



Photo: Beatriz Torres, USAID

PARTNERSHIPS FOR ENHANCED ENGAGEMENT IN RESEARCH IN PERU

From 2011-2024, the PEER program, managed by the Innovation, Technology, and Research Hub's Research Division at USAID, directly supported researchers in USAID-presence countries through institutional research awards up to \$300,000. Research projects were used to fill critical evidence gaps and strengthen local research capacity.

PEER leveraged the technical excellence of U.S. scientific agencies such as National Aeronautics and Space Administration (NASA), National Institute of Food and Agriculture (NIFA), National Institutes of Health (NIH), National Science Foundation (NSF), National Oceanic and Atmospheric Administration (NOAA), Smithsonian Institution, U.S. Forest Service (USFS), U.S. Department of Agriculture's (USDA) Agriculture Research Service, and U.S. Geological Survey (USGS), as well as universities and research institutes around the world, who partnered with researchers in developing countries through PEER awards.

Over 13 years, PEER awarded over \$111 million to more than 460 researchers in 60 countries. The goal of PEER was to help build capacity among local researchers and research institutions, strengthen research partnerships worldwide, and better translate data and evidence into policy. The program was implemented by the National Academies of Sciences, Engineering, and Medicine.

During this period, 12 projects were supported in Peru.

RESEARCH PROJECTS IN PERU

1. Multi-scale, interdisciplinary integrated analysis of societal and ecosystem values of Peruvian Amazon peatlands (2022-2024)

PI (principal investigator): Sandra Ríos-Cáceres, Instituto del Bien Común, with co-PI Aoife Bennett

U.S. Partner: Hinsby Cadillo-Quiroz, Arizona State University (funded by the National Science Foundation); and Victor Gutiérrez-Vélez, Temple University

2. Improving sustainability and resilience of peruvian amazon systems through silvopastoralism (2021-2024)

PI: Carlos Gomez, Universidad Nacional Agraria La Molina

U.S. Partner: Heathcliffe Riday, U.S. Dairy Forage Research Center, U.S. Department of Agriculture – Agricultural Research Service

3. Preventing lead exposure of peruvian children from mining and battery recycling with a new field test kit (2018-2023)

PI: Johny Cesar Ponce-Canchihuamán, Universidad Peruana Cayetano Heredia & the Center for Research in Environmental Health (CREEH Perú)

U.S. Partner: Alexander van Geen, Lamont-Doherty Earth Observatory of Columbia University (funded by the National Science Foundation)

4. Numba Wachokkeri: Empowering indigenous peoples to protect their forests with cutting-edge technology (2018-2022)

PI: Sidney Novoa, Asociación para la Conservación de la Cuenca Amazónica (ACCA), and Carlos Saito Villanueva, Pontificia Universidad Católica del Perú (PUCP)

U.S. Partner: Eben Broadbent, University of Florida (funded by the U.S. Department of Agriculture/ National Institute of Food and Agriculture)

5. A wood species identification tool to aid in compliance and enforcement of Peruvian timber regulations (2020-2021)

PI: José Ugarte Oliva, Instituto Tecnológico de la Producción - CITEmadera

U.S. Partner: Michael Wiemann, U.S. Forest Service, Forest Products Laboratory

6. Impacts of alluvial mining in the Madre de Dios Basin: physical effects and mitigation planning (2020-2022)

PI: Mónica Moreno Brush, Universidad de Ingeniería y Tecnología

U.S. Partner: Eddy Langendoen, U.S. Department of Agriculture/ Agricultural Research Service

7. AGUA-ANDES: ecological infrastructure strategies for enhancing water sustainability in the semi-arid Andes (2017-2020)

PI: Bram Willems, Centro de Competencias del Agua - CCA
U.S. Partner: Andrea Gerlak, University of Arizona (funded by the National Science Foundation)

8. Tropical montane forests and climate change in the Peruvian Andes: micro-environmental, biotic, and human impacts at the tree line (2015-2022)

PI: Norma Salinas, Pontificia Universidad Catolica del Peru
U.S. Partner: Miles Silman, Wake Forest University (funded by the National Science Foundation)

9. Glacier retreat and water resource sustainability in the Peruvian Andes: informing adaptation strategies through collaborative science (2014-2017)

PI: Cirilo Lagos, Instituto Geofisico del Peru
U.S. Partner: Bryan G. Mark, The Ohio State University (funded by the National Science Foundation)

10. Strengthening resilience of Andean river-basin headwaters facing global change (2013-2016)

PI: Bram Leo Willems, Universidad Nacional Mayor de San Marcos
U.S. Partner: Christopher Scott, The University of Arizona (funded by the National Science Foundation)

11. Impact of transboundary biomass burning pollution transport over the Central Andes of Peru (2013-2017)

PI: Luis Suarez, Instituto Geofisico del Peru (formerly at Universidad Continental)
U.S. Partner: Detlev Helmig, University of Colorado at Boulder (funded by the National Science Foundation)

12. Building Peruvian capacity for monitoring and modeling the effects of climate change on the Coropuna Glacier and associated watersheds in Arequipa, Peru (2012-2015)

PI: Roberto Zegarra Balcazar and Felio Carderon La Torre, (former PIs Karen Kraft and Julio F. Alegria), AEDES - Asociación Especializada para el Desarrollo Sostenible
U.S. Partner: Joerg Schaefer, Columbia University (funded by the National Science Foundation)

PROGRAM INFORMATION

COORDINATION: USAID Innovation, Technology, and Research Hub's Research Division

IMPLEMENTER: U.S. National Academies of Sciences, Engineering, and Medicine (NASEM)

PROGRAM DURATION: 2011-2024

USAID WEBSITE: <https://www.usaid.gov/innovation-technology-research/research/peer>

NASEM WEBSITE: <https://sites.nationalacademies.org/PGA/PEER/index.htm>