and improvement of data quality
- Data reconciliation processes are being conducted in approximately 60 countries to improve mutual understanding and monitoring methods.
 - Improving connections with NSOs and other sector agencies
- Connection with other international monitoring agencies (IHSN) and other initiatives (GLAAS, CSO)
- New collaborations developing to improve national monitoring (WaterAid, GTZ, WSP...)





Main indicators/massages	Coudi	- Impacts of disasters	 Levels of risk 		 Climate change trends on extremes and 	rick		Emerging	 Effectiveness of investments in reducing 	risk (cost/benefit)		Water Country Briefs Project Diagnostic Workshop, at WHO, 9-10th December	Data gaps/opportunities/barriers		 Lack of information on infrastructure at risk to disasters 	 Lack of data, from water sector, on water related disasters impacts (socio/economic)
Progress reported by 102 countries	eropoo Federarom - Esperanția estames - Talveis a Interio - estantan - estanțianest estatetat	Marchan avera MFA National Progress Reports Marchan (Marchan) Progress Reports Marchan (Marchan) Marchan (Marchan) Marchan (Marchan) Marchan (Marchan) Marchan (Marchan) Marchan (Marchan) Marchan Marcha		and an analysis of the second se	- Mit Nitanty 4 - Mit Namet 5	With Theme Research Total Franchises (21) With Research Total To	Bidd Assessment Neger (2) Approx National program regist in the No. By Distribution of 64 (2) Approx National Providence of Control of the Approx National A	Monitorial Bioliferent Sey Disconcertained Technistic program inspection PLANAT, FOOR 2009 Disconcertained Technistics of 2004 PLANAT, FOOR 2009 Disconcertained Technistics of 2004 PLANAT, FOOR	 Sevelue Advect program report in the processment of the light finance and the Advect 2007 Sevelue and the Advect 2007 Sevelue and the Advect and Advect and the Advect andvect and the Advect and the Advect andvect and the Advect an	 Germanier hidroniel propriese report an the processing of the mysel intervention for advanced of the mysel. The processing of the processing control of the mysel of the processing of the mysel of the mysel of the mysel of the mysel of the processing of the mysel of	 Chronit theophilic internet program report. CloCoRS, Clorek Republic - pro- or the representation of the report herements for A solary CORF. 	Water Country Briefs Project Diagnostic Workshop, at WHO, 9-10th December (1) 15 D.R	Main questions	 Decisions taken every day in the water sector 	can increase or reduce risk to natural hazards and climate change	 Addressing water related nazard risk requires a broad set of actions (institutional, risk assessment, early warning, awareness, risk

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and risk reflected in the disaster risk reduction framework sharing/insurance, prepardness and response) assessment, early warning, awareness, risk

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ISDR

Water Country Briefs Project Diagnostic Workshop, at WHO, 9-10th December



- Investment required to reduce risk to natural hazards
- Water storage and distribution
- Investments required to reduce risk of floods and droughts by water sector

Water Country Briefs Project Diagnostic Workshop, at WHO, 9-10th December

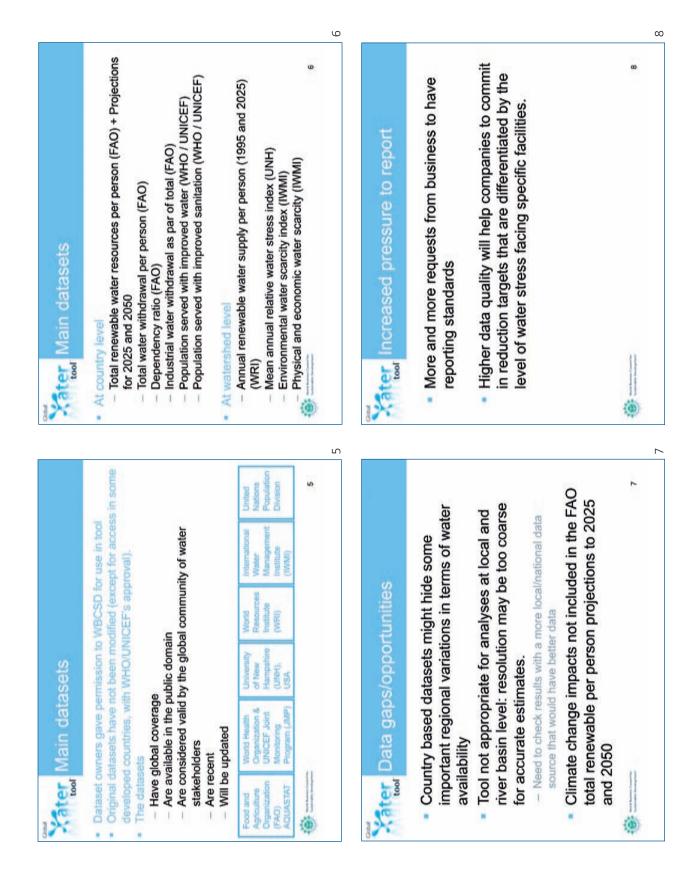
Recommendations and contributions to Water Country Briefs project

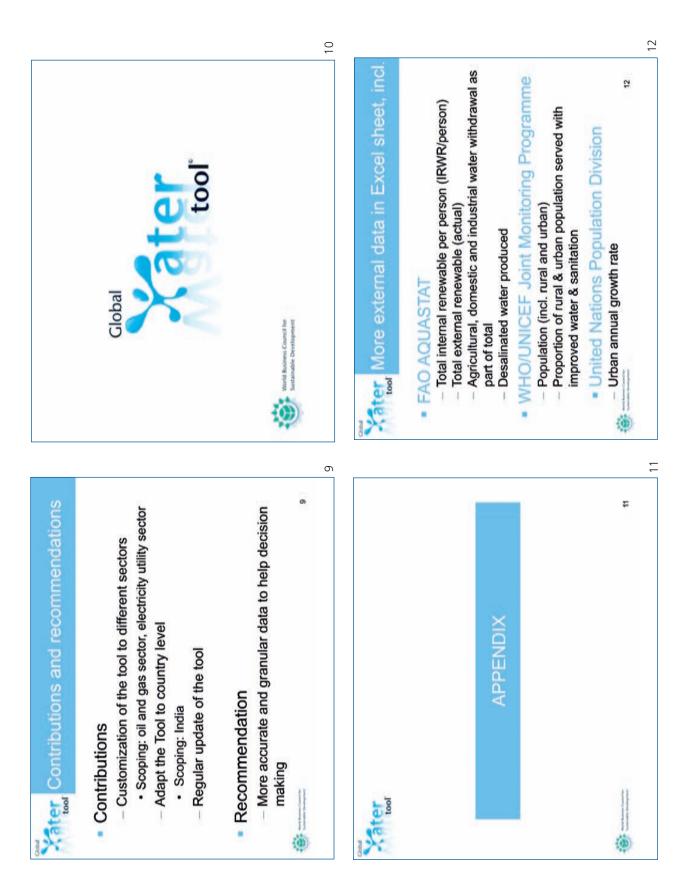
- Definition of level of risk of water sector operations regarding different natural hazards. i.e. use of cost/benefit for retrofitting existing installations and additional cost of new ones
- Review water sectors responsibilities regarding flood and drought risk, effective assessment of risk, engagement with other national actors....

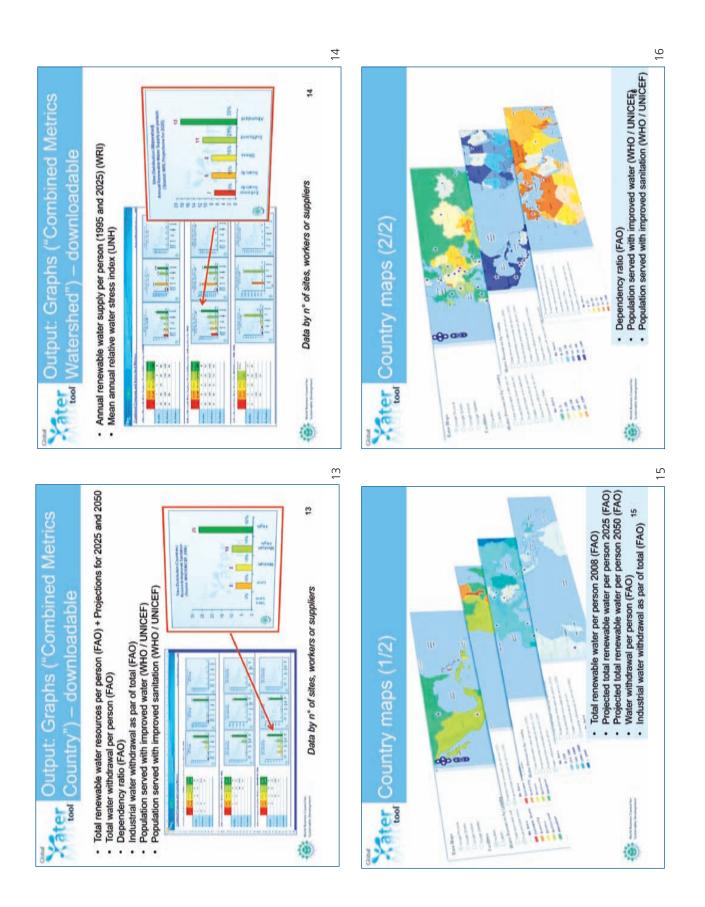
Water Country Briefs Project Diagnostic Workshop, at WHO, 9-10th December

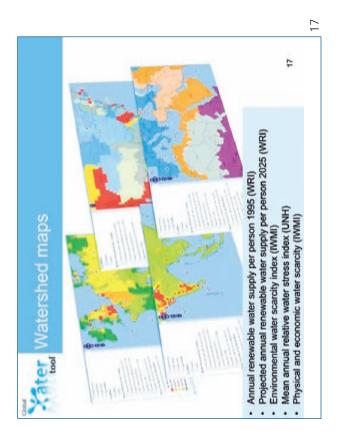
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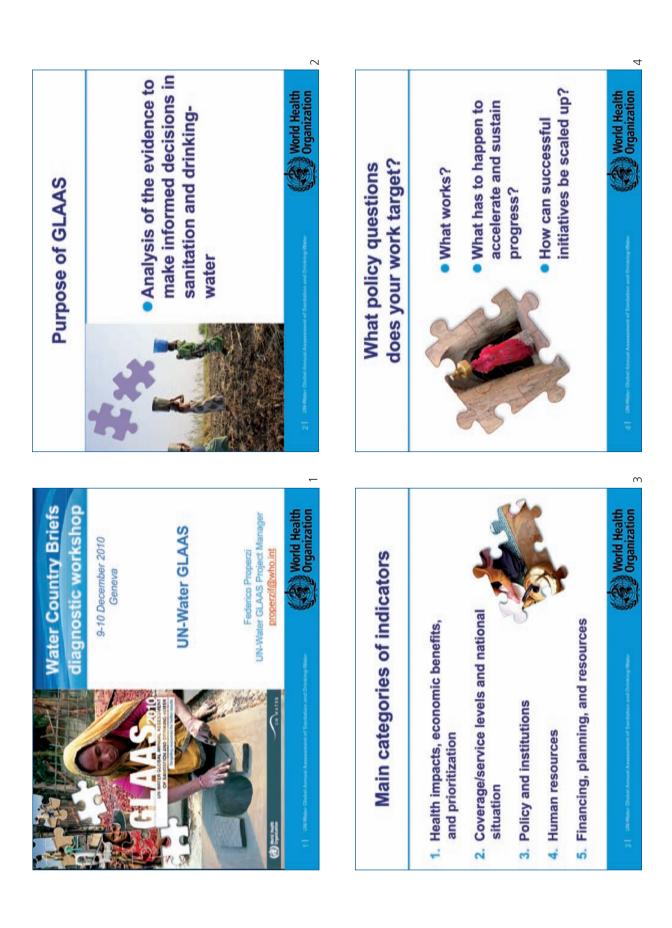




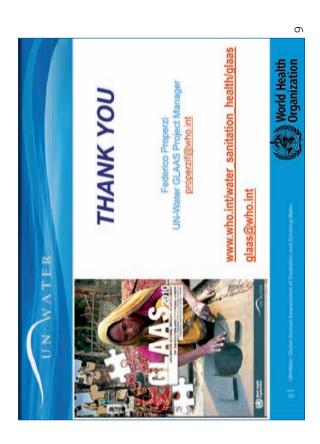


















UN system-wide effort to

-develop better understanding of the processes, management practices and policies that will help improve the supply and quality of global freshwater resources.

*essess and report on state, use and management of world's freshwater resources and demands on these resources, define critical problems and assess ability of nations to cope with water-related stress and conflict

Specific Objectives

Help countries develop their own assessment capacity; Raise awareness on current and future water related challenges to influence the global water agenda; Learn and respond to the needs of decision makers and water resource managers,

Promote gender and cultural balance;
 Measure progness towards achieving sustainable use of water resources through

measure progress whereas duillering sustaination use of material resources an organ robust indicators; and

 Support anticipatory decision-making on the global water system including identification of alternative futures



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issue	Indicator	Main data source (+ other for improved monitoring)
Water	1-TARWR/cap	AQUASTAT (+ WMO, IGRAC, countries)
context	2-% national expenditure for water sector (WSS,) over total expenditure	UNSD (+ WHO/GLAAS)
Climate change	3-Total storage (SW & GW)/ Total Internal water (SW & GW)	AQUASTAT (+ ICOLD, IGRAC, countries)
Pressure on Water	Pressure on 4-Total withdrawals/TARWR	AQUASTAT (+ UN-Habitat, IWA, UNIDO, countries)
Use off stream	5-Share of agricultural, domestic. Industrial withdrawals / Total	AQUASTAT (+ UN-Habitat, IWA, UNIDO, countries)
Use On stream	6-Evolution of inland fish catch (capture) and production (aquaculture)	FAO-Fishstat
Use & Trade	7-Share of blue, green, virtual water used to produce food in a country	FAO, AQUASTAT; UNESCO/IHE- Delf,

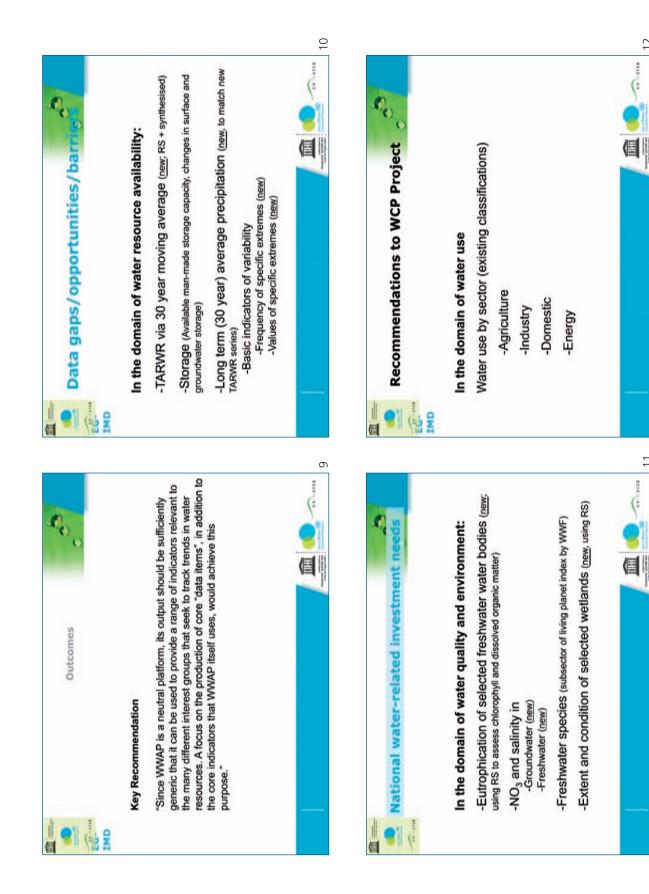


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