

The GEWEX Regional Hydroclimate Projects and Related Activities in High Mountain Regions and Asia

***Peter van Oevelen**

gewex@gewex.org

International GEWEX Project Office, Washington, DC, USA

The GEWEX Regional Hydroclimate Projects have proven themselves to be effective and impactful science activities both at the regional level as well as global. The volunteer aspect of international regional collaboration is a powerful way to engage the scientific community as well as regional stakeholders with a strong emphasis on local and regional needs.

GEWEX under the umbrella of the World Climate Research Programme continues to focus on fundamental science related to the energy and water cycle processes that are fundamental to our climate and weather. In this presentation I will give a short overview of on-going and planned activities with respect to other regional hydroclimate projects as well as focus on activities related to high mountains. The latter continues to be a difficult yet highly relevant research area where much improvement both in observations as well as in modeling efforts is needed. In addition, a new and exciting proposed observational network set up to observe the PBL will be shown that might be of interest to the community of AsiaPEX and potentially can be implemented.