



Ms. Shaara Ainsley, Fisheries Biologist, FISHBIO, USA

I am fisheries biologist and aquatic ecologist with ten years of research experience in California, Alaska, the Mekong Basin, and Central America. I help coordinate FISHBIO's Mekong River program, contributing to the design, implementation, and reporting of fisheries projects in Southeast Asia. My work includes developing and supporting the Mekong Fish Network, and working with fisheries researchers in Vietnam, Thailand, Laos and Cambodia to develop tools to facilitate coordination and collaboration throughout the Mekong River basin. My recent research includes developing and assessing participatory fisher catch surveys in Lao PDR, surveying aquatic ecosystem services of small wetlands in dry, open forests of Vietnam and Cambodia, and the examining abundance and timing of juvenile salmonid outmigration from California's San Joaquin River basin. I received a Masters degree in Ichthyology from Moss Landing Marine Laboratories in 2009.

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Dr. Edward Allison, Professor, School of Marine and Environmental Affairs, University of Washington, USA

Professor Allison's work spans research, policy and practice in both fisheries science and international development. He has worked on the coasts and inland waters of sub-Saharan Africa, Asia, Oceania, Latin America and Europe, principally on the contribution of fisheries and aquaculture to food and nutrition security and to coastal livelihoods, the governance of small-scale fisheries and aquaculture production, and people's vulnerability and adaptation to climate change. Since working in Malawi for the UK Department for International Development in the early 1990s he has held a faculty appointment in the School of International Development, University of East Anglia, has advised the UN Food and Agriculture Organization, and was Director of Policy, Economics and Social Science at the WorldFish Center, Malaysia. He is currently a Professor of Marine and Environmental Affairs at the University of Washington, Seattle.

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Dr. Irit Altman, *Post-Doctoral Research Associate, Boston University, USA*

Irit Altman is an ecologist and conservation scientist with extensive experience integrating ecological information into complex system models to understand ecosystem scale consequences of natural resource management and policy decisions. Her academic training is as marine and estuarine benthic community ecologist and this area of study continues to be a primary interest. Currently, her research is focused on understanding the dynamics that occur between

humans and the natural resources which sustain their economy, culture, and wellbeing and using this knowledge to explore opportunities for sustainable natural resource management.

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Dr. Mauricio Arias, *Giorgio Ruffolo Post-Doctoral Research Fellow, Sustainability Science Program, Harvard University, USA*

Mauricio Arias is a Giorgio Ruffolo Post-doctoral Research Fellow in the Sustainability Science Program at Harvard University. His research aims at creating science-based linkages between the hydrological cycle, ecosystems, and society in order to promote sustainable management of water resources. He has studied physical, biological and chemical properties of freshwater ecosystems in the Americas and South East Asia.

As part of the Initiative on Sustainable Development of the Amazon and its Surrounding Regions: The Interplay of Changing Climate, Hydrology, and Land Use led by Paul Moorcroft, Mauricio is investigating the effect of hydropower operations in river flows and how hydrological alterations through the basin could be mitigated while maintaining electricity generation needs. He holds a Bachelor of Science and a Masters of Engineering in Environmental Engineering Sciences from the University of Florida, and a PhD in Civil Engineering from the University of Canterbury in New Zealand, where he was awarded the University of Canterbury's International Doctoral Student Scholarship. Mauricio's doctoral research focused on the Mekong River Basin, where he quantified the impacts of hydropower development and climate change on the hydrology and ecology of the Tonle Sap, Southeast Asia's largest lake and one of the most productive freshwater fisheries on the planet.

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Dr. Craig Bakker, *Postdoctoral Fellow, Johns Hopkins University, USA*

In 2011, I completed my undergraduate degree in mechanical engineering with a minor in mathematics at the University of Victoria; in February 2015, I finished my doctorate in engineering at the University of Cambridge. My mathematics minor focused on applied mathematics (mathematical modelling, differential equations, and calculus), and my doctoral research was in Multidisciplinary Design Optimization (MDO). Additionally, through my PhD work, I have come into contact with various field related to optimization:

metamodelling, optimal control, numerical methods for differential equations, and multi-objective optimization. I have now taken up a position as a postdoctoral fellow at Johns Hopkins University, where I am coordinating a multidisciplinary team looking at the effects of climate change on the food supply. The model we are developing aims to help understand how a changing climate is affecting food production, distribution and access in light of energy and water availability, population growth, and food demand. It also aims to understand the effects climate change may have on human health via the food system.

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Dr. Michael Binford, *Professor and Chair, Department of Geography, University of Florida, USA*

Michael W. Binford progressed into Geography after earning his Ph.D. in Biology and Geology from Indiana University in the early Anthropocene and a stint teaching Landscape Architects, during which he was on John Felkner's doctoral committee. That was preceded by two degrees in Fisheries Biology, first a B.S. from Kansas State University and then an

M.S. from Louisiana State University. He is currently Professor and Chair of the Department of Geography of the University of Florida and now calls himself a Macrosystem Biogeographer, whatever that is. Binford is interested in the biophysical aspects of human-environment interactions in very large areas, especially how people change land as they use it and how they both cause and respond to environmental variability. He uses satellite remote sensing data and spatial science approaches to collaborate with ecosystem scientists, anthropologists, sociologists, forest ecologists, agricultural and biological engineers, and civil engineers. Binford has been privileged to work on research projects in the Southeastern USA, Latin America including the Caribbean, East and Southern Africa, and Southeast Asia.

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Dr. Roel Boumans, Director, AFORDable Futures

Roel Boumans is a pioneer in developing the concepts behind dynamic GIS systems modeling and has published several peer reviewed papers on the subject. He is the Director for AFORDable Futures, a leader in the design and application of ecosystem based management tools to include the Multiscale Integrated Model of Ecosystem Services (MIMES). He also serves as a Special Government Employee for the US Environmental Protection Agency to help them forward their thinking on Ecosystem Services. Roel joined the Maryland Institute of Ecological Economics as an Associate Research Scientist in 1996. His work at ISEE focused on processes from various ecosystems that take place at the landscape level within the Patuxent River watershed, and the development of landscape modeling protocol that largely makes use of computer technology to structure ecological data into a temporal and spatially relevant database structure. He moved with the ISEE to Vermont to work at the Gund Institute for Ecological Economics. As an ecological economist Roel has worked on issues concerning the conceptualization and valuation of ecosystem services and was the designer builder of the Global Unified Metamodel of the Biosphere (GUMBO). He also speaks on panels and teaches courses worldwide. Roel's work as an estuarine ecologist inspired the Christmas tree fencing projects in Louisiana and led to the development of the Surface Elevation Table.

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Dr. Phen Chheng, Acting Director, Inland Fisheries Research and Development Institute (IFReDI), Cambodia

Mr. CHHENG Phen is Acting Director of Inland Fisheries Research and Development Institute (IFReDI), Fisheries Administration (FiA), Chairperson of the Sub Group Technical Working Group on Dams; Member of Technical Working Group on Climate Change; Representative of the Technical Working Groups on Trans-boundary Fisheries Management with Thailand, Laos PDR and Vietnam. He is member of Steering Committee for IWRM program and Technical Advisory Body of Fisheries Program of the MRC, Team Leader of the Ecological Health Monitoring Program; the Fish Production Component of the Assessing Economic and Welfare Values of Fish in the Lower Mekong Basin; Understanding the Impact of Mekong Mainstream Hydropower Dams on Foods and Nutrition Security research project; Assessment of Fish Sanctuaries in Tonle Sap Lake project. He holds a BSc in Fisheries Science from the University of Agriculture, Forestry and Fisheries in HCMC, Vietnam, and an MSc in Conservation and Aquatic Biology from the USM, Malaysia.

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Dr. Thomas Cochrane, *Associate Professor, Department of Civil and Natural Resources Engineering, University of Canterbury, New Zealand*

I am a natural resources engineer with professional expertise in hydrology, riverine systems, environmental conservation, agricultural development, and water infrastructure development. I have lead various projects in natural resources conservation in South America, New Zealand, U.S.A., and Southeast Asia. My recent research work has focused on identifying the physical, economic, and environmental impacts to rivers and lakes from water infrastructure development and natural hazards. This work has involved environmental monitoring, catchment wide environmental impact assessments, and hydraulic/hydrological modelling of hydropower dam development and operations. I have been doing research in the Mekong region since 2009. As an academic at the University of Canterbury, I regularly teach courses in integrated catchment analysis and water infrastructure & design.

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Dr. Peter Cutter, *Science and Data Co-Lead (Bangkok), SERVIR Mekong and Senior Scientist, Spatial Informatics Group*

Peter is a conservation biologist and landscape ecologist who has worked in the US, throughout Southeast Asia, and Kenya. He has published a number of papers on tiger and other vertebrate distribution and conservation, rare species discoveries, ecosystem services, and the value of landscape conservation. As manager of WWF-Greater Mekong's regional Landscape Conservation Programme from 2011-2014, Peter coordinated the work of WWF and partners to focus complementary conservation action on 7 focal landscapes in Myanmar, Thailand, Laos, Cambodia, and Vietnam. He has worked with WWF and GIZ to develop knowledge platforms related to ecosystem services assessment and with the GMS Environmental Operations Center to support the development of its regional environmental knowledge hub. As Science and Data Co-lead for the SERVIR Mekong Project, Peter coordinates the efforts of a consortium of scientists engaged in building geospatial products, facilitating information sharing (through a regional geospatial information portal currently under development), and working with partners to ensure that critical geospatial information becomes part of policy making, planning, and other decision-making processes.

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Dr. Vittoria Elliott, *Molecular Ecologist, Conservation International; Technical Advisor, Inland Fisheries Research and Development Institute (IFReDI), Cambodia*

Dr. Vittoria Elliott is a molecular ecologist, working with Conservation International to integrate scientific outputs to natural resource management in the Mekong basin. Bringing together research outputs from various disciplines and translating them into management strategies, the aim of her research and its application is to identify strategies that mitigate threats to livelihoods and biodiversity and to develop sustainable exploitation that balances ecosystem service trade-offs. Vittoria is a technical advisor to the Inland Fisheries Research and Development Institute (IFReDI) of the Cambodian Government Fisheries Administration, helping to build scientific capacity and support the development of scientifically rigorous fisheries management in Cambodia.

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Dr. Tracy Farrell, *Regional Director, Greater Mekong Program, Conservation International, Cambodia*

Dr. Tracy A. Farrell is the Regional Director of the Greater Mekong Program for Conservation International. She has been leading CI's strategic development and partnerships to expand into the Greater Mekong from Cambodia, driving science to policy work related to water resource management, and overseeing the implementation of all of CI's programs in Cambodia. This work focuses on forest and watershed conservation following an ecosystem-based approach, and addressing key threats like climate change and illegal timber and wildlife trade, and helping to advise on more sustainable infrastructure development. She manages a team of 25 staff and a 1.2 million USD/year operating budget. Before this job, she spent seven years, also at CI, developing and leading cross-cutting initiatives in the areas of fresh water, ecosystem services, and wildlife trade. In this role, Farrell created research agendas, strategic directions, and business plans to refine CI's niche and partnership approach to address these as well as other emerging institutional priorities. She has published broadly across these and other areas in both peer reviewed and popular publications, and has enjoyed 10 additional years of experience aligning research and field activities to ensure solid program delivery, largely taking place in North, Central and South America. Before joining CI, Farrell served as Dean for the School for Field Studies and was also a Visiting Professor/Instructor for Virginia Tech's Department of Forestry, where she also completed her PhD in Natural Resource Management.

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Dr. John Felkner, *Assistant Professor, Department of Urban and Regional Planning, Florida State University, USA*

John is an Urban & Regional Planner and Geographer interested in the driving processes and economic and social implications of rapid global urbanization, with a particular focus on the socio-economic impacts of transportation investments and the socio-ecological resilience of peri-urban and rural populations in developing countries. He has published papers on the dynamics of rapid development and urbanization in Southeast Asia, implications for rice agriculture under IPCC SRES climate model predictions and using the DSSAT crop model, water sustainability in the lower Mekong basin, and modeling a soil moisture index using remote sensing data in a developing country context. Current research includes funding under the US National Science Foundation on water sustainability in the Lower Mekong region of Southeast Asia, livelihood strategies and spatial accessibility to markets and resources for rural households in Cambodia, rapid urbanization and implications of transport investments in East Africa under funding from The World Bank, and the socio-economic impacts of transportation improvements in Honduras, Republic of Georgia and Africa.

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Ms. Navy Hap, *Deputy Director, Inland Fisheries Research and Development Institute (IFReDI), Cambodia*

Hap Navy is the Deputy Director of Inland Fisheries Research and Development Institute (IFReDI), Fisheries Administration (FiA), Ministry of Agriculture Forestry and Fisheries (MAFF), Cambodia. I have a MSc. in Agriculture and Natural Resources Economics and Farm Management and a BSc. in Fisheries Economics. I have more than 20 years of experience on fisheries and Agriculture and have worked in a number of projects as socio-economist/resource economist, gender, livelihoods and food security analysis specialist. I also work as Freelance Consultant for Socio-Economics, Gender, Livelihood, Value Chain Analysis and Food Security specialist. I have conducted research related to value chain analysis of fisheries, cost and benefits analysis, social economic assessment, trade and Co-Management. I have several publications on impact of climate change on snakehead fish value chains in the Lower Mekong Basin of Cambodia and Vietnam; Value chain analysis of snakehead fish in the Lower Mekong Basin of Cambodia and Vietnam; Trans-boundary fish trade in the Lower Mekong Basin in Cambodia, Lao PDR and Thailand; Socioeconomics and values of resources in Great Lake Tonle Sap and Mekong-Bassac areas; Role of formal and informal credit in the fish marketing chain; Community participation and attitudes towards co-management.

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Ms. Kristyn N. M. Hara, *Ph.D. Candidate, Department of Anthropology, University of Chicago, USA*

Kristyn Hara is a Ph.D. candidate in the Department of Anthropology at the University of Chicago with a specialization in the archaeology of Cambodia. Her research interests center on human-environment dynamics within the context of forest histories and the long-term, interdependent linkages between localized resource management and cultural beliefs and practices in Cambodia and broader Southeast Asia. As a Fulbright Scholar, she has conducted extensive research at the ancient capital of Angkor, Cambodia as part of her dissertation project, which mobilizes archaeological and paleoethnobotanical data to examine the role of local communities and religio-political institutions in developing forms of forest use and management while also participating in broader processes of polity-building and urban development. Over the past two years, she has collaborated with interdisciplinary scholars to identify and explore issues relating to hydrological dynamics, climate change, and socioeconomic livelihoods in the Lower Mekong region.

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Dr. Donald Holtgrieve, *Instructor, University of Oregon, USA*

Don Holtgrieve earned his PhD degree in geography from the University of Oregon in 1973. He has taught geography, environmental studies and environmental planning at two California State University campuses and is currently teaching Environmental Impact Assessment, and Environmental Management courses at the University of Oregon. He also created two environmental planning consulting firms and supervised the preparation of over two hundred environmental impact reports, resource management plans, habitat restoration plans, and various other environmental planning documents for federal, state and local agencies. He also has planned environmentally sensitive land development projects in California and created three wildlife preserves for non-profit watershed restoration groups. He was also involved with volunteer aquatic husbandry and conservation at the Oregon Coast Aquarium and the Hatfield Marine Science Center in Newport, Oregon.

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Dr. Gordon Holtgrieve, *Assistant Professor, School of Aquatic and Fishery Sciences, University of Washington, USA*

Gordon W. Holtgrieve, is an ecosystem ecologist and fisheries scientist with over 15 years of experience in scientific research and education. He is currently an Assistant Professor in the School of Aquatic and Fishery Sciences at the University of Washington. The Holtgrieve Ecosystem Ecology Lab (HEEL) broadly seeks to understand: 1) Global analysis of status, trends, and human dependence on freshwater fisheries; 2) elucidating carbon pathways that support

freshwater food webs including allochthonous organic matter from surrounding terrestrial habitats and biogenic methane; 3) stable isotope techniques to trace natural and anthropogenic drivers of biogeochemical processes; 4) applying Bayesian statistical methods to biogeochemical data; 5) community-scale effects of indiscriminate fishing effort. Dr. Holtgrieve's research spans the Pacific Rim from the Puget Sound to Alaska to the Mekong River in SE Asia.

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Dr. Krishna Bahadur KC, *Research Scientist, Department of Geography, University of Guelph, Canada*

Krishna Bahadur KC is a Research Scientist in the Department of Geography, University of Guelph, Canada. Krishna is a Development Geographer who is widely published in the field of developmental geography, addressing issues like local and global environmental change, economics of land use and management practices. Krishna obtained his PhD from the University of Hohenheim, Germany on combining socioeconomic and spatial methodologies in rural resources and livelihood development. He joined the University of Guelph in 2012 as a Banting Fellow. Prior to joining Guelph University, between 2006 and 2010, he worked at the Department of Agricultural Economics and Social Sciences, University of Hohenheim, Germany as a Research Fellow. He also worked for a year in 2011 in the Centre for Southeast Asian studies, Kyoto University, Japan. Krishna holds a Master of Sciences in natural resources management from the Asian Institute of Technology (AIT), Thailand and Bachelor in Forestry Sciences from the Institute of Forestry, Tribhuvan University, Nepal. Current areas of research includes climate change and food security. Currently he is working on the socioeconomic perspective of fish and fishers in the face of changing environmental condition and fish governance in Tonle Sap, Cambodia. He is also working on the feeding nine billion project, particularly, he is researching strategies to boost global food production and reduce global food waste.

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Dr. Richard Keim, *Associate Professor, School of Renewable Natural Resources, Louisiana State University, USA*

I work on hydrology and management of forests and wetlands. My I have strong interests in large river – floodplain connectivity and its effects on floodplain ecosystems and water chemistry; and on feedbacks between hydrological and ecological processes. Most of my research has been focused in the alluvial valley and delta of the Mississippi River, but I have extensive experience in the field in the Mekong region teaching: For the past six years I have been teaching field wetland hydrology with a wetland consortium of lower Mekong

universities (the Wetland University Network (WUN); <http://wetlandnetwork.org/>), and am looking for opportunities to leverage those local contacts into research. My academic background is in Forestry and Hydrology; my PhD is from Oregon State University. I have been on the faculty at Louisiana State University since 2004.

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Dr. Eric Kemp-Benedict, *Director, Stockholm Environment Institute Asia Centre, Thailand*

Eric Kemp-Benedict is director of SEI's Asia Centre and co-lead of SEI's Initiative on the Water, Energy and Food Nexus. Before becoming Asia Centre Director, Dr. Kemp-Benedict was a senior scientist in SEI's U.S. Centre in Boston and leader of SEI's Rethinking Development Research theme. His research focuses on cross-disciplinary policy analysis for sustainable development strategies. He has contributed to studies on diverse topics of relevance to sustainability at national, regional, and global levels, including on water, livestock, and land use; energy use; rural livelihoods; and poverty and income distribution. He has developed and applied tools and methods for participatory and study-specific sustainability analyses. His current research focuses on the macroeconomics of a sustainability transition. Dr. Kemp-Benedict has a B.S. in physics from the University of Texas in Austin and a Ph.D. in theoretical physics from Boston University in 1997, as well as an MAT in secondary physics education.

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Dr. Kelly Kibler, *Assistant Professor, Water Resources Engineering, University of Central Florida, USA*

Kelly Kibler is an Assistant Professor in Water Resources Engineering at the University of Central Florida in Orlando, USA. Kelly researches ecohydraulics of river and estuarine systems, targeting her investigations at the intersection of engineering and ecology. She studies both natural hydrologic phenomena, as well as waterways that are modified for human benefit, for instance by dams, dredging, levies and hardened structures. Her research seeks water development pathways that minimize ecosystem damages and promote preservation or restoration of aquatic ecosystem services.

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Mr. Noah Kittner, *Ph.D. Student, Energy and Resources Group, University of California, Berkeley, USA*

Noah Kittner is a PhD student in the Energy and Resources Group at UC Berkeley working on alternative renewable energy options to coal and large-scale hydropower projects in Southeast Europe and the Lower Mekong Basin. His previous work has included developing a Solar PV Roadmap in Thailand commissioned by the Thai Ministry of Energy and electricity grid modeling in Kosovo. He has worked in Thailand on a number of projects for over six years including a Fulbright fellowship in Energy. Currently, Kittner is working with a team in the Renewable and Appropriate Energy Laboratory at UC Berkeley on conducting a solar, wind, biomass, and small-hydropower resource assessment in Laos as part of the Lower Mekong Public Policy Initiative. He is supported by the NSF-GRFP program and NSF-IGERT Systems Approach to Green Energy.

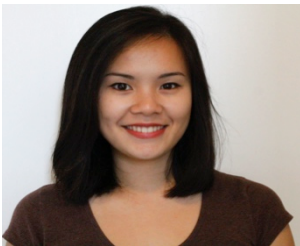
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Ms. Eugenia Kwok, *Master's Student, University of Guelph, Canada*

Eugenia Kwok is a first year master's student at the University of Guelph. She holds a bachelors degree in Applied Animal Biology at the University of British Columbia, where she largely focused on animal welfare and food security. Her master's research focuses on gender implications on fisher participation in conservation around the Tonle Sap Lake. In particular, her thesis aims to investigate the socio-economic factors that affect the participation of male and female fishers in fish conservation initiatives in the Tonle Sap region, and how these factors translate into barriers and incentives.

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Ms. Ornsaran Manuamorn, *Climate Change Coordinator for the Greater Mekong Subregion (GMS) Environment Operations Center (EOC), Asian Development Bank (ADB); Ph.D. Research Fellow, Graduate School of Governance, Maastricht University (UNU-MERIT), Netherlands*

Ornsaran Pomme Manuamorn is an international development professional with 11 years of experience in climate change, climate financing, natural capital, environmental governance, insurance and risk management, and agriculture and rural development. She is currently Climate Change Coordinator for the Greater Mekong Subregion (GMS) Environment Operations Center (EOC) at the Asian Development Bank (ADB), and concurrently a PhD. research fellow at the Graduate School of Governance, Maastricht University (UNU-MERIT) in the Netherlands. Her country work experience includes Thailand, Viet Nam, Cambodia, Lao PDR, Myanmar, China, Indonesia, India, Bangladesh, the Philippines, Tanzania, Samoa, and Australia. A Thai national, Pomme holds MPA in International Development from Princeton University, USA and M.Phil in International

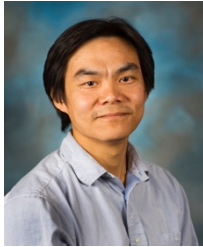
Relations from Cambridge University, England. Her ongoing PhD. research at Maastricht focuses on the multilevel governance of climate change adaptation in developing countries.

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Dr. Rachata Muneeppeerakul, *Associate Professor, Department of Agricultural and Biological Engineering, University of Florida, USA*

Dr. Muneeppeerakul has worked on a wide variety of problems, ranging from life to social sciences, from biodiversity patterns in river networks to dynamics of coupled natural-human systems. His primary investigative tools are mathematical and computational models. He is interested in dynamical models, complex networks, game theory, and stochastic processes. His diverse research interests are reflected in the projects in which he is involved and his publication record. In one project (NSF-CNH), he has been investigating how robust or vulnerable irrigation systems are with respect to rapid changes in disturbance regimes, both social and biophysical; he is expanding this line of research to coupled natural-human systems more generally. Another ongoing project (DoD-SERDP) addresses the biodiversity patterns of aquatic ecosystems in dryland streams whose challenging characteristics include pronounced hydrological seasonality and spatial heterogeneity. In another line of research, he and his colleagues apply complex network approaches to study structure of urban economies. Several other projects are under development, all of which share a common theme of inventing and blending concepts and analytical/computational techniques from different disciplines to achieve meaningful insights.

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Dr. Rebecca Neumann, *Assistant Professor, Department of Civil and Environmental Engineering, University of Washington*

Rebecca Neumann is an assistant professor in the department of Civil and Environmental Engineering at the University of Washington. Her research group seeks mechanistic and predictive understanding of hydrologic transport and biogeochemical reaction processes that impact water and food quality and influence global climate change. The Neumann research group is working to understand processes responsible for arsenic contamination of groundwater in South and Southeast Asia, developing solutions for reducing the use of arsenic-contaminated groundwater in rice agriculture in Bangladesh, and investigating the mobility, bioaccumulation and ecological toxicity of legacy arsenic contamination in urban lakes of the Puget Sound Lowland. At a smaller scale, the Neumann research group is working to understand how flow and biogeochemistry interact around the roots of plants, impacting arsenic uptake by rice roots, methane emissions by wetland plants, and mineralization of soil organic matter. She obtained

her Ph.D. from the Massachusetts Institute of Technology with a thesis project focused on understanding one of the major human health problems in Bangladesh: arsenic contaminated groundwater.

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Dr. Kien Van Nguyen, *Luc Hoffmann Research Institute (LHI), Australian International University, Australia*

Dr. Kien Van Nguyen is a Luc Hoffmann Research Institute (LHI) research fellow at the Australian National University. He involves in the navigating the nexus of food-water-energy. He leads the An Giang case study to investigate the impacts of rice intensification and dikes on social-economic, environment and food supply. Kien Van Nguyen took his PhD in sociology at the ANU in 2012 with the support of an Australian Leadership Award from the Australian government. His thesis was on ‘Social Capital, Livelihood Diversification, and Households’ Resilience to Floods in the Vietnamese Mekong River Delta. He is currently Director of the Research Centre for Rural Development, An Giang University, Mekong Delta, Vietnam, and a post-doctoral research fellow at the Fenner School of Environment and Society, ANU. Currently, Dr Kien is a principle investigator and co-investigator for several projects entitled “Recovering and valuing wetland agro-ecological systems and local knowledge for water security and community resilience in the Mekong region” funded by SUMERNET (Sustainable Mekong Research Network, under the support of SIDA, Sweden); and “Floodplain governance for future livelihoods in the Mekong Delta”. Kien is the Director of Research Center for Rural Development of An Giang University, Vietnam.

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Dr. Tho Nguyen, *Senior Research Program Officer (Computer Science Department) and Managing Director of the Center for Automata Processing, University of Virginia, USA*

Dr. Tho Nguyen is the Senior Research Program Officer for the Computer Science Department as well as Managing Director of the Center for Automata Processing at the University of Virginia. He is primarily responsible for program development and organizing major research initiatives in cyberinfrastructure and data analytics. Before joining UVa, Dr. Nguyen served as a AAAS Fellow appointed to the National Science Foundation where he worked on the Foundation's flagship Cyber-Physical Systems Program. Dr. Nguyen graduated from the University of Washington Electrical Engineering Program ('09) and has had over 10 years of experience

conducting research in the Mekong region. Dr. Nguyen's past work in the Mekong include monitoring, modeling, and control of large scale (environmental) systems and processes. Dr. Nguyen's current interests in the Mekong include cyberinfrastructure development to support the Mekong research knowledge base and data repository.

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Dr. Thanapon Piman, *Research Associate of University of Canterbury, New Zealand; Water and Climate Change Specialist, Mekong River Commission, Lao PDR*

He graduated doctoral degree in Water Engineering and Management at Asian Institute of Technology, Thailand in 2007. He was a post-doctoral fellow in water resources under the Department of Civil and Natural Resources Engineering, University of Canterbury from 2011-2012 under the “River at Risk” project. The main research topic is assessment of hydrological changes from water resources development and climate change in the Mekong River and its tributaries and supporting the assessment of consequently impacts on ecosystem in Tonle Sap, Cambodia. Presently, he is Water and Climate Change Specialist under Climate Change and Adaptation Initiative, Mekong River Commission (MRC), Lao PDR and Research Associate of University of Canterbury, New Zealand. His current work with the MRC focuses on climate change analysis and projections, basin-wide assessment of climate change impacts on water, water related resources and sectors (hydrology, flood, drought, ecosystem, food security, hydropower production and socio-economic) and developing database, monitoring and reporting systems on climate change and adaptation for supporting the Lower Mekong Countries in climate change adaptation planning. On another hand, his present work with University of Canterbury under the “Critical Basin at Risk” project is supporting the assessment of development and climate change impacts on sediment, nutrient transportation and ecosystem services in the Sekong, Sesan and Sepork (3S) river basins.



Dr. Thomas Pool, *Post-Doctoral Fellow, Freshwater Ecology and Conservation Lab, University of Washington, USA*

I am an aquatic ecologist interested in using a combination of experimental studies, field-based surveys, GIS tools, and trophic analysis to explore patterns of diversity and ecosystem functioning in both freshwater and marine environments. For the past few years my research has focused on studying freshwater fish species interactions and community dynamics within flood-pulse ecosystems. My fieldwork has included the Columbia, Colorado, Garonne and Mekong Rivers.

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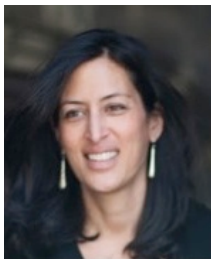
Dr. Timo Räsänen, *Postdoctoral Researcher, Aalto University, Finland*

I am a postdoctoral researcher at Aalto University, Finland. My general interests are in development and environmental change and my main research themes are hydrology, climate and water resources. I have done research on climate variability, climate change and hydropower development with focus on how they affect hydrological cycle and water resources and thus ecology and society. During past seven years large part of my researched has focused on Mekong River Basin and Southeast Asia, but I have also done research on global scale on forest loss. I often make use of systems thinking and philosophy in my work and I enjoy working in multi-disciplinary settings.

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Dr. Sabina Shaikh, *Lecturer, Program on Global Environment and Public Policy, University of Chicago, USA*

Dr. Sabina Shaikh is an Economics Lecturer in the Program on Global Environment and Public Policy Studies at the University of Chicago. She directs the Environment, Agriculture and Food (EAF) working group, in which she leads students on research related to urban environment and food policy issues. Her working group has recently contributed research to a new national certification for green restaurants and recommendations for improving sustainability in professional sports. Dr. Shaikh's scholarly research focuses on how economics can be used to value the environment and natural resources and to develop market-based instruments and incentives for the provision of ecosystem services. She is also currently working on a project funded by the National Science Foundation measuring the impact of climate change on water sustainability, agricultural productivity and food security in the Mekong River Region of Cambodia. Dr. Shaikh has published in scholarly journals including *American Journal of Agricultural Economics*, *Ecological Economics*, *Economic Inquiry*, *Environmental Practice* and *Land Economics*. She has recently contributed book chapters to *Natural Capital: Theory and Practice of Mapping Ecosystem Services* and the *Handbook of Metropolitan Sustainability* and is currently working on a chapter for the *Handbook on Sport, Sustainability and the Environment*. Dr. Shaikh holds a BA in Economics from the University of Wisconsin and a PhD in Agricultural and Resource Economics from the University of California at Davis.

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Dr. James H. Spencer, *Associate Dean of Research and Graduate Education, College of Architecture, Arts and Humanities; Founding Chair, Department of Planning, Development and Preservation; and Professor of City and Regional Planning, Clemson University; Adjunct Senior Fellow, The East West Center, USA*

Jim moved to Clemson following a 20-year career that has spanned the non-profit world, philanthropy and academics. Most recently he was an Associate Professor of Urban & Regional Planning, and of Political Science at the University of Hawaii, and has held staff positions at the Ford Foundation and non-profit organizations working on community development. His current research focuses on international urbanization and planning issues, with a particular focus on water supplies, infrastructure and inequality. The most relevant recent work is his service as Co-PI on an NSF Coupled Human-Natural Systems research grant to examine peri-urbanization and avian influenza in Viet Nam. In addition to his university work, Jim is an active practitioner on planning issues, having served on the State of Hawaii's Legislative Task Force for Sustainable Development, and provided technical support to the World Bank, the Urban Environment Planning Program in Viet Nam, the City of Compton, the Cities of Hue, Quy Nhon, and Ho Chi Minh City (Viet Nam), the Vietnamese and Cambodian Ministries of Construction, the Office of Hawaiian Affairs, and the State of Hawaii Department of Human Services, among others. He holds a B.A. from Amherst College, a Masters of Environmental Management from Yale University, and a PhD from UCLA in Urban Planning.

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Dr. Louise Teh, *Research Associate, Fisheries Economics Research Unit, Institute for the Oceans and Fisheries, University of British Columbia, Canada*

Louise Teh is a Research Associate with the Fisheries Economics Research Unit at the University of British Columbia Institute for the Oceans and Fisheries. Her research focuses on how interactions between humans and marine ecosystems impact fisheries sustainability. Her work covers global and local scales, ranging from global biodiversity assessments to socio-economic studies of small-scale fisheries. She is particularly interested in working with small-scale fishing communities in developing countries, and has been involved in marine conservation projects on valuing marine turtle conservation, marine protected area management, and climate change adaptation.

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Dr. Pham Dang Tri Van, *Associate Professor and Head of the Department of Water Resources, College of Environment and Natural Resources, Can Tho University, Vietnam*

With a wide range of scientific background, he focuses on integrated research with great attention to understanding water resources management, irrigation and hydrodynamics modelling and possible impacts of climate change on behaviours of the different river networks and agriculture and aquaculture in the Vietnamese Mekong Delta. VAN Pham Dang Tri is presently participating in different national and international projects as either a project manager or a technical advisor.

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Dr. Ariela Zycherman, *Science and Technology Policy Fellow, National Science Foundation, USA*

Dr. Zycherman is an American Association for the Advancement of Science (AAAS)- Science and Technology Policy Fellow at the National Science Foundation, in the Directorate for Engineering's Division of Chemical, Bioengineering, Environmental, and Transport Systems (CBET). A cultural and applied anthropologist, she specializes in the intersections of food, environment and economic systems. Specifically, her research looks at the effects of market oriented livelihood activities like cash cropping, logging, and ranching on the socio-cultural and dietary practices of indigenous peoples in the Bolivian Amazon.

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