Climate Change Impacts on Hydrology in the Karakoram-Himalaya

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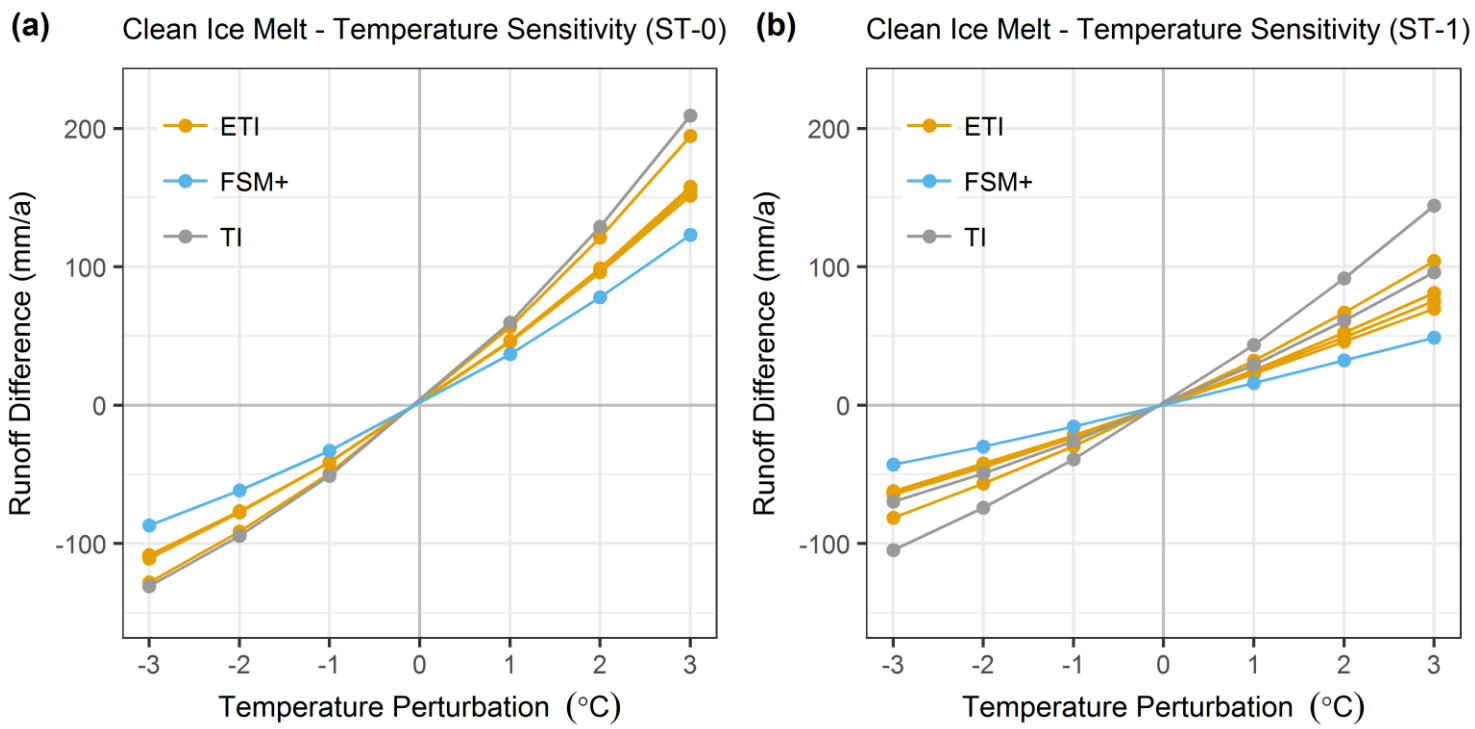
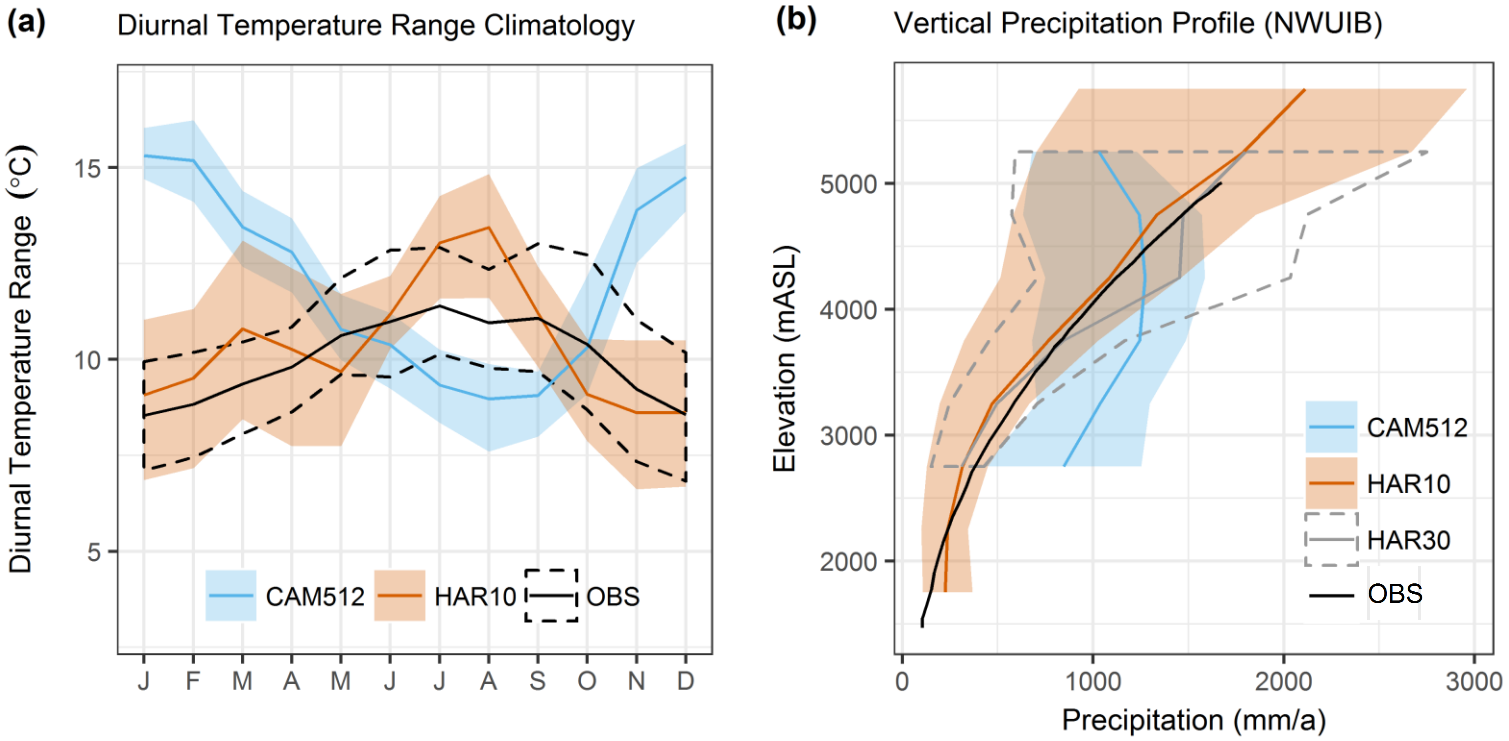
What modelling do we do?

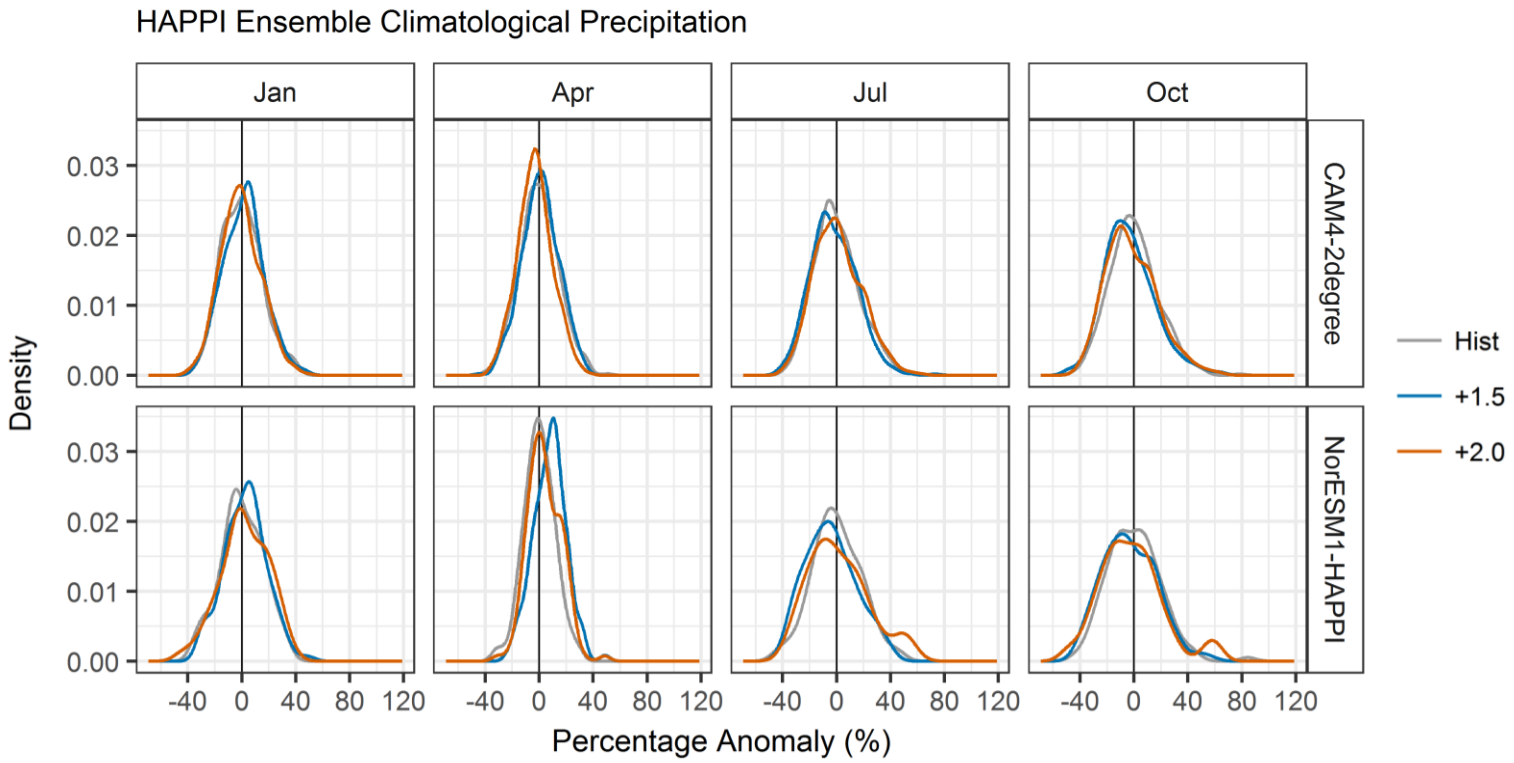
- Hydrological model structure – balancing physical realism, complexity and data constraints
- Do more process-based models justify their data needs? E.g. more realistic climate sensitivity?



How do we evaluate and select climate models?

- Identifying critical model limitations and biases before downscaling
- What are reasonable expectations of climate models in areas like the upper Indus?



How do we apply climate model information?

- Interested in a range of downscaling models
- Refining a well-established stochastic weather generator – importance of natural variability
- How can we better interpret climate model change factors in mountain regions?