

### Minutes of TEC meeting, October 11-12, 2016;

TEC members: Jerry D. Priscoli, Dan Tarlock, Madiodio Niasse, Nicole Bernex, Eelco van Beek, Adrian Cashman, Kala Vairavamoorthy (by phone), Mike Young (did not manage to be connected by skype)

GWPO Staff: Danka Thalmeinerova

Invited participants: Winston Yu (WB) – October 11

The meeting and workshop on October 12 was hosted by IWR USA Corps of Engineers in Alexandria – about 20 participants from the Institute took part.

REMARK: the draft TEC Work plan 2017 is an integral part of this minutes

Abbreviations: PP (perspectives paper), BP (background paper), TFP (technical focus paper), WP (workplan)

ITEM/Discussion	Action taken/Decision	Who is in charge	Timing/deadlines
The meeting was held in the World Bank (October 11). Winton Yu of the WB attended the TEC meeting (he was confirmed by the WB to joint TEC from January 2017). On October 12, TEC was received by the Institute of Water Resources of USACE. The visit of IWR was a combination of the TEC meeting and the workshop on Collaborative Modelling. Key speakers at the workshop were from Deltares (Laura Basco Carrera) and IWR (Guillermo Mendoza). Details on the workshop – see below minutes. TEC is thankful to WB and IWR for hosting the TEC members.			
TEC meeting: Introduction by Jerry and feedback from GWPO staff meeting provided. The shift of mode of operation of TEC includes: <ul style="list-style-type: none"> <li>- Development of Knowledge products that include experts from RWPs and Knowledge partners rather than one TEC member per one TEC paper</li> <li>- Better communication of Knowledge products should include follow up the intake (cap building events, workshops)</li> </ul> A high appreciation that TEC Chair and TEC vice-Chair were invited to GWPO staff meeting/re-treat	Fill out the Knowledge partners details – to be added to GWP Work Programme 2017-2019	Danka to ask TEC members	October 30, 2016
<b>Part 1: On-going activities</b>			
<i>PP on Ecosystem Services</i> was edited but was pending the publishing. The lead author (Nicole) was in disagreement with some changes made. Also, the paper needs to address SDGs. Follow up: <ul style="list-style-type: none"> <li>- After the publishing, explore interest from RWPs to continue with BP to address issues of ecological aspects in IWRM processes</li> <li>- Involve knowledge partners that might have an interest to cooperate on environmental flows (e.g. UNESCO-IHE)</li> </ul> The further activities will be clarified in mid-2017 (no budget and plan crystalized at this	PP to be submitted for design/layout and print after the final submission in two weeks to Jerry	Nicole  Danka to arrange publishing process	October 25, 2016  November 30, 2016  Further discussion at Spring 2017 mtg

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moment)			
<p><b>BP on Coordinated land and water governance for food security – Equity, gender and efficiency considerations</b> emphasizes the importance to pay attention to land management when managing water resources. The concept note was broadly shared with the GWP Network for the input. There was no feedback or contribution from RWPs, CWPs (except ILC units). Thus, the lead author will make a review of case studies from the existing literature. Zero draft will be circulated internally for further development in 2017 (include into Workplan 2017)</p>	Develop the zero draft of BP	Madiodio Danka to insert to WP2017	November 7, 2016
<p><b>TFP on IWRM in Central America</b> GWP CAM finalized the first draft of the TFP on IWRM implementation in CAM; challenge of Transboundary Management. The paper lacks details and in-depth analysis and messages, however, it improved a lot from the zero draft. There are several good case studies, but link to conclusions is weak. Authors provided a lot of information that are valuable to be shared. Aspects of transboundary cooperation are well addressed, but overall paper does not go beyond the description. Dan and Adrian will encourage the authors to make a synthesis. Also, a diagram of timelines of evolution of cooperation would get good thread to read the paper. Other interesting thing is to connect how colonial powers influenced the WRM development. A plan is to complete paper by the end of the year. Need to consult with GWP CAM a good occasion for the launch.</p>	<p>Provide guidance to finalize TFP</p> <p>Contract editor (Melvyn) for Context and Layout editing</p> <p>GWP CAM to submit the final paper for publishing</p>	<p>Dan and Adrian</p> <p>Danka in collaboration with GWP CAM to launch paper</p>	<p>October 21</p> <p>October 30</p> <p>November 15 (final)</p> <p>December 31 (print) 2017 - launch</p>
<p><b>GWP IWRM ToolBox</b> A new version of ToolBox is being developed and IWRM Tools will be re-structured. Danka presented a new structure. TEC members are requested to peer review the text of tools. Potentially, suggest new tools and case studies. The ToolBox web site is being migrated to a new IT platform and will be launched in beginning of 2017</p>	Revision of ToolBox text	All TEC members to provide comments to text	October 31
<b>Part 2: Agreed activities included in revised TEC Workplan 2016</b>			
<p><b>Contribution to paper on Benefits of Action and Cost of Inaction (Ba/Ci)</b> Eelco informed on the Task Force organized under WMO with the GWP involvement on the development of the paper on Ba/Ci. He also pointed out, that TEC knowledge products pose about 10% of all knowledge products generated by different units of GWP/RWPs or GWP in cooperation with other organizations. This paper is such example; the Ba/Ci paper draft focuses strongly on West/US cases with no attention to developing countries. In addition, under Integrated Flood Program and Integrated Drought Program there is a pile of knowledge products (with GWP logos) with no involvement of TEC. Although TEC was invited to join various expert groups to develop these papers, TEC was inactive. It is strongly recommended to change this position of TEC and be more involved in the activities that are managed by Network officers.  TEC is requested to review Framework Document and provide comments to a draft of Ba/Ci</p>	<p>All to provide comments on WMO/GWP Framework document (directly to Frederik)</p> <p>All to provide comments on Ba/Ci paper (when shared by WMO)</p> <p>Draft concrete TEC</p>	<p>Eelco</p> <p>Eelco/Jerry Danka to incorporate into WP 2017</p>	<p>November 15</p> <p>November 7, 2016</p>

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<p>paper. The paper will emphasize on proactive approach in tackling droughts. Currently, providing the right amount of water in the right place at the right time is not included in IDM, but is fully considered in IWRM. A role of TEC is to define how IDM fits in the total framework of IWRM. Reference needs to be made to OECD/GWP Report which draws a bigger picture. TEC will consider to develop a BP in 2017 (to be budgeted and incl in WP2017)</p>	<p>activities for 2017</p>		
<p><b>PP an Insurance as DRR Tool.</b> This is a request from GWPO (WACDEP and IDMP) to support the development of the PP addressing insurance (followed Paris Agreement). Concept note was developed by Adrian and commented by some TEC members. The insurance in water sector is used in economies with advanced governance, advanced market and advanced financial institutions. A question is how to address other situations. Another angle is to avoid recognition of insurance schemes to replace investments in WRM. Deep analysis is needed due to the fact of complexity of insurance schemes as well. some opinions are also that water specialists should not “come close to insurance business” as they might be opposed (moral hazard). The PP will be developed with some “to-do” and “not-to-do” alerts:</p> <ul style="list-style-type: none"> <li>- Debate should not be about yes – no to insurance, but about how can insurance contribute to development and investments to avoid damages development</li> <li>- Be careful in exporting lessons from the West on how to introduce insurance system in developing world</li> <li>- Be attentive to conditionality to get insurance and conditionality to receive insurance</li> <li>- Be sensitive to looking at “re-pay damage” and “avoid future damage”.</li> <li>- What are ways and means in which we can reduce damage and human suffering through insurance?</li> <li>- Need to understand whether the disaster risks are insurable and whether insurance against natural catastrophes is available</li> <li>- Insurance and prevention are two responses to risks which seem to conflict with each other, how to address it? Or how to make them complementary a bit like humanitarian and development not necessarily either – or.</li> </ul> <p>PP will be developed (support from external consultants needed) – include in WP/budget 2017</p>	<p>Identify potential co-authors outside of GWP</p> <p>Develop zero draft paper</p>	<p>Adrian (leading) with input from Jerry, Eelco, Dan, Mike</p> <p>Danka to insert activity in WP2017</p>	<p>End December 2016 (zero draft)</p> <p>Spring 2017 (first draft)</p> <p>August 2017 target to launch the paper</p>
<p><b>PP on Collaborative Modelling.</b> This was a part of the workshop hosted by IWR. Introductory presentation was made by Laura (Deltares) and Guillermo (IWR). Key research questions set up the base for the discussion: How to operationalize IWRM and Water Security? Traditional planning process is lacking a combination of decision support system modelling (technical aspects) with stakeholder participation and ownership (social, cultural, other). Collaborative modelling was developed by US Corps of Engineers and tested in several research oriented projects. It is a set of tools benefitting both technical expertise and participatory approaches – a core of IWRM. Concept Note and Draft PP were disseminated to TEC members for their input.</p>	<p>Finalize PP</p> <p>Plan for 1 training (concept, agenda, trainers, budget, location)</p>	<p>Eelco (Laura) with comments from all TEC members</p> <p>Eelco with Danka</p>	<p>November 2016 Paper print in early 2017</p> <p>November 7</p>

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<p>The follow up:</p> <ul style="list-style-type: none"> <li>- Complete PP (with external knowledge partners)</li> <li>- Develop a Roadmap for further testing the collaborative tools at training targeted to regional and country GWPs (in 2017, one training envisaged; in case of funds and interest more training events organized)</li> <li>- Develop a BP to validate the training lessons learnt</li> </ul>	Zero Draft BP	tbd	Spring 2017
<b>Part 3: TEC and global/regional agenda</b>			
<p>GWP and GWPO requested TEC to support various activities as follows:</p> <ol style="list-style-type: none"> <li>1. International Water Law: there is a series of training conducted in 2013 – 2015 (Dundee) and 2015-2016 (GWPO driven in Africa). A plan is to capitalize on all lessons learnt and develop a Training Handbook (Manual) with the full papers. TEC expertise (Dan) needed to review and supervise the development of the IWL Training Handbook for Africa GWPs and Asia GWPs. It also includes a need to attend June 2017 IWL training also to include more on building transboundary institutions and perhaps update more on negotiations and conflict management</li> <li>2. PP on Measuring Transboundary Cooperation and the SDGs. It is a GWPO initiative to support promotion of SDG6.5. The concept note developed by Melisa (PhD from Oregon Uni, currently intern supervised by Angela). It was suggested that the proposed paper would fit better <u>for BP</u> (not PP) and to be used as the resource knowledge product at IWL training. Plan to have final draft in December 2016 with publishing in early 2017. Include into WP2017</li> <li>3. Nicole presented the first results of WACDEP in South America (running the third year). A specific pilot area is Santa Eulalia catchment and Lima agglomeration. The results include the adoption of regulation by the Ministry, testing the permit system for agriculture, study on payment for eco services. The program has a strong cap building component (study on harvesting and several PhD students). It is recommended to GWP SAM to develop TFP on lessons learnt from WACDEP SAM. Include into WP2017</li> <li>4. Water – Food Nexus program in Sub-Sahara Africa: the GWPO initiated a Nexus Programme involving NEPAD, CFS of UN and French Facility for Global Environment. The program envisages knowledge component to be led by regional/country GWPs. It is suggested to develop a PP to mobilize partner organizations to join the Program. A TEC expertise (Madiodio) is required for this initiative. Include into WP 2017</li> </ol>	<p>Contribute to IWL</p> <p>Develop first draft BP</p> <p>Identify key authors and Develop a publication proposal</p> <p>Contribute to a development of Nexus Program</p>	<p>Dan (15 days in 2017)</p> <p>Angela (Melisa) supervised by Dan/Jerry Danka to insert into WP2017</p> <p>Nicole</p> <p>Madiodio (15 days in 2017)</p>	<p>June 2017 (training) December 2017 (Module)</p> <p>December 20, 2016</p> <p>April 2017 (print)</p> <p>Spring 2017 TEC mtg</p> <p>To be specified by Manuel</p>
<b>Part 4: Emerging TEC agenda (new proposals for future activities)</b>			

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<p><b>BP on IUWM; An idea whose time has come</b> – a proposal presented by Kala. It builds on previous year engagement with GWPO program on IUWM. The paper will present innovative approaches rather than theoretical explanation of IUWM concept. It will include review of technologies that enable more re-use (of water and waste), need for distributed systems that minimize footprint, benefits and opportunities in IUWM to recognize the whole water and waste cycle in WASH with IWRM dimension. Include into WP 2017.</p>	Develop zero draft of BP	Kala	Spring 2017 TEC meeting  End 2017 publishing
<p><b>Competition IWRM:</b> A Concept Brief was developed upon the request of ES and TEC Chair. It envisages an organization of competition to receive good cases of IWRM implementation. The collection of cases that will illustrate and analyze “I” (integrated): what, why and how was integrated. Concept Brief was reviewed by GWPO, several issues are of concerns due to unclear terms of competition, process and details for both applicants and potential jury. In general, the competition is perceived as a good idea that will bring a GWP signature on implementation of IWRM in a real conditions. However, it was also discussed that there might be a “short cut” to receive good stories documented from GWP activities that could be presented at WWF 8. Jerry also approached WWC to join the competition with a limited interest (due to lack of WWC resources to be involved). Recommendation of TEC is to pursue with the IWRM Competition once more details are available. TEC members were requested to provide comments to the Concept Brief. Jerry will elaborate a Roadmap, Terms of IWRM Competition and detailed requirements for both applicants and jury. As it is GWP activity – it will be embedded into GWPO WP and budget</p>	<p>Finalize Concept Brief based upon TEC members comments</p> <p>Develop Criteria for Competition and Terms for Jury members</p> <p>Launch Competition</p>	<p>Jerry supported by all TEC members</p> <p>Jerry</p> <p>Danka in cooperation with Communication Unit</p>	<p>November 7</p> <p>November 7</p> <p>Not later than March 2017</p>
<p><b>Others ideas to be explored:</b></p> <ul style="list-style-type: none"> <li>- Plan for knowledge product on Allocation, Infrastructure and IWRM</li> <li>- Information on Learning Deltas proposal</li> <li>- Benefit Cost Analysis for investments in DRR in major world cities (Jerry to explore more with with knowledge partner Barraque in France, the UN SG’s HL on water and disasters perhaps Singapore). This relates also to PP on Insurance and contribution to Ba/Ci paper.</li> </ul>		Eelco/Jerry Eelco Jerry	
<b>Part 5: TEC mode of operandi</b>			
<ul style="list-style-type: none"> <li>- TEC members agreed to have a Vice Chair to support TEC Chair in liaison with programmatic aspects of GWP agenda</li> <li>- TEC negotiated with WB, ADB and OECD to second the experts for TEC. So far, a positive response came from WB</li> </ul>			

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<ul style="list-style-type: none"> <li>- Winston Yu (World Bank) was identified to be a new TEC member seconded from WB</li> <li>- TEC welcomes the contribution from knowledge partners and will support an involvement of young PhD students in the work (in 2017 – Melisa and Laura)</li> <li>- Next meeting in Spring 2017 – suggested to be in WAF GWP (combined with workshop for partners from WAF on agenda of interest for this particular regional GWP)</li> </ul>			

Some photos – next page



TEC members surrounded by IWR USACE staff



Jerry received a Letter of Appreciation for > 30 years of work



Some moments of the Workshop on Collaborative Modelling