

From Labs to Lives

How Research Funding Solves Real-World Problems

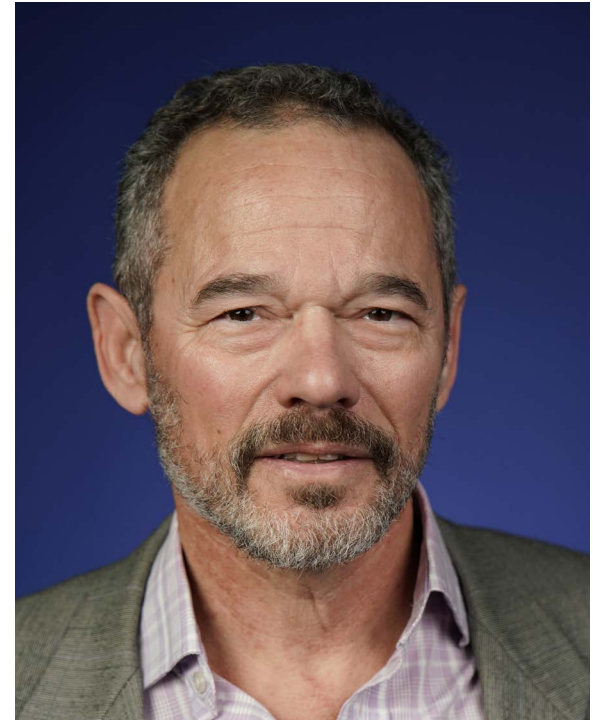
NSF-Funded Research on Natural Disasters and Water Systems

Floods, earthquakes and climate-driven disasters are increasing in frequency and impact, making it critical to understand and mitigate these risks. At UC Davis, Nicholas Pinter, professor of Earth and planetary sciences, leads NSF-funded research on flood hazards, river systems and landform evolution. His work combines field studies, data analysis and policy engagement to improve disaster preparedness and sustainable water management.

Helping Humanity

Pinter's research helps communities better respond to natural disasters, reducing risks to people and infrastructure. By studying how rivers and landscapes change over time, his work informs smarter floodplain management and resilience strategies. Without continued NSF funding, progress in disaster prevention and water resource sustainability could slow, leaving communities more vulnerable. Sustained investment ensures science-driven solutions continue to protect lives and the environment.

// U.S.-based research has been an engine for innovation and economic growth. And until now, we never thought that things could unwind so quickly. So right now, we're looking at the threat of a sudden turning off of that engine. And people will see how incredibly quickly the economic growth and the technical innovation wind down when the ignition on that engine is turned off.” — Nicholas Pinter, Ph.D.



Nicholas Pinter, Ph.D.

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