Laura Condon is a Professor of Hydrology and Atmospheric Sciences at the University of Arizona in the United States, where she leads a research program centered on large-scale earth system modeling with a specific emphasis on the terrestrial hydrologic cycle. Her work focuses on the development and application of physically based numerical models, such as ParFlow, to simulate integrated surface water and groundwater systems at continental scales to better understand water sustainability under the pressures of climate change and human management. By combining traditional hydrologic modeling with advanced machine learning and statistical techniques, she investigates how deep subsurface processes interact with soil moisture and surface water, providing critical insights into the long-term behavior of managed watersheds and the global distribution of freshwater resources.