Peter Nico, Research Director, Lawrence Berkeley National Laboratory (Berkeley Lab)

Peter Nico is the Program Domain Lead for Resilient Energy, Water and Infrastructure at the Lawrence Berkeley National Lab. This program's mission is to apply the Berkeley Lab's Energy Geosciences Division's existing scientific strengths and expertise—such as multiscale modeling, field testing and experimentation, laboratory based process investigations, cleanup and mitigation planning-in order to better understand and support key areas of societal impact that have strong links to energy use and production and whose function and reliability are strongly controlled by earth processes.

Currently, the four initiatives that comprise the Sustainable Energy Systems Program Domain are motivated by our need to balance an over-stressed water system (Water-Energy Nexus), to protect our critical infrastructure (Critical Infrastructure), to vastly expand our energy storage technologies (Grid Scale Subsurface Energy Storage), and to assess and predict the risks faced by these complex and interconnected systems (Risk Assessment/Systems Analysis).

Peter is a Soil and Environmental Biogeochemist who studies transition metal redox processes and their impact on the fate and transport of environmental contaminants. Over the past years, Peter previously served as the Geochemistry Department Head, the Berkeley Lab lead of the Predictive Ag initiative, the Berkeley Lab point of contact for the UC Global Food Initiative, and one of the leads of the Berkeley Lab's Resilient Water Systems at Scale initiative.