

**Ariane Pinson, Ph.D.**

Social Scientist

Climate Preparedness and Resilience Community of Practice

U.S. Army Corps of Engineers, Albuquerque District



**U.S. Army Corps  
of Engineers®**

**BIOGRAPHY**

Ariane Pinson, PhD, is a planner for the U.S. Army Corps of Engineers, Albuquerque District, where she is a subject matter expert with the Climate Preparedness and Resilience Community of Practice (CPR CoP). She develops guidance and decision support tools that enable USACE to assess the long-term resilience of its dams, reservoirs, and other facilities to changing future conditions. She also conducts advanced technical and policy reviews of Civil Works projects on behalf of the CPR CoP, and provides climate change impact assessments for Albuquerque District projects.

Gaps industry could help us address: lessons learned from national and international CPR activities, effective CPR communications strategies, disruptive technologies that might enhance adaptation or mitigation (think heat, OA, wildfire impacts to materials), and rapid recovery from disruptions (e.g., 3-D printed shelters, rapidly deployable water and wastewater treatment systems, off site fabrication of trusses supporting solar PV arrays based on LiDAR data in place of blue plastic for blue roof mission).

Gaps Academia could help us address: scalable analytical techniques for coastal total water levels, same for correlated and compound P events on a continuum from stormwater to extreme storms, multidisciplinary approaches to relocation that revision the tax base in communities while raising adaptive capacity for all, and all of the above.