



AARON J.M. RUSSELL

My research is focused on decentralized natural resources governance institutions; the contributions of diverse forest and fishery products to livelihood strategies; the effectiveness of national policies in protecting the interests and rights of local stakeholders; and how regional drivers of land-use change and climate change impact on local livelihoods, systems of tenure, and vulnerability overall. At present my research focusses primarily on Africa and South East Asia.

ANNE NOLIN



Dr. Anne Nolin is a Professor in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University where she leads the Mountain Hydroclimatology Research Group. Her research focuses on the interactions of climate with mountain snowpacks and glaciers. Funded by NASA, NSF, and USGS she has published on “at risk” snow, melting glaciers from Alaska to the Andes, and new ways of mapping snow and glaciers from space. Dr. Nolin received her Ph.D. degree in Geography from the University of California-Santa Barbara in 1993. From 1993-2002, she worked as a Research Scientist at the University of Colorado, spending several field seasons on the Greenland ice sheet. In 2002, Dr. Nolin joined the faculty of the Department of Geosciences, Oregon State University. She is a member of the NASA Science Team for the MISR instrument and has won two NASA group achievement awards. She has served as an Expert Reviewer for the IPCC AR4, and Associate Editor for Water Resources Research, The Cryosphere, and the Journal of Hydrometeorology. In 2009-2010 Dr. Nolin received an Erskine Fellowship at the University of Canterbury, New Zealand and held the Landolt Chair in Sustainable Futures at EPFL in Lausanne, Switzerland. Dr. Nolin teaches undergraduate and graduate courses in snow hydrology, climatology, mountain geography, satellite remote sensing and digital image processing.

BERTA MARTIN-LOPEZ



Berta Martín-López is an invited researcher at the Environmental Change Institute of the University of Oxford and researcher at the Social-ecological Systems Laboratory of the Autonomous University of Madrid. She is also member of the scientific committee of PECS (<http://pecs-science.org/>) and eco-SERVICES (<http://www.diversitas-international.org/activities/research/ecoservices>). Her research interests focus on analyzing the dynamics of social-ecological systems, including the assessment of ecosystem services and the institutional analysis of biodiversity and ecosystem services.

CARA ELIZABETH STEGER



I am an incoming PhD student at Colorado State University, working with Julia Klein and Paul Evangelista. My work draws of theories of complexity science to engage at the intersection of human and physical geography. For my dissertation, I will use participatory modeling approaches to study patterns of resource use and ecosystem services in the southern highlands of Ethiopia. Following my B.S. in Forest Science (University of Illinois), I served for two years as a Peace Corps volunteer in Senegal. I then received my Master's degree from the University of Michigan, with a thesis that tested the reliability of data produced by tourists as citizen scientists in Kenya's Maasai Mara National Reserve. I have since been working as a modeler on Laurentian Great Lakes issues (e.g. harmful algal blooms, invasive mussels) at the University of Michigan's Water Center.

CATHERINE TUCKER



Dr. Catherine Tucker is an Associate Professor and Chair of the Department of Anthropology at Indiana University. She is an economic and ecological anthropologist whose research focuses on human-environment interactions in Latin America, using transdisciplinary approaches. Her work integrates interests in institutional analysis, community-based natural resource management, globalization, political ecology, and sustainability. She is a co-principal investigator on the NSF funded Mountain Sentinels Research Coordination Network, which involves over 40 international mountain researchers representing the natural and social sciences. Currently her major research project explores coffee producers' adaptations to market volatility and climate change in mountainous areas of Mexico and Central America. This work complements

ongoing research that explores the social, ecological, political, and economic processes linked to community-based forest and watershed management in the mountains of western Honduras and Oaxaca, Mexico. She co-leads a multinational research project that is examining whether alternative trade certifications (fair trade, shade grown, organic, etc) help improve coffee growers' livelihoods and biodiversity conservation. She has published two books, an edited volume and over 40 articles, chapters and reports.

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DANIEL WAISWA



Daniel Waiswa is a multi-skilled professional natural resource management specialist. He is a holder of a Ph.D. in Forest Biometrics and Geomatics from Virginia Polytechnic Institute and State University in USA, Master of Science in Computer Science and Bachelor of Science in Forestry from Makerere University in Uganda among other qualifications. Since 2000, Daniel has been employed as a Lecturer at Makerere University. He has also been engaged in several research, consultancy and outreach assignments in both natural and social sciences. Daniel works with the Uganda Forestry Resources and Institutions Center (UFRIC), Makerere University under the International Forestry Resources and Institutions (IFRI) Program where the focus is on monitoring forestry resources and institutions, even in mountainous areas. Daniel has also been involved in executing a vulnerability impact assessment in mountainous areas of Uganda under the Ecosystem-Based Adaptation (EBA) approach. Research interests include land use land cover dynamics, deforestation, climate change modelling, mitigation and adaptation, and sustainable management of natural resources in the face of increasing livelihood demands.

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DAVID KREUER



David Kreuer has a background in Middle East Studies and Computer Science (Universities of Leipzig, Birzeit, California at Santa Barbara). He has carried out empirical social-geographical fieldwork, mainly in Arabic, in various sites throughout the Middle East and North Africa. This includes two large-scale household surveys in valleys and villages of the Moroccan High Atlas in 2009 and 2012; the findings of the 2012 survey are currently being prepared for publication, with a focus on processes of commensuration and global integration. Other topics have included rural social change, development, youth studies, and mountain and steppe pastoralism. In his ongoing PhD project, David analyzes societal transformations and drought in eastern Morocco with the help of actor-network theory. From 2008-12, David was a Research Assistant at Collaborative Research Center 586 'Difference and Integration' (Universities of Leipzig and Halle-Wittenberg). He has been part of the Junior Research Group 'POLISES' (Helmholtz Center for Environmental Research – UFZ, Leipzig) since 2015.

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GORDON GRANT



Gordon Grant is a Research Hydrologist with the USDA Forest Service at the Pacific Northwest Research Station in Corvallis, Oregon, and also Courtesy Professor of Geosciences in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University. Following a decade-long career as a whitewater river guide, he received his Ph.D. from Johns Hopkins University in 1986 under the tutelage of Professor M. Gordon (Reds) Wolman. He began his career with the research branch of the Forest Service in 1985 with the overarching goal of advancing understanding of how stream networks, watersheds, and entire landscapes respond to changes in streamflow, sediment transport, and wood entrainment. Over the course of his career he has studied a wide range of drivers of fluvial regimes, including responses to natural disturbances such as fire and volcanic eruptions, changes in forest land use, effects of dam construction or removal, river restoration, climate change, and the intrinsic evolution of geomorphic systems. While his earlier research focused almost exclusively on forested mountain landscapes in the Pacific Northwest, the geographical scope of his work now encompasses entire river systems, and directly addresses scales ranging from geological provinces (i.e., Cascade Mountains) to the western U.S. to international comparisons of river systems and management in diverse terrains. This work has included extended collaborations with research groups in Japan, China, and Italy. He is the designated U.S. representative for the U.S. China Bilateral Exchange for Natural Disasters with the Chinese Academy of Science's Institute for Mountain Research and Environment in Chengdu. He is a former Deputy Editor and Associate Editor for the journal *Water Resources Research*, chairs the Science Steering Committee for the US Critical Zone Observatory Program funded by the National Science Foundation, and is a Fellow of the Geological Society of America.



GREG GREENWOOD

Since 2004, Dr. Greenwood has been Executive Director of the Mountain Research Initiative (MRI), an international project office funded by the Swiss NSF under the auspices of IGBP, GTOS and IHDP and focused on global change research in mountains worldwide. As Director, he has promoted the expansion of global change research in mountains at the global level through concerted efforts on observations and assessments, workshops on topics of key interest to the mountain community, through networking events, traditional media and new media communication channels, and through collaboration with other research networks and organizations focused on sustainable mountain development. Prior to MRI, he served as Science Advisor to the Resources Secretary of California and Climate and Bioenergy Advisor for the California Department of Forestry. He has a Ph.D. in Ecology from the University of California at Davis, an M.S. in Range Science from Colorado State University and a B.A. in Geography from Middlebury College. He counts his time at the State of California as his post-doc in political reality. He is familiar with the Northern Appalachians, the Colorado Rockies, the Sierra Nevada and Cascades, the Swiss Alps, the Highlands of Western Cameroon, and selected portions of Tibet, the Karakorum and the Himalaya.



JOSE JESUS HERRERIAS

Jose Jesus Garcia Herrerias, is an agent of local innovation in the municipality of Abla, a small town of the Alpujarra (Almeria) in the Sierra Nevada Mountains. His work aims to foster the cultural identity and preserve local traditions through developing activities in collaboration with municipal associations, to raise awareness about local agro-biodiversity by developing a project of organic farming with children in the school garden and to train citizens in the use of new technologies in the Guadalinfo Telecentre. He is also the secretary and founder of the trekking club "Los Puntones" with which he has guided many hikers in the Sierra Nevada Mountains. Through all this work, he helps to raise awareness about the cultural and natural heritage in Sierra Nevada.

JULIA KLEIN



Dr. Julia Klein is an Associate Professor in the Department of Ecosystem Science & Sustainability and with the Natural Resource Ecology Lab at Colorado State University (CSU). Her work focuses on resilience and adaptation of social-ecological systems to global change in mountain and pastoral systems worldwide. Dr. Klein has worked for almost 20 years studying climate change, extreme weather events and grazing policies on the Tibetan Plateau. She is the lead PI of the Mountain Sentinels Collaborative Network, an NSF-funded Research Coordination Network focused on transdisciplinary approaches to mountain social-ecological system sustainability. She was a Fellow with the NOAA Global Change Program and the NCAR/UCAR Visiting Scientist Program. Her work has been published in top-level journals, including Science, Nature, and the Proceedings of the National Academy of Sciences. She has given policy-relevant talks related to mountains at the UN Framework Convention on Climate Change COP20 meeting in Peru and has also been part of an Ad Hoc Technical Expert Group for the Secretariat of the UN Convention on Biological Diversity. She is an Associate Editor for Arctic, Antarctic and Alpine Research and a member of the Scientific Leadership Committee of the Mountain Research Initiative. Dr. Klein teaches courses on ecosystem ecology, global change, and sustainability science.

KARIM-ALY SALEH KASSAM



Dr. Karim-Aly S. Kassam is International Professor of Environmental and Indigenous Studies in the Department of Natural Resources and the American Indian Program at the College of Agriculture and Life Sciences, Cornell University. In 2014, he was elected to the Board of Directors of the International Society of Ethnobiology. Since 2013, he serves as Associate Editor of the Journal *Action Research*. In 2013, Dr. Kassam received the College of Agriculture and Life Sciences Diversity Award for creating and fostering diversity in research and teaching. From 2008 to 2011, he was Director of Graduate Studies of the American Indian and Indigenous Studies Program. Prior to joining Cornell, Dr. Kassam was Associate Professor with the Faculty of Communication and Culture at the University of Calgary, Canada. He has received three Teaching Excellence Awards in 1999, 2002, and 2006. In 2003, he was the first Canadian to receive the Organization of American States – Fulbright Ecology Fellowship. He developed and established the Theme School in Northern Planning and Development Studies in 1995 and until 2003 was its Director. From 1998 to 2001 Dr. Kassam was the first Murray Fraser Professor of Community Economic Development at the University of Calgary. In 2003, *Venture Magazine* named him, one of Alberta's 50 most influential people along with business and political leaders. Dr. Kassam is a Senior Research Fellow of the

University of Central Asia, Fellow of the Commonwealth Society at Cambridge University, Research Associate of the Arctic Institute of North America, Faculty Fellow of the Atkinson Center for a Sustainable Future at Cornell University, and Elected Member of the Academy of Sciences of the Republic of Tajikistan. Dr. Kassam holds a PhD in Natural Resource Policy and Management from Cornell University (USA), an MSc in Social Policy and Planning in Developing Countries from the London School of Economics (UK), an MPhil in Islamic Studies from the University of Cambridge (UK), and a BA in Economics from the University of Calgary (Canada). Dr. Kassam has been tenured twice in his career: first, in a largely social science and humanities department; and second in a largely ecological sciences department. Dr. Kassam's objective is to seamlessly merge teaching with applied research in the service of communities. His research focuses on the complex connectivity of human and environmental relations, addressing indigenous ways of knowing, food sovereignty, sustainable livelihoods, and climate change. This research is conducted in partnership with indigenous communities in the Alaskan, Canadian, and Russian Arctic and Sub-Arctic; the Pamir Mountains in Afghanistan and Tajikistan; and the rain forest in the south of India. By investigating the relationship between biological and cultural diversity, Dr. Kassam seeks to expand the foundations of the notion of pluralism.



#### KELLY HOPPING

I am finishing my PhD in Ecology at Colorado State University, with Julia Klein as my advisor. For my dissertation research I have been part of an interdisciplinary team looking at the effects of climate and policy changes on pastoral social-ecological systems in central Tibet. I am also a research associate on another project focusing on how to enhance Mongolian pastoralists' ability to cope with the impacts of climate change, and soon I will be starting a post-doctoral position that will explore the social and environmental consequences of harvesting highly valuable medicinal fungi from alpine pastures in Bhutan. The connecting thread through these projects is my interest in integrating ecosystem science with local ecological knowledge to find ways to hopefully improve the sustainability of alpine ecosystems and the well-being of local communities that are facing unprecedented changes, often with all too little support.



#### MARTHA MORENO

Martha Lizeth Moreno Carias is a biologist with broad experience working in mountainous regions of Honduras. She graduated from the National Autonomous University of Honduras in 2001. Her thesis focused on Celaque Mountain National Park, the highest mountain in Honduras. It is known for its high biodiversity cloud forest. Martha studied the floristic structure of trees across micro watersheds, and worked with communities located within the reserve to learn their attitudes toward the park and how they use its plants and natural resources. The Celaque region was recently named by UNESCO as the Cacique Lempira, Señor de las Montañas Biosphere Reserve. Over the past 15 years, Martha has worked in many of Honduras mountain biosphere reserves, including La Tigra, Pico Bonito, Agalta, and Guisayote and Montecillos. She worked for the Honduran Government as Coordinator of the Department of Wildlife in the National Forestry Development Corporation (COHDEFOR, now ICF) from 2001-2006. During this time she coordinated monitoring and research in protected areas, especially in the Honduran Mosquitia region. She worked with indigenous populations in the Mosquitia to explore resource use and also studied the scarlet macaw. Since 1999, she has worked as a consultant with Catherine Tucker on research projects in western Honduras studying land use change, community-based forest management, plant biodiversity, and adaptation to climate change among the indigenous Lenca population. Recently this work has explored the impacts of coffee production on land use and how farmers' are adapting to market volatility and severe weather events. Martha teaches periodically at the National Forestry School (ESNACIFOR) in Siguatepeque, Honduras, including classes on Botany, Ecotourism, and Wildlife Population Ecology.



#### MATEJA SMID

Mateja Šmid Hribar is a researcher at the ZRC SAZU Anton Melik Geographical Institute (Ljubljana). Her background is in Sociology of culture and Philosophy. In 2008 she got M.Sc. on Conservation of Natural Heritage and in 2015 Ph.D. on Geography. Her research interests are focused on human-nature interactions, the role of ecosystem services in landscape management and on managing the commons in cultural landscapes. She is the author and the co-author of several papers dealing with cultural and natural heritage, protected areas and sustainable development of cultural landscapes. Since 2009 she has been coordinator and a member of editorial board of the Slovenian Digital encyclopedia of natural and cultural heritage – DEDI [www.dedi.si](http://www.dedi.si).



MOHAMED MAHDI

Mohammed Mahdi has been a professor of Rural Sociology at the National School of Agriculture in Meknès since 1987. He was a visiting professor in Montpellier, Venice, and Leipzig, and has been employed as an expert and consultant for numerous studies by Moroccan and international institutions. Mohammed obtained his PhD in Political Science with a thesis on pastoral organization in the High Atlas. Over his research career, he has studied topics as diverse as the Muslim sacrifice, high-mountain pastoral enclosures and biodiversity, water use, international migration, collective lands, or transhumance and sustainability. He has published monographs, edited volumes, book chapters, and journal articles based on his fieldwork in Morocco and beyond, and has been an active educator of generations of Moroccan agricultural engineers and administrators.



RICHARD BONET

Scientific director of the Parc National des Ecrins, France.



ROBERT HUBER

I'm an agricultural economist by training and I work as a scientific coordinator of an inter- and transdisciplinary research project that addresses the provision of mountain ecosystem goods and services under global change in an integrative framework. My research focuses on the integration of knowledge of different disciplines such as ecology, economics and politics to analyse and evaluate management and policy options that promote and improve sustainable development. My work concentrates on the agricultural and forestry sector and the interactions of these sectors on the landscape level. I'm interested in how these multifunctional sectors can provide essential non-markets goods and services while maintaining their primary economic functions of food, wood and energy production. Thereby, I focus on the supply side of ecosystem service provision by using bio-economic and agent-based modelling techniques as well as the demand side by analysing the appreciation and valuation of these landscapes by the society using surveys and economic valuation methods. The key question of my research is how to match both supply of and demand for ecosystem services on a landscape scale. I also work in a consultant company for applied research and policy evaluation in agricultural and regional economics. Thus, I'm strongly interested in the applicability and implementation of my research methods in actual decision making in rural areas of Switzerland.



ROBERT MARCHANT

My research and teaching interests focus on the theme of vegetation dynamics and ecosystem change. In particular, I use paleoecology, vegetation modelling, archaeological, biogeographical and ecological data to determine the role of past events in shaping the present day composition and distribution of tropical vegetation. My interest in tropical environments was sparked by a Royal Geographical Society-sponsored expedition to study seagrass and coral ecosystems off Zanzibar. I conducted my PhD research at the University of Hull producing a 50,000-year record of forest history from Bwindi-Impenetrable Forest, Uganda to understand forcing mechanisms (climatic, human and ecological) responsible for sedimentary and vegetation change. From this I moved to the University of Amsterdam to pursue my interests in the spatio-temporal character of vegetation change, now focusing in Latin America through the Biome 6000 project. In 2003 I took a Marie-Curie research fellowship in the School of Botany, Trinity College, Dublin where I have been developing and using a pollen database for Ireland. My main research area remains in tropical environments and I am currently working on projects in Colombia, Amazonia, Kenya, Tanzania and Uganda.



ROBIN REID

Dr. Robin Reid is the Director of the Center for Collaborative Conservation and a Professor in the Department of Ecosystem Science and Sustainability at Colorado State University. She was formerly the Global Project Leader for the International Livestock Research Institute in Kenya and a Senior Fellow at the Kennedy School of Government, Harvard University. The goals of her work are to use the best of ecological and social science to find, communicate and put into action new and lasting ways to better sustain the ecological services provided to humanity by arid lands around the world. In 2014, Dr. Reid received the Michael Malone Award in International Leadership from APLU, a national US award for one faculty member. In 2012, she received the Ecological Society of America's Sustainability Science Award. She is the author of 55 journal articles, 7 books, and 23 book chapters. She has presented 87 keynotes and contributed oral talks in international meetings. Dr. Reid has also raised over \$46.5 million in grants, endowments and individual gifts since 1992. Aside from advising 32 PhD, 23 MSc, 81 Fellows and 20 undergraduate students over the years, Dr. Reid has also led and managed transdisciplinary teams of scientists, government managers, business owners, and non-profits over the past 30 years.

SANDRA LAVOREL



Sandra LAVOREL's research focuses on climate and land management impacts on ecosystems and their services, and how their ecological and social knowledge can support climate change adaptation. She has built on the strengths of functional ecology to develop original concepts and methods for the modelling of ecosystem services. Specifically, she spearheaded trait-based approaches to questions ranging from disturbance responses, linking these to biodiversity effects on ecosystem functioning, and to the modelling of provisioning and regulating ecosystem services. With over 170 publications in international journals, she has received numerous awards including CNRS's Silver Medal for mid-career scientists and the Alexander van Humboldt award from the International Association of Vegetation Science. She was elected as a member of the French Academy of Sciences in 2013. Her experience in interdisciplinary research, building close participation of local and regional stakeholders, contributes to national and international biodiversity and ecosystem assessments. She chairs the French National Ecosystem Assessment scientific committee, has participated in two IPBES working groups, co-authored the IPBES conceptual framework, and will be serving as lead author for the IPBES Europe and Central Asia Assessment. She is a member of the Scientific Committee of the Future Earth ecoSERVICES project and of the Mountain Research Initiative.

TSECHOE DORJI



Tsechoe Dorji (SIQUEDUOJI in Chinese Pinyin) was born in a nomadic family in Ngari prefecture, Northwestern Tibet. Mr. Dorji went to Gansu Agricultural University in Gansu province of P.R. China for his Bachelor degree and received his Master and PhD degree at Tromso University and Norwegian University of Life Sciences in Norway respectively. He has been a lecturer at the Agricultural and Animal Husbandry College of Tibet University right after his completion of Bachelor degree from Gansu, but he is now working as an associate professor at the Institute of Tibetan Plateau Research, Chinese Academy of Sciences. Dr. DORJI focuses his research on the effect of climate change and pastoral management practices on alpine plant ecology on the Tibetan Plateau. He is particularly interested in understanding alpine plant adaptation mechanisms in response to climate change and human induced disturbances using functional trait based approaches. He, as PI, had completed a research project entitled "biodiversity conservation and pastoralism cultural studies in north-western Changtang of Tibet" (2008-2010). This project was funded by the Ministry of Human Resource, P. R. China. Dorji was also a main investigator (China part) for an international collaborative research project funded through Network for University co-operation Tibet-Norway. He has also participated in many Natural Science Funds of China's (NSFC) research projects and now a PI for an on-going (2015-2018) NSFC funded project entitled "Mechanism of alpine meadow plant species and community phenology in response to climate change and grazing: based on a multi-factorial field experiment" (grant number: Y5lc011001 ). Dorji has published more than 20 papers on international (SCI) and Chinese national journals.