udall center
for studies in public policy

native nations institute
for leadership, management, and policy

policy research and outreach for decision-making

ANNUAL REPORT
2009–10

THE UNIVERSITY OF ARIZONA
Established in 1987, the Udall Center for Studies in Public Policy—a unit of the Office of the Vice President for Research at The University of Arizona—sponsors policy-relevant, interdisciplinary research and outreach linking scholarship and education with decision-making in the fields of environmental policy, immigration policy, and Indigenous nations policy.

The Native Nations Institute for Leadership, Management, and Policy (NNI), an administrative unit of the Udall Center, was founded in 2001 by the Morris K. Udall Foundation (now Morris K. Udall and Stewart L. Udall Foundation) and The University of Arizona and serves as a self-determination, governance, and development resource for Indigenous nations.

**Mission**

While this document does not explicitly describe the mission, it provides context and details about the institution's role in Indigenous nations policy.

**Staff**

**Directors**

Stephanie Carroll Rainie, M.P.H., manager

Kim Harlow, B.S., assistant to the directors

Anh Le, M.S., business manager

Denise Lum, senior receptionist

Raymond Naito, B.A., info. tech. manager

Donna Sloan, B.S., accountant

Ben Dicken, undergraduate assistant (IT)

John Dicken, undergraduate assistant (IT)

Lindsey Rothe, undergraduate assistant

**Publications**

Robert Merideth, M.S., editor in chief

Chrysanthia Gakopoulos, B.S.D., graphic designer

Ariel Mack, B.F.A., graphic designer

Emily McGovern, M.A., editorial associate

**CONTACT THE UDALL CENTER/NNI STAFF**

Udall Center

(520) 626-4393    udallctr@u.arizona.edu

Native Nations Institute

(520) 626-0664    nni@u.arizona.edu

Former staff: Majed Aktor, Aaron Banas, Anne Campbell, Karina Cordova-Gonzalez, Delphine Claverol, Jason Criscio, Delphine Duczynski, Jamie Delan, Agathe Euzen, Nina Haas, Arin Haverland, Joseph Hoover, Jason Jurjevich, Oscar Lai, Michael Lerma, Carlos Mogollon, Renée La Ro, Kate Sammler, Tabitha Spence, Elaine Turner, and Zohra Yaqub also were members of the Udall Center and NNI staff during the 2009-10 academic year.
vision and focus

The aim of the Udall Center and the Native Nations Institute is to continue to expand access to educational excellence for our staff and constituents; to increase our achievements in research and scholarship; and to enrich our community, state, and beyond through positive societal impacts.

Our work addresses four areas of emphasis in The University of Arizona’s Five-Year Strategic Plan:

- climate, environmental, water, and energy sustainability
- Southwest, Native American, borderlands, and Latin American studies
- law, public policy, and entrepreneurship
- youth development programs

In this report we summarize our activities and accomplishments in these areas for the academic year 2009–10.

top achievements | 2009–10

During the past year, the Udall Center and the Native Nations Institute:

- secured sponsored projects and foundation grants totaling more than $2 million, a 22% increase over the previous year and a leverage of four dollars in extramural support for every one dollar of state funding

- published three books on water and environmental policy, and 35 journal articles, book chapters, reports, essays, and reviews about environmental, immigration, and Indigenous nations policy

- received the 2010 Public Sector Leadership Award from the National Congress of American Indians, shared with the Harvard Project on American Indian Economic Development

- organized and convened five research workshops, one lecture series, one executive forum, two youth leadership camps, and 12 executive education seminars

- established a significant partnership with the Archibald Bush Foundation, in support of the self-determination of the 23 Native nations within the Bush Foundation’s service area

- supported 20 graduate research assistants and associates seeking degrees in eight UA departments, as well as three undergraduate assistants and seven degree-seeking staff members

We credit the many individuals and entities at The University of Arizona and beyond who assisted us in realizing these accomplishments (see back cover).
During the past year, members of the Udall Center’s environmental policy team:

- **published three books on water and environmental policy**
  
  *Conservation of Shared Environments: Learning from the United States and Mexico*
  

  *Wastewater Irrigation and Health: Assessing and Mitigating Risks in Low-Income Countries*
  
  P Drechsel, CA Scott, L Raschid-Sally, M Redwood, and A Bahri, eds., Earthscan, 2010

  *Water and Sustainability in Arid Regions: Bridging the Gap Between Physical and Social Sciences*
  

- **published 23 peer-reviewed journal articles and book chapters**

  **journal articles published in**
  
  - Applied Geography
  - Conservation Biology
  - Ecology & Society
  - Environment and Planning C: Government and Policy
  - Frontiers in Ecology and the Environment
  - Geographical Journal
  - Hydria
  - International Journal of River Basin Management
  - International Negotiation
  - Irrigation and Drainage Systems
  - Natural Resources Forum
  - Professional Geographer

  **book chapters published in**
  
  *Conservation of Shared Environments: Learning from the United States and Mexico* (University of Arizona Press)
  *Impacts of Megaconferences on the Water Sector* (Springer)
  *Water and Sustainability in Arid Regions: Bridging the Gap Between Physical and Social Sciences* (Springer)
  *Wastewater Irrigation and Health: Assessing and Mitigating Risks in Low-Income Countries* (Earthscan)
  *Water Policy Entrepreneurs: A Research Companion to Water Transitions Around the Globe* (Edward Elgar)

- **completed three funded investigations**

  **water and energy use in Arizona and its connection to population growth and climate change**
  
  “Water and Energy Sustainability with Rapid Growth and Climate Change in the Arizona-Sonora Border Region,” CA Scott, et al., PIs; supported by the Arizona Water Institute

  **public attitudes toward water reuse in several Arizona communities**
  
  “Water Reuse to Offset Growth-Driven Water Scarcity in the Southwest: From Supply Augmentation to Substitution (phase one),” CA Scott, A Browning-Aiken, and RG Varady, PIs; supported by the WateReuse Foundation

  **the use of climate diagnostics in the U.S.-Mexico border region**
  
  
  RG Varady, CA Scott, et al., PIs; supported by the Inter-American Institute for Global Change Research (IAI)

- **engaged in educational and research exchanges between the UA and French scientists and students** through the Joint International Unit on Water, Environment and Policy (UMI)—based at the Udall Center and supported by the UA and the French National Center for Scientific Research (CNRS)—and via the CNRS Partner University Fund (PUF)
• organized five research-based workshops for scientists, policy-makers, and stakeholders
  
  transboundary aquifers along the Arizona-Sonora border
  SB Megdal, CA Scott, and J Callegary, PIs; supported by the U.S. Geological Survey via the UA Water Resources Research Center; 60 participants

  regional policy-making on water and climate in the Arizona-Sonora borderlands
  RG Varady, CA Scott, and M Wilder, co-PIs; supported by the National Oceanic and Atmospheric Administration; two workshops, 120 participants

  water management and policy in Arizona, Israel, and Palestine
  SB Megdal, RG Varady, et al., PIs; supported by the Water Resources Research Center, 50 participants

  North American transboundary conservation and adaptation to climate change
  L López-Hoffman, et al., PIs; supported by the U.S. Forest Service; 50 participants

• served on scientific and policy advisory boards, provided public lectures, and conducted media interviews on environmental policy topics, such as U.S.-Mexico transboundary conservation and security, integrated river basin governance, global water governance, public attitudes toward reclaimed water use, governance strategies for the Colorado River delta, water-borne diseases and water resources management

• helped convene a speakers series on collaboration in natural resource management, co-organized with the UA School of Natural Resources and the Environment, Institute of the Environment, School of Government and Public Policy, Bureau of Applied Research in Anthropology, and the O’Brien Diversity Fund

• supported the EDGE book series on environmental science, law, and policy, with the Institute of the Environment, James E. Rogers College of Law, Biosphere 2 and Biosphere Institute, and University of Arizona Press, providing editorial assistance for three of the series titles, Conservation of Shared Environments (published in 2009), and Climate Change Policy at Multiple Scales and Saving the Wide Open Spaces (both forthcoming in 2011)

• sponsored the student-run Arizona Journal of Environmental Law & Policy, an online journal founded in 2010 by students in the UA James E. Rogers College of Law <www.ajelp.com>

• awarded the 2010 Lillian S. Fisher Prize in Environmental Law and Public Policy to UA law student Jenny Neeley; published, E-wasted Time: The Hazardous Lag in Comprehensive Regulation of the Electronics Recycling Industry in the United States by Maya Abela and Jacob Campbell, winners of the 2009 Fisher Prize

• received a Fulbright fellowship to Brazil, awarded to senior researcher Anne Browning-Aiken to teach and conduct research at the Universidade Federal da Santa Catarina in southern Brazil

udallcenter.arizona.edu/environment
During the past year, the Native Nations Institute and its staff:

- received the 2010 Public Sector Leadership Award from the National Congress of American Indians, for “groundbreaking research” and support of Native nations regarding political, economic, and social issues (shared with the Harvard Project on American Indian Economic Development)

- established a significant partnership with the Archibald Bush Foundation, in support of the self-determination efforts of the 23 Native nations within the Bush Foundation’s service area

- developed an assessment and analytical tool, Governance Analysis for Native Nations, in conjunction with the Bush Foundation, designed to identify areas where Native nations should focus to build stronger governments

- advanced the distance-learning course, study guide, website, and casebook on Native nations economic development and self-governance to serve as companions to Rebuilding Native Nations: Strategies for Governance and Development (M Jorgensen, ed., University of Arizona Press, 2007)

- completed a phase-one study looking at the impact of tribal control of health care services on access to quality care, supported by the Nathan Cummings Foundation

- produced a 30-minute video documentary, Return of the Red Lake Walleye, about the Red Lake Band of Chippewa Indians successful rebuilding of its decimated fisheries, to be aired on public television and made available in DVD format
organized and convened two Native American youth leadership programs

12th Native American Youth Entrepreneur Camp (NAYEC), an award-winning program designed to encourage private-sector development in Indian Country (with 20 students from 11 Native nations)

3rd Annual Native American Youth Governance Camp, teaching the fundamentals of governance and leadership (with 35 students from 10 Native nations)

delivered 12 executive education workshops for nearly 400 Indigenous leaders representing Native nations across the U.S. and Canada

hosted the fourth fellow in the Indigenous Leadership Fellows Program, Frank Ettawageshik, executive director of the United Tribes of Michigan and former chairman of the Little Traverse Bay Bands of Odawa Indians in Michigan

published six reports, articles, and essays; and delivered several dozen research-based presentations at academic conferences and association meetings, and to Native nations

received the Southwest Book Award from the Border Regional Library Association, presented to Ian Record for his book, *Big Sycamore Stands Alone: The Western Apaches, Aravaipa, and the Struggle for Place* (University of Oklahoma Press, 2008)

nni international advisory council

The Native Nations Institute’s International Advisory Council (IAC) is composed of current and past Native leaders, scholars, community leaders, administrators, and nonprofit and nongovernmental organization executives.

The IAC provides counsel and advice to help ensure that NNI’s programs are having the maximum beneficial effect for Native nations.

The IAC met with NNI staff twice during 2009–10, in Tucson, Ariz., and Bismark, N.D., and with less-formal consultation occurring on a continuing basis.

We are grateful for the numerous contributions the IAC members have made to NNI’s overall success this past year—and since NNI’s founding in 2001.

Co-Chairs
Denny Hurtado (Skokomish)
Hon. Sophie Pierre (Kootenay)

Members
Hon. John A. “Rocky” Barrett (Potawatomi)
Gregory Cajete (Santa Clara Pueblo)
Duane Champagne (Turtle Mountain Chippewa)
Gabriel “Gabe” Galanda (Round Valley Indian Tribe)
David Gipp (Lakota)
Vernon James (Apache)
Elsie Meeks (Lakota)
Grand Chief Michael Mitchell (Mohawk)
Ned Norris, Jr. (Tohono O’odham Nation)
Regis Pecos (Cochiti Pueblo)
Gerald Sherman (Lakota)
Robert Valencia (Pascua Yaqui)
Robert Yazzie (Navajo)
Peterson Zah (Navajo)
Patricia Zell (Arapaho/Navajo)

native american youth governance camp

emerging leaders executive education workshop
The Udall Center Fellows program allows selected faculty members and researchers at The University of Arizona—with release from their teaching and other major responsibilities—to engage in research on any topic related to public policy.

For the 2009-10 academic year the Udall Center Fellows were:

- **Kieron Bailey**, assistant professor, School of Geography and Development, supported by the Institute of the Environment, studied structured public involvement for environmental management.
- **Anna Breman**, assistant professor of economics, supported by the Eller College of Management, analyzed the underlying motivations of volunteerism.
- **Ronald Breiger**, professor of sociology and Udall Center Directors' Fellow, examined the limitations of social network analysis in studying insurgency and terrorism.
- **David Cuillier**, assistant professor, School of Journalism, supported by the College of Social and Behavioral Sciences, studied information access across America.
- **Joshua Guetzkow**, assistant professor of sociology, supported by the College of Social and Behavioral Sciences, assessed unanticipated and undesirable consequences of prison reform litigation.
- **Gary Paul Nabhan**, research social scientist, Southwest Center, supported by the Institute of the Environment, studied the naming of places of origin and trademarks used on foods.

Since the inception of the fellows program in 1990, the Udall Center has named 125 fellows from 37 departments and programs across the UA.
Books


Chapters


Reports


udallcenter.arizona.edu/publications
Articles


Essays and Reviews


Anne Browning-Aiken
senior researcher, environmental policy


Stephen Cornell
director; faculty associate, Native Nations Institute; professor of sociology; professor, School of Government and Public Policy


Judith Gans
manager, Immigration Policy Program


Miriam Jorgensen
research director, Native Nations Institute


sources of support

grants, contracts, and sponsored projects

During 2009-10, the Udall Center and the Native Nations Institute secured sponsored projects and grants totaling more than $2 million, a 22 percent increase over the previous year and a leverage of four dollars in extramural support for every one dollar of state funds provided by The University of Arizona.

In addition to resources from the UA, the Udall Center and the Native Nations Institute receive substantial support from the Morris K. Udall and Stewart L. Udall Foundation for environmental policy and Indigenous nations policy programs.

Significant support during 2009-10 also came from the Archibald Bush Foundation.

Other sources of major funding this past year were:

Environmental Policy Programs

Immigration Policy Program
Puentes Consortium/Rice University, U.S. Department of Homeland Security

Native Nations Institute

partnerships and other assistance

Research and Outreach Programs
In addition to funding from the sources listed above, across the range of our research and outreach endeavors we have benefited from the intellectual partnerships, logistical support, and financial assistance provided by individuals and units at The University of Arizona and by entities outside the university.

At the UA. Our research and outreach teams received support from colleagues in the American Indian Studies Program, Arizona Public Media, Biosphere 2 and Biosphere Institute, Bureau of Applied Research in Anthropology, Center for Judaic Studies, Center for Latin American Studies, Center for Middle Eastern Studies, College of Social and Behavioral Sciences, Department of Civil Engineering and Engineering Mechanics, Eller College of Management, Indigenous Peoples Law and Policy Program, Institute of the Environment, James E. Rogers College of Law, Native American Student Affairs, Native Peoples Technical Assistance Office, Office of Arid Lands Studies, Office of Instruction and Assessment, Office of University Communications, Office of the Vice President for Research, School of Earth and Environmental Sciences, School of Geography and Development, School of Government and Public Policy, School of Natural Resources and the Environment, School of Public Health, Southwest Center, Sustainability of semi-Arid Hydrology and Riparian Areas Center, University of Arizona Foundation (including the Lillian S. Fisher Endowment), University of Arizona Libraries, University of Arizona Press, and Water Resources Research Center.

Outside the UA. Our significant off-campus partners include the American Express Center for Community Development, Centro de Investigación Científica y de Educación Superior de Ensenada, Colegio de Sonora, Harvard Project on American Indian Economic Development, Instituto Mexicano de Tecnología del Agua, Marshall Foundation, Minkus Advertising, National Center for Atmospheric Research, Universidad Nacional Autónoma de México, Universidad de Sonora, UNESCO—International Hydrological Programme, and U.S. Department of the Interior.

Administration and Operations
The outcomes noted in this report would not have been possible without the essential and ongoing services provided—often behind the scenes—by a number of units across the UA. Our administrative and operations teams were assisted greatly by staff members of the Arizona Student Union, Bio5 Institute, Division of Human Resources, Facilities Management, Financial Services Office, Office of International Faculty and Scholars, Office of Research and Contract Analysis, Office for the Responsible Conduct of Research, Procurement and Contracting Services, Real Estate Administration, Residence Life, Sponsored Projects Services, Systems Control, and University Information Technology Services. Thanks!