

NMSU's inventory of sustainability research that includes names and department affiliations of faculty and staff engaged in sustainability research.

12.8.16	
Research Name	Faculty Name (Department)
Abundance and Habitat-Related Use of White Sands Pupfish throughout its Range in the Tularosa Basin	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Acequia Water Systems Linking Culture and Nature: Integrated Analysis of Community Resilience to Climate and Land Use Changes	Alexander Fernald (WRRRI)
Actinide Chemistry Research in Support of WIPP (ACRSP2)	Russell Hardy (CEMRC)
Administrative Support for the Chihuahuan Desert I&M Network in 2016 and 2017	Alexander Fernald (WRRRI)
Advancing Web-Based Tool for Unconventional Natural Gas Development with Focus on Flowback and Produced Water Characterization, Treatment and Beneficial Use	Pei Xu (CE)
Application of an Area-Based Quality Index (ABQI) to Assess and Manage Biological Soil Crusts in the Mojave and Sonoran Deserts	Rolston St Hilaire (Plant & Environmental Sciences)
Aquatic Invertebrate Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Archaeological Support for Prescribed Burn Locations on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Arsenic Removal from Water by Porous Polymers (Internal Award)	Reza Foudazi (ChME)
Assessment and Monitoring Technical Support	Brandon Bestelmeyer (Ag Experiment Station)
Assessment of Burrowing Owl Translocation in the Southwestern United States	Martha Desmond (Fish, Wildlife & Conservation Ecology)
Assessment of Concentrating Solar Thermal Power Plant Option for REAP Project	Sarada Kuravi (ME)
Assessment of Drought Impacts on Selected Fish and Wildlife Species in the Southwestern U.S.	James Cain (Fish, Wildlife & Conservation Ecology)
Assessment of Land-Based Sources of Air Quality Contaminants in the Binational Border Region of Southwestern New Mexico, Northwestern Chihuahua and West Texas	David Dubois (Plant & Environmental Sciences)
Assessment of Mechanical Performance of Radiation-Damaged Carbon-Fibre Composites (Internal Award)	Igor Sevostianov (AME)
Assessment of the Genetic Structure of an Urban Cooper's Hawk Population	Gary Roemer (Fish, Wildlife & Conservation Ecology) James Cain (Fish, Wildlife & Conservation Ecology)
Assessment of the Landscape Genetic Structure of the Western Continental Golden Eagle Population	Gary Roemer (Fish, Wildlife & Conservation Ecology) James Cain (Fish, Wildlife & Conservation Ecology)
ATD: Statistical Methods for Functional Metagenomic in Biothreat Detection	Jiannong Xu (Biology)
Bat Gates and Cupolas at Victorio Peak	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Biochar for Desalination Concentrate Management (Internal Award)	Catherine Brewer (ChME) Omololu Idowu (Extension)
Black Bears on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Burriss Valley Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Burrowing Owl Nesting Ecology and Survival in the Face of a Changing Climate	Martha Desmond (Fish, Wildlife & Conservation Ecology) Catherine Porro (Fish, Wildlife & Conservation Ecology)
Burrowing Owl Population Status, Reproductive Success, Preybase and Predator Abundance on Kirtland Airforce Base Canadian River Riparian Restoration Project	Martha Desmond (Fish, Wildlife & Conservation Ecology) Nicholas Ashcroft (Extension)
CAREER: Individual Variation in Dispersal through a Social Landscape: Causes and Consequences	Karen Mabry (Biology)
CAREER: Soil Organic Carbon Dynamics in Response to Long-Term Ecological Changes in Drylands: An Integrated Program for Carbon Cycle Research and Enhancing Climate Change Literacy	Heather Throop (Biology)
CEMRC WIPP-EM	Russell Hardy (CEMRC)
Center for the Development and Use of Alternative Water Supplies	Alexander Fernald (WRRRI)
CFL Distribution for South Eastern New Mexico	Satishkuma Ranade (ECE)
CHDN Administrative Support FY16	Alexander Fernald (WRRRI)
Chihuahuan Desert Network Administrative Support NM Suds-48	Alexander Fernald (WRRRI)
CLIMAS Air Quality and Climate Assessments for New Mexico	David Dubois (Plant & Environmental Sciences)
Collaborative Research: Building a Regional Energy & Education Network	Delia Valles-Rosales (IE) Khandan (CE) Ram Acharya (Ag Economics & Business) Hansuk Sohn (IE)
Collaborative Research: Numerical/Experimental Investigation of Solar Chimney Power Plants	Andreas Gross (MAE)
Collaborative Research: The Effect of Dynamic Surface-Associated Phase Change on Environmental Mobility in Unsaturated	Charalambos Papelis (CE)
Collaborative: WARP: Wide Area assisted Resilient Protection	Sukumar Brahma (ECE) Satish Ranade (ECE)
Construction of MED Component of Pyrolyzer-Desalination Unit for Resiliency Testing (Internal Award)	Catherine Brewer (ChME)
Cooperative Agreement between NMSU and NRCS for Animas Mine Spill Sampling	David Thompson (Ag Experiment Station)
Coordinating Nontraditional Sustainable Water Use in Variable Climates (CONSERVE): A Center of Excellence for Safe and Sustainable Water Reuse in Agriculture	Jeanne Gleason (Ag Media Productions) Barbara Chamberlin (Ag Media Productions)
Cultural Planning Level Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Cultural Resources Conservation Support on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
CXDI Experimental Systems	Edwin Fohtung (Physics)
Defining Seed Transfer Guidelines for Ponderosa Pine in a Changing Climate	Owen Burney (Ag Experiment Station)
Demography and Seasonal Movement Patterns of Band-Tailed Pigeons in New Mexico	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Desalination Concentrate Management for Sustainable Agriculture: A Preliminary Study on Transport Behavior and Plant Viability at BGNDRF (Internal Award)	Manoj Shukla (Plant & Environmental Science) April Ulery (Plant & Environmental Science) Geno Picchioni (Plant & Environmental Science) Jalal Rastegary (WERC) Brian Schutte (EPPWS)
Determining Seasonal Use of Conservation Reserve Program (CRP) Habitat by Lesser Prairie-Chickens in Eastern New Mexico	Scott Carleton (Fish, Wildlife & Conservation Ecology)

Developing Digital Tools to Improve Soil Sampling and Analysis for Sustainable Agriculture in the Western U.S.	Robert Flynn (Extension) April Ulery (Plant & Environmental Sciences) Barbara Chamberlin (Ag Media Productions) Jeanne Gleason (Ag Media Productions)
Developing Non-Destructive Methods to Determine Natal Origins of Snake River Cutthroat Trout in the Jackson Lake Watershed	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Development of Additive Manufacturing Machine	Young Park (AME)
Development of Treatment Framework for Beneficial Use of Produced Water (Internal Award)	Pei Xu (CE)
Diet and Habitat Use of Endangered Migratory Nectarivorous Bats in New Mexico	Kathryn Stoner (Fish, Wildlife & Conservation Ecology)
Digitization TCN: Lepidoptera of North America Network: Documenting Radiation in the Largest Clade of Herbivores	Charles Bundy (EPPWS)
Direct In-Vivo Radiobioassay Services for NWP	Russell Hardy (CEMRC)
Distribution and Habitat Requirements of Bendire's Thrasher (<i>Toxostoma bendirei</i>) throughout its New Mexico Range	Martha Desmond (Fish, Wildlife & Conservation Ecology)
Distribution, Abundance, and Breeding Habitat Requirements of Bendire's Thrasher (<i>Toxostoma bendirei</i>) in the Southwest	Martha Desmond (Fish, Wildlife & Conservation Ecology)
DOE Realization of Algae Potential (Internal Award)	Francisco Holguin (Plant & Environmental Sciences)
DoH Water Quality	Erin Ward (WRRRI)
Drought in the West: Elements of Successful Science to Improve Water Management and Address Nationally Important Issues through the USGS-NIWR Partnership	Alexander Fernald (WRRRI) Thomas Scmugge (WRRRI)
EAGER: Novel Rare Earth Metal Oxysulfate (RE2O2OSO4) for Upconversion	Hongmei Luo (ChME)
Early Warning Sensor Network for Brown-Out Conditions: Field Testing and Assessment	David Dubois (Plant & Environmental Sciences)
Effectiveness Monitoring of Natural Resource Defense Assessment Projects in New Mexico Stream/Riparian Areas and Wetland Ecosystem	Amy Ganguli (Animal & Range Sciences) Martha Desmond (Fish, Wildlife & Conservation Ecology)
Effects of Conservation Practices on Ecosystem Health in the Rio Puerco Watershed	Amy Ganguli (Animal & Range Sciences) Nicole Pietrasiak (Plant & Environmental Sciences) Kert Young (Extension)
Effects of Wildfire and Forest Restoration on Black Bear Habitat Selection	James Cain (Fish, Wildlife & Conservation Ecology)
Efficacy of Otolith Microchemistry to Determine Natal Origin and Movement of Redband Trout in the Kootenai River in Idaho and EMPO CEP (Internal Award)	Scott Carleton (Fish, Wildlife & Conservation Ecology) David Dubois (Plant & Environmental Sciences)
Energize NM/Nexus NM EPSCoR RII 4 (Internal Award)	Hatim Geli (Animal & Range Science)
Energy Delivery	Satishkuma Ranade (ECE)
Establishment of a Cottonseed Processing Pilot Plant	Steven Loring (Ag Experiment Station)
Estimation of Black Bear Abundance and Densities in New Mexico Using Non-Invasive Genetic Analysis	James Cain (Fish, Wildlife & Conservation Ecology) Gary Roemer (Fish, Wildlife & Conservation Ecology) William Gould (Economics & International Business)
Estimation of Mountain Lion Density in New Mexico	James Cain (Fish, Wildlife & Conservation Ecology) Gary Roemer (Fish, Wildlife & Conservation Ecology)
Evaluating Adaptive Capacity of Desert Bighorn Sheep to Climate Change	James Cain (Fish, Wildlife & Conservation Ecology)
Evaluation of Baseflow Hydrology and Stream Temperature as Potential Climate-Influenced Stressors in Rio Grande Cutthroat Trout	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Evaluation of Heliae Microalgae for Bermudagrass Growth and Quality	Ryan Goss (Plant & Environmental Sciences)
Evaluation of Rio Grande Silvery Minnow Population Modeling Alternatives	David Cowley (Fish, Wildlife & Conservation Ecology) Michael Hatch (Fish, Wildlife & Conservation Ecology)
Evaluation of Yucca Harvesting Techniques	Leonard Lauriault (Ag Science Center)
Examination of the Spatial Variability of Produced Water Quality (Internal Award)	Kenneth Carroll (Plant & Environmental Sciences)
Exploring Surface Texture and Reflectivity of Cave and Related Surface Environments as Harbingers for Life (Internal Award)	Nancy Chanover (Astronomy)
Exploring Surface Texture and Reflectivity of Cave and Related Surface Environments as Harbingers for Life (Internal Award)	David Voelz (ECE)
Facilitated-Transport Enabled in Situ Chemical Oxidation of 1,4 Dioxane Contaminated Groundwater	Kenneth Carroll (Plant & Environmental Sciences)
Flora of NM Natural Resources Conservation on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Food System Sustainability in the Southwest: Developing a Strategy to Enhance Resilience, Livelihoods, and Food Security Across New Mexico and Arizona	Mark Uchanski (Plant & Environmental Sciences) John Patrick (Extension)
Foundations for Protecting Renewable-Rich Distribution Systems	Sukumar Brahma (ECE) Satish Ranade (ECE)
Funding Natural Resource Conservation on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Genes Contributing to Phytophthora Resistance	Mary O'Connell (Plant & Environmental Science)
Gold King Mine Long Term Monitoring Plan - Element 12-2 Informational Conference	Alexander Fernald (WRRRI)
Gold King Mine Spill - AES	David Thompson (Ag Experiment Station)
Gold King Mine Spill - CES	Tom Dean (Extension)
Golden Eagle Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Greater Sandhill Crane Ecology and Demography in the Middle Rio Grande Valley	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Groundwater Exploration, Assessment and Monitoring for Humanitarian Assistance in Ethiopia (Internal Award)	Frank Ward (Ag Economics & Business)
Habitat Relationships of Large Herbivores: Developing and Validating the Basis for Integrated and Facilitative Habitat Management on White Sands Missile Range	Louis Bender (Extension) Christopher Allison (ACES)
Habits and Habitat of Kinosternon hirtipes	Wiebke Boeing (Fish, Wildlife & Conservation Ecology) Jennifer Smith (Plant & Environmental Sciences)
Heart Healthy Microalgae? Algal Production of TAGs with High Levels of PUFAs	Francisco Holguin (Plant & Environmental Sciences)
Historic Architect Support for Facilities Reduction Program on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Historic Context PLS on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
IA Solar Photonics to Engineering	Marcos Quinones (PSL)
I-Corps: A Novel, Eco-Friendly Essential Oil-Based Pesticide for Organic Use	Ryan Goss (Plant & Environmental Sciences) John Winingham (Plant & Environmental Sciences)
I-Corps: New Selective Oxidation Catalysts to Reduce Energy Requirements and Waste Products	Thomas Manz (ChME)

iCREDITS: Interdisciplinary Center of Research Excellence in Design of Intelligent Technologies for Smartgrids	Enrico Pontelli (CS) Sathish Ranade (ECE) Sukumar Brahma (ECE) Jay Misra (CS) William Yeoh (CS)
Impact of Drought on Household Water Quality In Rural Southern New Mexico: Second Continuation Project	Erin Ward (WRRRI)
Impacts of Drought on Southwestern Cutthroat Trout: Influences of Changes in Discharge and Stream Temperature on the Persistence	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Impacts of Solar Energy Development on Breeding Birds of the Nutt Grasslands, NM	Martha Desmond (Fish, Wildlife & Conservation Ecology) DeeAnne Meliopoulos (Fish, Wildlife & Conservation Ecology)
Implementing Avian Protection Plan on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Improving Guidelines for Controlling Mid-to-Late Season Weeds in Chile	Brian Schutte (EPPWS)
Improving Herbicide Programs for Mid-to-Late Season Weeds in Chile Pepper	Brian Schutte (EPPWS) Erik Lehnhoff (EPPWS)
Improving the Competitiveness of Limited Resource Farmers and Ranchers (LRFR) in Southern New Mexico through the Adoption of In Situ Sensing System for the Selective and Sensitive Detection of Biological Toxins in HABs	Paul Gutierrez (Extension) Sang Yeon Cho (ECE)
Influence of Large Scale Wildfire on the Temporal and Spatial Distribution of Fish Communities and Benthic Aquatic Macroinvertebrates in the Valles Caldera National Preserve, New Mexico	Kathryn Stoner (Fish, Wildlife & Conservation Ecology)
Influence of Stream Temperature, Intermittency, and Nonnative Fishes on the Current and Future Distribution of Fishes of Conservation	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Input Optimization and Insect Pest Management in New Mexico	Jane Pierce (Ag Experiment Station)
In-situ Synthesis of Antibacterial Ultrafiltration and Microfiltration Membranes with Controllable Pore Size (Internal Award)	Reza Foudazi (ChME)
Integrated Natural and Cultural Resources Management Plan for WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Integrating Ground-Validated Distribution Models of Forage Resources with Records of Migratory Nectarivorous Bats (Phyllostomidae: Glossophaginae) to Generate Seasonally Dynamic Distribution Models	Kathryn Stoner (Fish, Wildlife & Conservation Ecology) Rachel Burke (Fish, Wildlife & Conservation Ecology)
Integrating Mechanical or Chemical Control with Biological Control for Improved Saltcedar Management at Southwestern Reservoirs	Erik Lehnhoff (EPPWS) Carol Sutherland (NMDA) Brian Schutte (EPPWS) Leslie Beck (Extension)
Intervention to Promote Navajo Gardening, Nutrition and Community Wellness	Kevin Lombard (Plant & Environmental Sciences)
Inundation Mapping for Soil and Water Conservation District Dams	Julie Maitland (NMDA)
Investigating Impacts of Energy Development on Lesser Prairie-Chicken Reproduction, Survival, Movement, and Habitat Use in Eastern	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Investigation into the Control of Invasive Feral Burro and Coyote Populations on Fort Irwin, CA	Gary Roemer (Fish, Wildlife & Conservation Ecology) James Cain (Fish, Wildlife & Conservation Ecology)
Investigation into the Control of Invasive Feral Burro Populations on the National Training Center Fort Irwin, CA	Gary Roemer (Fish, Wildlife & Conservation Ecology) James Cain (Fish, Wildlife & Conservation Ecology)
Investigation of Photon-Electron Interaction for the Sensing of Light Orbital Angular Momentum	David Voelz (ECE)
Investigation, Evaluation, and Interpretation of Cultural Resources Associated with El Camino Real de Tierra Adentro	Kelly Jenks (Anthropology) Rani Alexander (Anthropology)
In-Vivo Radiobioassay Services	Russell Hardy (CEMRC)
Kirtland AFB Mountain Lion Study	James Cain (Fish, Wildlife & Conservation Ecology)
Land-Based Sources of Air Quality Contamination in the Binational Border Region of Southwestern NM, Northwestern Chihuahua-Far	David Dubois (Plant & Environmental Sciences)
Land-Based Sources of Air Quality FY16 (Internal Award)	Michael De Antonio (Physics)
Large Arch Survey on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Large Mammal Responses to Wildfire and Landscape-Scale Forest Restoration in the Jemez Mountains, New Mexico	Gary Roemer (Fish, Wildlife & Conservation Ecology) James Cain (Fish, Wildlife & Conservation Ecology)
Lesser Prairie Chicken Management and Restoration	Scott Carleton (Fish, Wildlife & Conservation Ecology)
LTER: Long-Term Research at the Jornada Basin (LTER-VI)	Debra Peters (Jornada Experimental Range)
Lujan Neutron Scattering Center at LANL	Heinrich Nakotte (Physics)
Managing Agricultural Landscapes-Selecting Practices for Place and Time	David Thompson (Ag Experiment Station) Richard Estell (Jornada Experimental Range)
Marco Polo Wild Sheep Survey in the Pamir Region, Tajikistan	Steven Loring (Ag Experiment Station) Raul Valdez (Fish, Wildlife & Conservation Ecology)
Materials for CO2 Capture	Reza Foudazi (ChME)
MCA-PGR: Transcriptome Sequencing of the New World Miracle Trees (Leucaena, Leguminosae): Application for Plant Breeding and	Donovan Bailey (Biology)
Measuring Scaled Quail Demography and Seasonal Habitat Use in Response to a Shrub Reduction Treatment in Southwestern New	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Metal-Based Electron Transfer Processes under Confinement: A Kinetic and Spectroscopic Study of Modified Reactivity in Oil-Water RM Microemulsions	Michael Johnson (Chemistry & Biochemistry) David Richens (Chemistry & Biochemistry)
Migratory Bird Survey	Louis Bender (Extension) Gerald Hawkes (Extension)
Mitigation Site LA76465	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Modeling the Effects of Environmental Change on Crucial Wildlife Habitat	Kenneth Boykin (Fish, Wildlife & Conservation Ecology)
Monitoring and Forecasting Climate Water and Land Use for Food Production in Afghanistan (Internal Award)	Alexander Fernald (WRRRI)
Monitoring and Forecasting Climate, Water and Land Use for Food Production and Business Development in Iraq	Alexander Fernald (WRRRI) Frank Ward (WRRRI)
Monitoring and Forecasting Climate, Water and Land Use for Food Production in Afghanistan (Phase Two)	Frank Ward (WRRRI)
Monitoring Climate Afghanistan (Internal Award)	Frank Ward (Ag Economics & Business)
Monitoring of Potential Heavy Metals on Farmlands Adjacent to the Animas and San Juan Rivers	David Thompson (Ag Experiment Station)
Multi-Scale Biodiversity Metric Mapping for Ecosystem Services (Regional to National Landscape Scales)	Kenneth Boykin (Fish, Wildlife & Conservation Ecology)
Multi-State Occupancy Estimation of Amphibians in Yellowstone and Grand Teton National Parks	William Gould (Economics & International Business)
Natal Source and the Influence of Environmental Bottlenecks on Largemouth Bass Recruitment in Elephant Butte Reservoir	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
National Register Evaluation of Archaeological Sites at the Alex Launch Site on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
National Register Evaluation of Salt Cedar Clearance Locations on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)

National Register of Historic Places Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Native American Producer Success IV (NAPS IV) Project	John Patrick (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Bat Gates II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Bat Monitoring Surveys II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Golden Eagle Management Plan	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Golden Eagle Planning Level Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: HELSTF Resources Stabilization	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Jumping Mouse Planning Level Surveys II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Megacarnivore Planning Level Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Oscura Mountain Chipmunk PLS_2	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Todsen's Pennyroyal Genetics	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Todsen's Pennyroyal PLS II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: White Sands Pupfish Habitat Assessment	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resource Conservation on White Sands Missile Range: Wildlife Water Developments II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Career Development Program	Martha Desmond (Fish, Wildlife & Conservation Ecology)
Natural Resources Conservation - Historical Architect Support on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation 16K Acres Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation Military Training and Testing Activities	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Arch Field Support II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Environmental Damage Assessment II	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Green Launch Site Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Mesocarnivore Planning Level Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Migratory Bird PLS	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range - Oscura Wildlife Monitoring	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range: Mod 46 (Carnivore Planning Level Surveys)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range: Mod 49 (Launch Complex Surveys)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range: Northern Aplomado Falcon	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on White Sands Missile Range: Oscura Chipmunk PLS	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR - Archaeological Field Technician Support on White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR - Environmental Education on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Arch Historian Support (LC))	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Arch Support Launch Complex LC-35)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Booster Drop Zone survey)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Cultural Historian Support (ABRES))	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Cultural Resources Conservation Support)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Prescribed Burn Cultural Support)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Pupfish Occupancy Surveys)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Sun Zia Analysis)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)

Natural Resources Conservation on WSMR (Surface Waters PLS)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Todsens's Pennyroyal Gentic Assessment)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Todsens's Pennyroyal Recovery Plan)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR (Wildlife Water Monitoring FY16)	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR 4000 AC Arch Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR NHRP Assessment for LA51474	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR Oscura chipmunk PLS_3	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Natural Resources Conservation on WSMR Salt Cedar Arch Clearance	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Navajo Farmers and Ranchers Resource Conservation Planning and Management Training (NFR-RCMT) Project	John Patrick (Extension) Katherine Landers (Extension) Bonnie Hopkins (Extension)
New Collaborative Effort for Biomimetic-Based Research on Thermoregulatory Behavior of Stabilized Soils	Lakshmi Redid (Engineering)
New Mexico Cooperative Fish and Wildlife Research Unit	David Thompson (Ag Experiment Station)
New Mexico EPSCoR RII: Energize New Mexico	Alexander Fernald (WRRI)
New Mexico Esri ConnectED	Michael DeMers (Geography)
New Mexico Landrace Corn Project	John Patrick (Extension)
New Mexico Meadow Jumping Mouse Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
New Mexico State University (NMSU) Technology Validation and Grid Integration	Satishkuma Ranade (ECE)
NM EPSCoR RII 4 - Algal Biofuels (Internal Award)	Vimal Chaitanya (VPR)
NM EPSCoR RII 4 - Algal Biofuels Equipment (Internal Award)	Peter Lammers (ERL)
NM EPSCoR RII 4 - Energize NM Osmotic (Internal Award)	Tanner Schaub (Bio Security & Food Safety)
NM EPSCoR RII 4 - Solar (Internal Award)	Alexander Fernald (WRRI)
NMDHSEM/Watershed Mitigation	Kelly Hamilton (NMDA)
NMDHSEM/Watershed Mitigation	Kelly Hamilton (NMDA)
NMSU Heritage Farm - NRCS Walking Ecosystem	David Thompson (Ag Experiment Station)
Northern Aplomado Falcon at White Sands Missile Range	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
NRM Technical Assistance - Water Advisor	Jon Boren (Ag Experiment Station)
NSF I-CORPs: Portable Water Purification Device for the Removal of Ions and Heavy Metals	Reza Foudazi (ChME) Leila Karim (WERC)
Optical MIMO and Hybrid Communication Systems	Deva Borah (ECE)
Ordered Electronic Phase on Capacitor Plates for Electromagnetic Shielding and Inductance Applications (Internal Award)	Thomas Manz (ChME)
Phase I: Computational Analysis of High-Throughput DNA Sequence Data for Identifying Species	Brook Milligan (Biology)
Point of Use (POU) Water Treatment Systems for Improving Sustainability and Environmental Justice in Colonias of the El Paso Del	Rebecca Palacios (Public Health)
Pollution Prevention Grant	Christopher Campbell (WERC)
Pollution Prevention Grant Program	Abbas Ghassemi (WERC) Christopher Campbell (WERC)
Pollution Prevention Grant Program	Paul Andersen (ChME) Christopher Campbell (WERC)
Population Dynamics and Reintroduction Characteristics of Mexican Wolves in Arizona and New Mexico's Blue Range Wolf Recovery	James Cain (Fish, Wildlife & Conservation Ecology)
Population Trajectories and Extinction Probabilities for Populations of Large Ungulates	James Cain (Fish, Wildlife & Conservation Ecology)
Population Trends and Predicted Trajectories of American Pronghorn (Antilocapra americana) in the American Southwest	James Cain (Fish, Wildlife & Conservation Ecology)
Predation Rates and Use of Habitats and Wildlife Drinkers by Mountain Lions II	James Cain (Fish, Wildlife & Conservation Ecology)
Preparation of a Scientific Paper Based on the 2014 Economic Study of Agriculture in Southwest New Mexico	Frank Ward (Ag Economics & Business)
Preparing Students of Career Paths with the USDA Forest Service by Linking Student Success with Experiential Learning Opportunities in Forest Management and Climate Change Ecology	Martha Desmond (Fish, Wildlife & Conservation Ecology)
Prescribed Burn PLS on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Produced Water for Improving Water Supply in Southeastern New Mexico	Alexander Fernald (WRRI)
RAFT Regional Algal Feedstock Testbed Partnership	Wayne Van Voorhies (Molecular Biology) Cara Downes (Economics) Tanner Schaub (Bio Security & Food Safety)
Realization of Algae Potential (REAP)	Vimal Chaitanya (VPR) Francisco Holguin (Plant & Environmental Sciences) Khandan (CE) Wiebke Boeing (Fishery & Wildlife Sciences) Tanner Schaub (Bio Security & Food Safety)
Red Canyon Range Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Reducing Treatment Costs of Alternative Waters with Antifouling Ion-Exchange Membranes (Internal Award)	Pei Xu (CE) Huiyao Wang (Core)
Regional Algal Feedstock Testbed (Internal Award)	Francisco Holguin (Plant & Environmental Sciences)
Re-Inventing America's Urban Water Infrastructure	Khandan (CE), A. Bawazir (CE), Bernhard Leinauer (Extension), James King (CE), Shuguang Deng (ChME)
Re-Inventing America's Urban Water Infrastructure (Internal Award)	Bernhard Leinauer (Extension)
Re-Inventing America's Urban Water Infrastructure (Internal Award)	Pei Xu (CE)
Resource Selection and Movements of Mule Deer and Elk on the Jemez Pueblo	James Cain (Fish, Wildlife & Conservation Ecology)
Response of Lesser Prairie Chickens to Fire and Mesquite Removal	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Responses of Elk, Mule Deer, Black Bear and Mountain Lions to Large-Scale Forest Restoration in New Mexico	James Cain (Fish, Wildlife & Conservation Ecology)

REU Site: Re-Inventing America's Urban Water Infrastructure	Khandan (CE)
Reverse Osmosis Concentrate Management through Halophyte Farming	Manoj Shukla (Plant & Environmental Science)
Safety Training For Large-Herd Dairy Workers Using an Innovative Mobile-Learning Platform	Gerrit Hagevoort (Extension)
Salt Cedar Management	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Salt Cedar PLS on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Sandia National Labs Gas Analysis	Russell Hardy (CEMRC)
Scaled Quail Ecology - WSMR	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Scientific Support and Partnership for Renewal Resource Programs in BLM	Brandon Bestelmeyer (Ag Experiment Station)
Screening Xylella Fastidiosa in USDA ARS National Collection of Genetic Resources for Carya	Jennifer Randall (EPPWS)
Seasonal Ecology of Pecos Pupfish in a Dynamic, Remnant Wetland	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Seedling Production for EMNRD Forestry Division	Owen Burney (Ag Experiment Station)
Selecting and Managing Practices for Agricultural Landscapes	Richard Estell (Ag Experiment Station)
Self-Sustained Produced Water Treatment for Concurrent Renewable Energy Production, Desalination and Organic Removal (Internal)	Pei Xu (CE)
Small-Scale Low-Temperature Multiple Effect Distillation for Brackish Groundwater Desalination Using Heat from Biomass Pyrolysis	Catherine Brewer (ChME)
Southwest Natural Resource Career Track Program: Preparing Students for Success in Natural Resource Fields	Martha Desmond (Fish, Wildlife & Conservation Ecology)
Southwestern Willow Flycatcher Surveys on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
SSP: Assessing the Response of Lesser Prairie-Chickens to Mesquite Removal and Application of Prescribed Fire in the Shinnery Oak	Scott Carleton (Fish, Wildlife & Conservation Ecology)
Stabilizing Records/Ranching Oral History WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
State Water Resources Research Institute Program Fiscal Year 2011	Alexander Fernald (WRRRI)
StateView Program Development and Operations for the State of New Mexico	Kenneth Boykin (Fish, Wildlife & Conservation Ecology)
Sustainable Use of Biomass Resources in a Semi-Arid Landscape: Connecting Chem. Eng, Soil Science, and Extension	Catherine Brewer (ChME)
Sustainable Water Management for Irrigated Agriculture in a Desert River Basin Facing Climate Change and Competing Demands: From	Frank Ward (Ag Economics & Business)
Sustaining Agriculture through Adaptive Management to Preserve the Ogallala Aquifer Under a Changing Climate	Mark Marsalis (Extension) Sangamesh Angadi (Ag Experiment Station)
Sustaining Alfalfa Production in the Western United States through Deficit Irrigation Management and Breeding	Ian Ray (Plant & Environmental Science)
Sustaining the Future of Navajo Rangelands via Mobile Learning Tools to Promote Enhanced Vegetation Management	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
SW Climate Hub Extension and Outreach	Jon Boren (ACES)
System Long Term Exposure	Satishkuma Ranade (ECE)
Technical Assistance to the Bureau of Economic Growth and Trade	Jon Boren (ACES)
Technical Support for the Paso del Norte Watershed Council (PdNWC) Website	Christopher Brown (Geography)
Theoretical Characterization of Functionalized Carbon Nanostructures	Igor Vasiliev (Physics)
Theories and Algorithms to Achieve Linear Capacity Scaling in Wireless Networks through the Opportunistic Usage of Directed Energy Links	Hong Huang (ECE) Jay Misra (CS)
Time Resolved Flow Cytometric (Internal Award)	Jessica Houston (ChME)
Todsen's Pennyroyal Endangered Species Management Plan, Population Surveys and Monitoring	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Top-Down and Bottom-Up Influences on Mule Deer in Central New Mexico	James Cain (Fish, Wildlife & Conservation Ecology)
Transboundary Aquifer Assessment Program (TAAP): NM WRRRI Effort	Alexander Fernald (WRRRI)
Transient Studies for El Paso Electric Company	Satishkuma Ranade (ECE)
Tree Improvement and Forestation Plan	Sukumar Brahma (ECE)
Trinity NHL Site Assessment on White Sands Missile Range	Owen Burney (Ag Experiment Station)
Tularosa Springsnail Planning Level Survey	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Update of the OverLoad Routing System Computer Program	Tathagata Ray (CE) David Jauregui (CE)
URS-PS Facility Support	Russell Hardy (CEMRC)
USDA Wildlife Service	Julie Maitland (NMDA)
Using Remote Sensing to Develop ET Fluxes for the Mesilla Valley Aquifer (Internal Award)	A. Bawazir (CE) Zohrab Samani (CE)
Ute Creek Watershed Restoration & Management Project	Nicholas Ashcroft (Extension) Douglas Cram (Extension)
Validation of a Molecular Screening Tool to Identify Asian Fish Tapeworm in Imperiled Native Fish Populations	Colleen Caldwell (Fish, Wildlife & Conservation Ecology)
Variable Gravity Two-phase Heat Sink with Ultraomniphilic Surfaces	Krishna Murty Kota Venkata (AME)
Waste Processing with Pyrolysis to Recover Water and Nutrients	Catherine Brewer (ChME)
Weir Hydro Hydropower Harvesting form Weir-Flow Systems	Nadipuram Prasad (ECE)
WERC Arsenic Water Treatment Program	Abbas Ghassemi (WERC)
What are the Effects of the Gold King Mine Spill on San Juan County, NM Agricultural Irrigation Ditches and Farms? (Internal Award)	Kevin Lombard (Plant & Environmental Sciences) April Ulery (Plant & Environmental Sciences)
WHEELS OF CHANGE: A Consortium to Develop Champions in Agriculture in the Areas of Sustainable Energy and Natural Resource Management	Delia Valles-Rosales (IE) Richard Heerema (Extension) Hansuk Soh (IE) Saundra Castillo (DACC) Reza Foudazi (ChME)
White Sands Pupfish Habitat Management Plan	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
White Sands Pupfish Management Environmental Assessment	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Wildland Fire Management Plan	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Wildlife Water Developments on WSMR	Gerald Hawkes (Cooperative Extension Service)
WRRRI 104 b Program	Alexander Fernald (WRRRI)

WSMR Bat Planning Level Surveys	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)
Yellow-Billed Cuckoo on WSMR	Gerald Hawkes (Cooperative Extension Service) Louis Bender (Cooperative Extension Service)