

GEWEX Activities in Third Pole Environment and its relation to other global activities

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This presentation will give an overview of the current and planned activities of the Global Energy and Water Cycle Exchanges core project (GEWEX) of the World Climate Research Programme (WCRP). The GEWEX community's research focusses on the water and energy exchanges near, above and below the earth's surface. Much of the research is mainly fundamental and geophysical in nature. Since a couple of years however GEWEX is incorporating the human dimension into its research activities. In particular the GEWEX led WCRP Grand Challenge "Water for the Food Baskets of the World" aims to strengthen that aspect. To that effect several key regions have been identified as focal points. In addition, the INARCH activity connects mountain hydrology research in the various world mountain regions along with the GEWEX Regional Hydroclimate Projects (RHPs) for which several new ones are in development. A case is given for why coordination between these efforts is crucial and how its benefits the scientific community each of these regions and beyond.