



## **Taking the long view of hydrology**

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Landscapes act as nonlinear space and time filters within the hydrological cycle. Human activities exert global scale impacts on this landscape with significant regional implications for both freshwater [U+2010] driven services and hazards for people and nature. A long term initiative in hydrology will have to advance our scientific understanding and our predictive capability in the context of this evolution. What role can a decadal initiative play in supporting the necessary long-term scientific advancement in the context of a changing world? What elements does such an initiative need to be successful given what we learned from PUB? In this talk I will start at the end of the current decadal initiative and take the long view of how hydrology might evolve. Through this scenario analysis I will identify knowledge gaps and hence needed scientific advancements.