

# Central Asia

## The Need for a Regional Hydroclimate Project

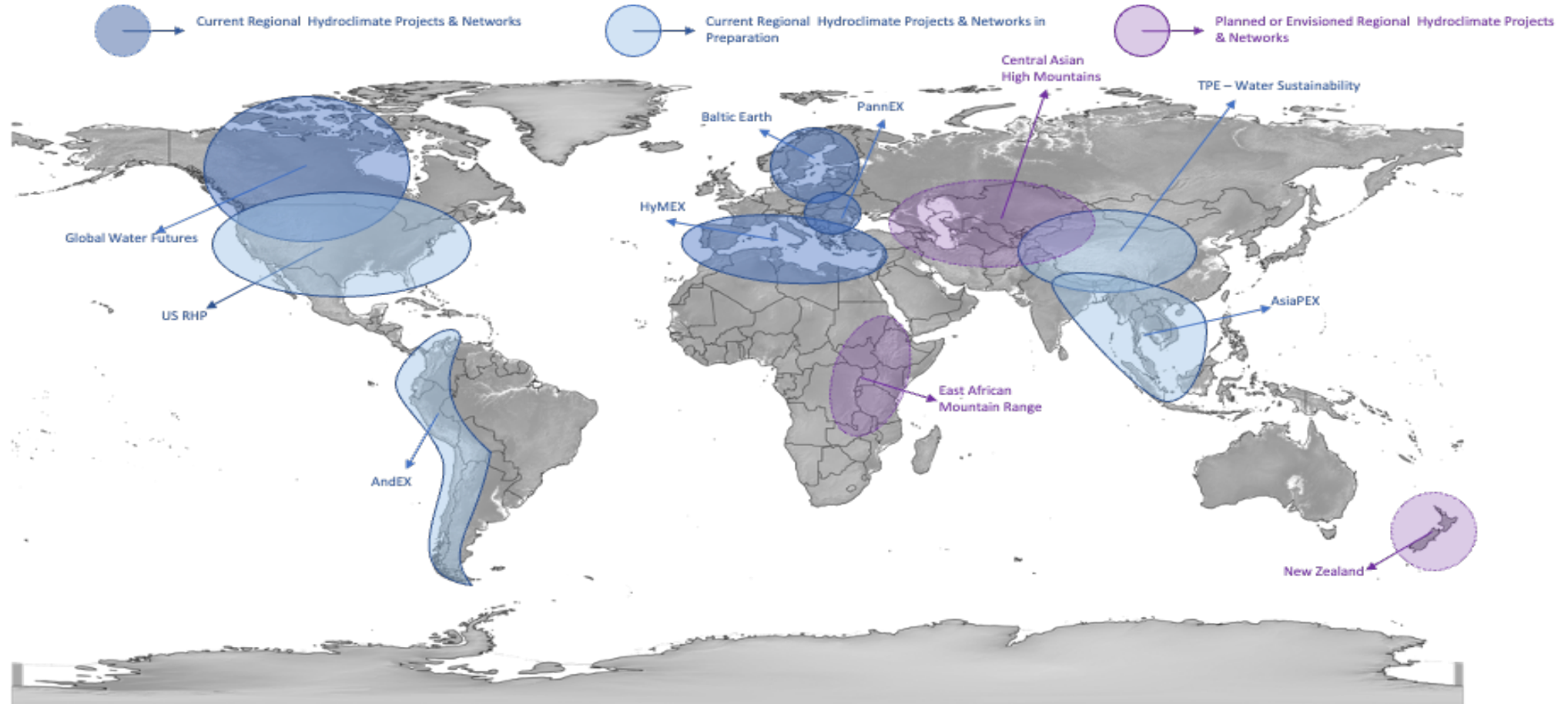
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# The Global Energy and Water Exchanges (GEWEX - [www.gewex.org](http://www.gewex.org))

- Project of the World Climate Research Program (WCRP, [www.wcrp-climate.org](http://www.wcrp-climate.org)) supports:
  - International research collaboration in the field of weather and climate to better utilize capacities and competencies
  - Sevelopment of the resources and capabilities to enable state-of-the-art relevant climate research and observations that address regional to global challenges
- GEWEX operates to support the Sustainable Development Goals, the Sendai Framework for Disaster Risk Reduction ([www.unisdr.org/we/coordinate/sendai-framework](http://www.unisdr.org/we/coordinate/sendai-framework)) and the United Nations Framework Convention on Climate Change ([unfccc.int](http://unfccc.int)).

# Current GEWEX Regional Hydroclimate Projects

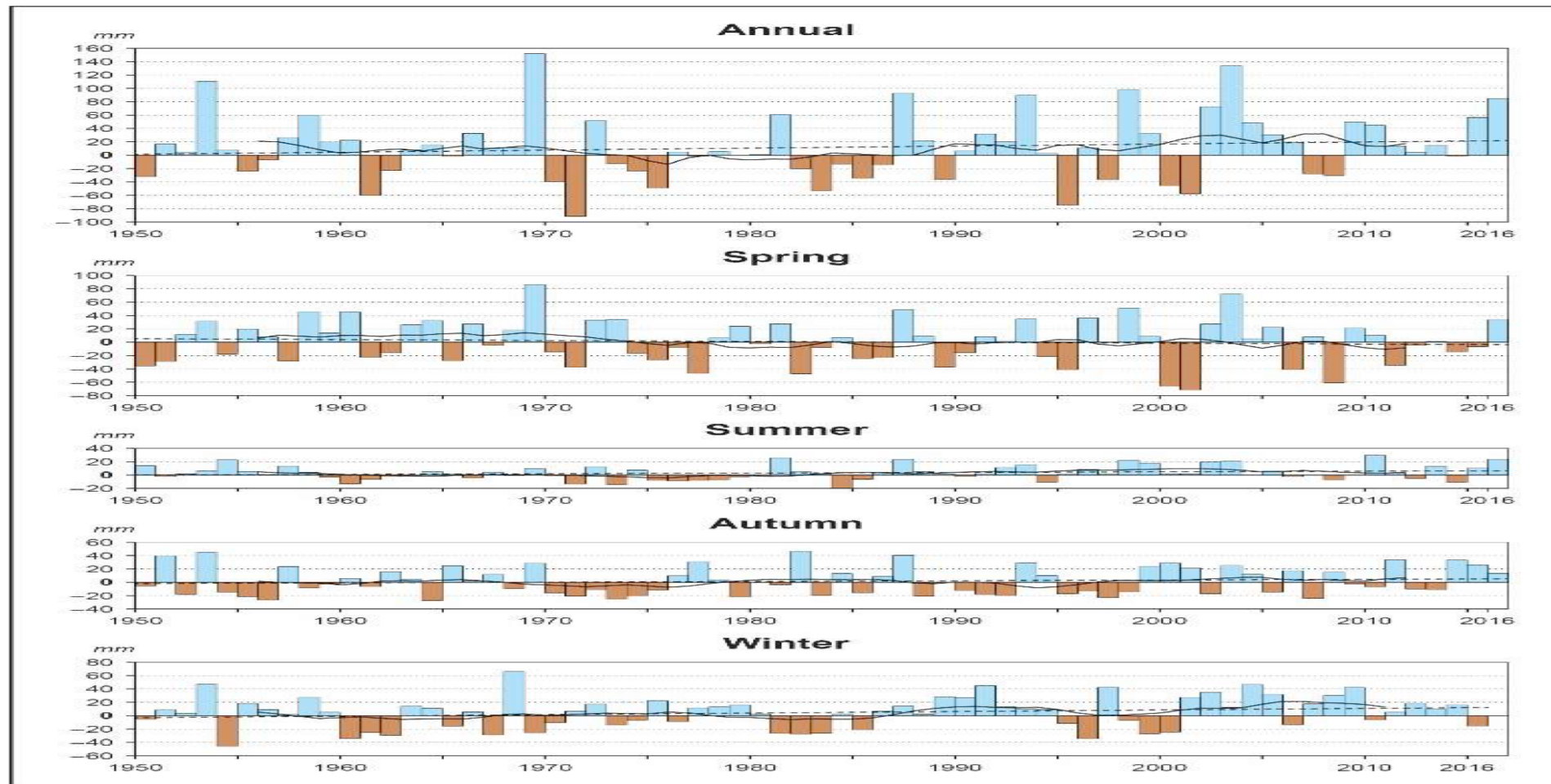


# GEWEX Priorities

- Improved understanding of the impacts of climate variability and change on water availability and food security across mountain ranges and river basins
- GEWEX has developed Regional Hydroclimate Projects (RHP) that are led by and bring together scientists and stakeholders at every level from within a certain region.
- Water will be a key aspect in addressing the effects of climate change and the sustainability goals
- There is an urgent need to bring together the various organizations that operate the observational networks for hydrology, meteorology, ecology
  - also any organization or institution that can provide data on the socio-economic aspects and the human interactions as those will be important drivers for change both in positive and negative sense
- The latter is crucial in addressing the sustainability challenges

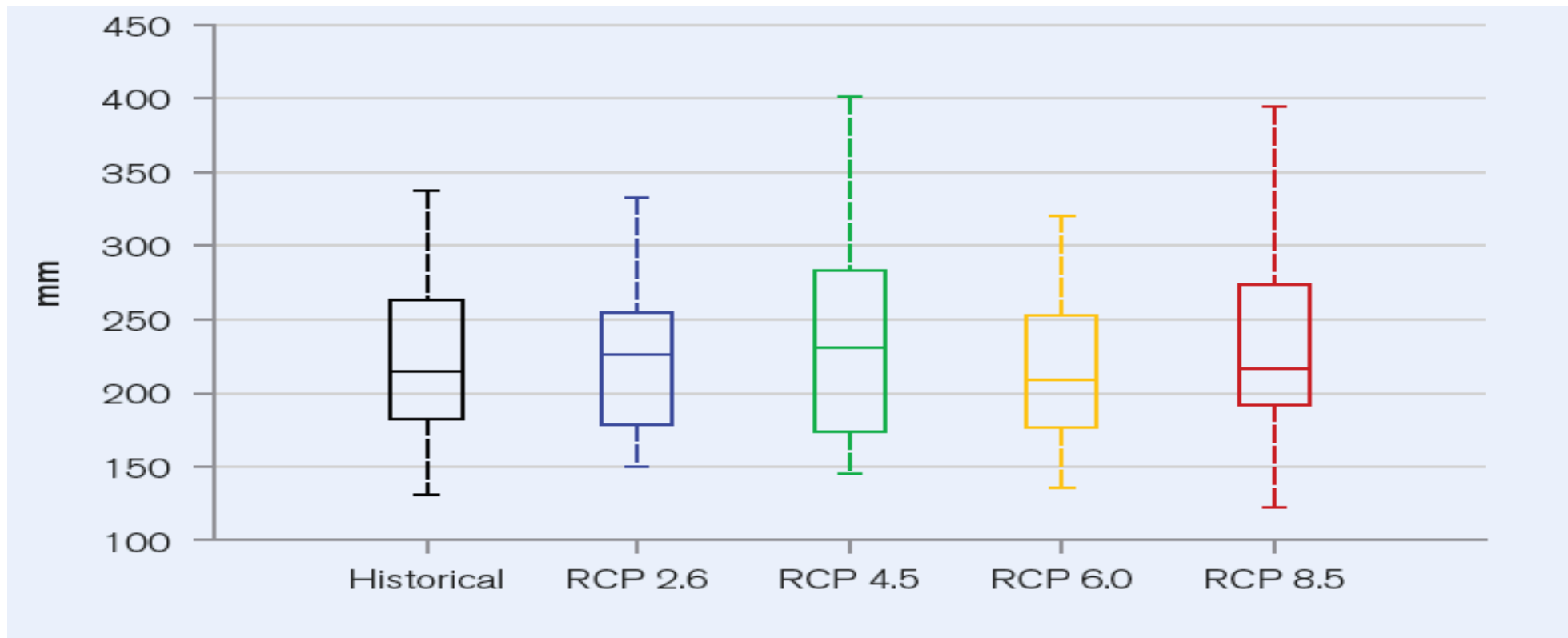
# Precipitation Anomalies over Central Asia

Haag et al. 2019; Climate. 2019; 7(10):123. <https://doi.org/10.3390/cli7100123> <https://www.mdpi.com/2225-1154/7/10/123/htm>



# Projected Annual Average Precipitation Uzbekistan 2080–2099

Climate Risk Country Profile: Uzbekistan (2021)  
World Bank & Asian Development Bank



# Several Conference Objectives

- The overarching goal is to establish a Regional Hydroclimate Project in Central Asia led by regional scientists and stakeholders
- An important driver for that ambition is to better observe and predict climate change and its effects and to support adaptation and mitigation measures
- A crucial aspect for any successful regional hydroclimate network is the existence of a strong and cohesive scientific and stakeholder network.
- For the Central Asian region, international wildlife conservation issues such as the snow leopard provide an additional challenge that we would like to address in the context of global environmental change.
- This conference is an opportunity to create new collaborations led by regional scientists

# Thank You for Your Attention

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