

<b>TOPIC SESSION REPORT – TOPIC 1.1</b>		<b>Chair:</b> Henk van Schaik..... <b>Reporters:</b> Åse Johannessen, Marloes Bakker .....		
<u>Theme:</u> Global Change & Risk Management  <u>Thematic coordination group:</u> Co-operative Programme on Water and Climate (CPWC), Global Water Partnership (GWP), IUCN, International Water Association (IWA), Green Cross International, United Nations Educational, Scientific and Cultural Organization (UNESCO), World Water Council (WWC), World Bank, Danish Government		<u>Thematic coordination lead:</u> Organization: CPWC.....  Name contact person: Henk van Schaik .....  e-mail: h.vanschaik@unesco-ihc.org.....		
<u>Topic:</u> Adapting to climate change: understanding the impacts of climate change, vulnerability assessments and adaptation measures for water resources.  <u>Topic Main Question:</u> <b>How can water resource managers, major water user groups and affected stakeholders adapt to the consequences of climate variability and change in the near and longer term?</b>  <u>Topic coordination group:</u> To be assigned.		Topic coordination lead: Organization: To be assigned.....  Name contact person: To be assigned.....  e-mail: To be assigned.....		
<u>Key Topic Issues:</u> <ul style="list-style-type: none"> <li>• Presentation of the current state of knowledge on climate impacts on water services and water resources and its relevance for water management.</li> <li>• Interactive discussion and debate (i.e., with panel) on national and/or village level impact</li> <li>• Making climate information (incl. models, hydrology, meteorology, modelling) data relevant for water management and water services.</li> <li>• Decision making and mainstreaming climate in water management strategies under uncertainty (national and regional adaptation planning).</li> <li>• Response options; hard and soft methods and costs to adapt to climate change.</li> </ul>				
Sessions Ideas	Session Question(s)	Initial list of Stakeholders to be involved (to be completed after call for participation)	Stakeholder consultation process/meetings	Proposed Session Coordination and convening group
Title:  <b>1. Presentation of the State of Knowledge on Climate Impacts</b>	Question :  Do we understand the impacts of climate change on the water cycle?	<ul style="list-style-type: none"> <li>• IPCC</li> <li>• EU (Green Paper)</li> <li>• WWDR</li> <li>• WMO</li> </ul>	Not identified.	Organizations: To be assigned.

<p><b>upon Water Resources and Water Services followed by Debate [panel and participants] on the Relevance for Local Actions</b></p> <p>Key Ideas:</p> <ul style="list-style-type: none"> <li>• Bring tacit knowledge from the local level into the debate</li> <li>• Action oriented (examples, case studies).</li> </ul>	<p>Regional sensitivity: high – medium - low</p>	<ul style="list-style-type: none"> <li>• FAO</li> <li>• ICID</li> <li>• UNFCCC (Bali Action Plan)</li> <li>• UN-University</li> <li>• ICID</li> <li>• AWC</li> <li>• WB</li> <li>• EC (White paper, council action)</li> <li>• WWDR</li> <li>• Blue Planet</li> <li>• UNEP (GEO)</li> <li>• UNEP/MAP/Plan Blue</li> <li>• AMCOW</li> <li>• UNFCCC</li> </ul> <p><b>Check Balance</b> Regions: OK – Not OK Equity Gender – Youth – Ind. People</p>		<p>Name contact person: To be assigned.</p> <p>e-mail: To be assigned.</p>
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<p>Title:</p> <p><b>2. Assessment of Vulnerabilities and Hot Spots</b></p>	<p>Question :</p> <p>How to assess the vulnerabilities (and hot spots) on water resources and water services?</p> <p>Regional sensitivity: high – medium - low</p>	<ul style="list-style-type: none"> <li>• World Bank</li> <li>• Bilateral Agencies</li> <li>• UNEP</li> <li>• GEF agencies</li> <li>• WWDR</li> <li>• UN-University (case studies on vulnerability indicators)</li> <li>• WHYMP (global map of hotspots and vulnerable areas)</li> <li>• UNESCO centre in Japan (focus on disasters)</li> <li>• IPCC</li> <li>• South Pacific Applied GeoScience Commission (SoPAC)</li> <li>• Participation of academic</li> </ul>	<p>Not identified.</p>	<p>Organizations: To be assigned.</p> <p>Name contact person: To be assigned.</p> <p>e-mail: To be assigned.</p>

		<p>world (neutral!), scientists/universities (for identification of vulnerabilities)</p> <ul style="list-style-type: none"><li>• EU</li><li>• AMCOW</li></ul> <p><b>Check Balance</b> Regions: OK – Not OK Equity Gender – Youth – Ind. People</p>		
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<p>Title:</p> <p><b>3. Making climate information relevant for water management and water services.</b></p> <p>-- or --</p> <p><b>Needs, constraints, barriers, and capacity to create responses from climate data and information.</b></p>	<p>Questions:</p> <ul style="list-style-type: none"> <li>What type of climate related information do water managers and water services managers at the local level need to successfully adapt to climate change?</li> <li>How can climate related information better inform water management policies and practices?</li> </ul> <p><b>Check Regional sensitivity:</b> high – medium - low</p>	<ul style="list-style-type: none"> <li>WMO</li> <li>National Hydro-meteorological services (NHMOs)</li> <li>EC DG research DGs (6<sup>th</sup>, 7<sup>th</sup> FP and other DGs)</li> <li>IPCC</li> <li>IRI (seasonal forecasting)</li> <li>Hydrological research centers and consulting firms</li> <li>Climate research centers</li> <li>Sahel (SSO)</li> <li>CSIR</li> <li>DSI</li> <li>DMI, Turkish Met Service</li> <li>African institutions</li> <li>UNESCO</li> <li>GWSP (Daniel Petri)</li> <li>Ouranos (Rick Connor)</li> </ul> <p><b>Check Balance</b> Regions: OK – Not OK Equity: Gender – Youth – Ind. People</p>	Not identified.	<p>Organizations: To be assigned.</p> <p>Name contact person: To be assigned.</p> <p>e-mail: To be assigned.</p>
Sessions Idea	Session Question(s)	Stakeholders to be involved	Stakeholder consultation meetings	Proposed Session Coordination and convening group
<p>Title:</p> <p><b>4. Decision making under uncertainty.</b></p> <p>Key issues Does not only involve politicians, but also the private sector and public.</p>	<p>Questions :</p> <ul style="list-style-type: none"> <li>How to share risks between different stakeholders under uncertainty?</li> <li>What type of climate related information do water managers and water services managers at the local level need to successfully adapt to climate change?</li> </ul>	<ul style="list-style-type: none"> <li>GWP</li> <li>AWC</li> <li>WMO</li> <li>Danish Government</li> <li>World Bank</li> <li>SICA</li> <li>GWA</li> <li>Plan Blue</li> <li>CPWC (case studies on national adaptation programs)</li> <li>Country cases</li> <li>IWRA</li> <li>DSI (Turkey)</li> </ul>	Not identified.	<p>Organizations: To be assigned.</p> <p>Name contact person: To be assigned.</p> <p>e-mail: To be assigned.</p>

	<ul style="list-style-type: none"> <li>How can climate related information better inform water management policies and practices?</li> </ul> <p><b>Check Regional sensitivity:</b> high – medium - low</p>	<ul style="list-style-type: none"> <li>Government of Tunisia (just finished their national adaptation strategy)</li> <li>Turkish Ministry of Agriculture</li> <li>IFAS</li> <li>AMCOW</li> <li>UNESCO</li> <li>National governments</li> </ul> <p><b>Check Balance</b> Regions: OK – Not OK Equity: Gender – Youth – Ind. People</p>		
Sessions Idea	Session Question(s)	Stakeholders to be involved	Stakeholder consultation meetings	Proposed Session Coordination and convening group
<p>Title:</p> <p><b>5. Decision making and mainstreaming climate in water management strategies under uncertainty (national and regional adaptation planning).</b></p> <p><i>Description:</i></p> <ul style="list-style-type: none"> <li>National water related adaptation planning</li> <li>Best practices, strategies, emerging methodologies, tools and approaches will be presented and discussed for further sharing</li> </ul>	<p>Question :</p> <p>How can climate risks be incorporated in water management strategies, including WRM?</p> <p>What type of climate related information do water managers and water services managers at the local level need to successfully adapt to climate change?</p> <p>How can climate related information better inform water management policies and practices?</p> <p><b>Check Regional sensitivity:</b> high – medium – low</p>	<ul style="list-style-type: none"> <li>GWP</li> <li>AWC</li> <li>WMO</li> <li>Danish Government</li> <li>World Bank</li> <li>SICA</li> <li>GWA</li> <li>Plan Blue</li> <li>CPWC (case studies on national adaptation programs)</li> <li>Country cases</li> <li>IWRA</li> <li>DSI (Turkey)</li> <li>Government of Tunisia (just finished their national adaptation strategy)</li> <li>Turkish Ministry of Agriculture</li> <li>IFAS</li> <li>AMCOW</li> <li>UNESCO</li> <li>National governments</li> </ul>		<p><b>Organizations:</b> To be assigned.</p> <p>Name contact person: Name contact person: To be assigned. e-mail: e-mail: To be assigned.</p>

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<p>Session Idea</p> <p>Title</p> <p><b>6. Response options: hard and soft methods and costs to adapt to climate change.</b></p> <p>Key points</p> <ul style="list-style-type: none"> <li>Reviews of actual adaptations; traditional methods and cultural responses</li> <li>Innovative</li> <li>Cultural capacity and human ingenuity of societies</li> <li>Need for capacity building</li> </ul>	<p>Question :</p> <p>What methods and hard and soft measures are available to resource managers and major water user groups and affected stakeholders to cope with climate change?</p> <p><b>Check Regional sensitivity:</b> high – medium - low</p>	<ul style="list-style-type: none"> <li>Engineers, biologists, economists, anthropologists, archeologists</li> <li>Engineering associations / professional associations like ICID, IWA, AWRA, AWWA</li> <li>UNDP</li> <li>World Bank / Dutch Government</li> <li>OECD</li> <li>Munich Re</li> <li>Soft side: anthropologists, sociologists</li> <li>GWA: community based organizations</li> <li>Oxfam (mainstreaming water in their activities)</li> <li>Water Aid</li> <li>IISD</li> <li>GWA</li> <li>JIACA</li> <li>(VICA?)</li> <li>Local government</li> <li>Major groups (youth)</li> <li>ICOLD</li> <li>Groundwater associations</li> <li>UNEP DDP</li> <li>SSO</li> </ul> <p><b>Check Balance</b> Regions: OK – Not OK Equity: Gender – Youth – Ind. People</p>		<p>Organizations: To be assigned.</p> <p>Name contact person: To be assigned.</p> <p>e-mail: To be assigned.</p>

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<u>Idea for consideration</u>  Title  7. Engagement of youth for climate change and water  8. Policymakers session?	Question :  Not discussed.           <b>Check Regional sensitivity:</b> high – medium - low	<ul style="list-style-type: none"> <li>• GWP</li> <li>• AWC</li> <li>• WMO</li> <li>• Danish Government</li> <li>• World Bank</li> <li>• SICA</li> <li>• GWA</li> <li>• Plan Blue</li> <li>• CPWC (case studies on national adaptation programs)</li> <li>• Country cases</li> <li>• IWRA</li> <li>• DSI (Turkey)</li> <li>• Government of Tunisia (just finished their national adaptation strategy)</li> <li>• Turkish Ministry of Agriculture</li> <li>• IFAS</li> <li>• AMCOW</li> <li>• UNESCO</li> <li>• National governments</li> </ul> <b>Check Balance</b> Regions: OK – Not OK Equity: Gender – Youth – Ind. People		Organizations: To be assigned.   To be assigned. Name contact person:   e-mail: To be assigned.



#### Suggestions and Comments

Sessions 4, 5 and 8 might be merged under one key issue, namely “Decision making and mainstreaming climate in water management strategies under uncertainty (national and regional adaptation planning)”.

The session for engagement of youth might already be captured by the Special Youth Forum.