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Guest Speakers

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Biographical Sketch: Noelle Gracy is currently the Director of Community Engagement, responsible for Elsevier's Academic Executive Advisory Boards, Library Advisory Boards, Scopus Content Selection Boards and their related local content selection boards. She is also responsible for developing the communication strategy of the marketing communications group. She spent several years as the regional marketing director for Northern Europe, where her team led more than 600 librarian and user trainings per year and developed events such as the UK Scopus Young Researcher Awards. She held publisher and executive publisher roles in the Elsevier journals publishing organization from 1999-2009. Dr. Gracy received her PhD in neuroscience from Cornell University Graduate School of Medical Sciences and completed her postdoctoral training at The Scripps Research Institute.

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Biographical Sketch: Simon Grimley is the regional representative for EURAXESS Links ASEAN, a network of European and international researchers, scientists, and scholars looking to strengthen research collaboration between Europe and Southeast Asia. Prior to joining the EURAXESS Links team, he was program director at Thailand's National Science and Technology Development Agency (NSTDA) where his responsibilities included the European Union's Seventh Framework for Research and Technological Development as well as bilateral programs with the United Kingdom, Germany, and France. He holds an MA from the School of Oriental and African Studies (SOAS), University of London, and a BA with honors from McGill University in Montreal. Before moving to Thailand, Simon had his own consultancy practice based in Singapore focused on North American technology start-ups seeking to expand into the Asian market. Services included the raising of venture funds, building sales and marketing teams, and market

expansion. From 2000 -2003 he was the Southeast Asia regional director for the Alberta Research Council (ARC), a contract R&D corporation headquartered in western Canada. His regional responsibilities included technology acquisition and development, generating a stream of revenues through the commercialization of ARC's intellectual property, and the selling of contract R&D services.

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Biographical Sketch: Nalaka Gunawardene is the co-founder and director of TVE Asia Pacific, a Colombo-based non-profit regional media foundation engaged in communicating sustainable development issues via TV, video and web. He has commissioned, scripted, produced or co-produced dozens of TV documentaries, talk shows and web videos. He has collaborated with many regional and global broadcasters including BBC World News, Swiss TV, Canadian CBC and Singapore's Channel News Asia. He holds journalism and mass communication qualifications from the University of Colombo and the Open University of Sri Lanka. At various times, he has been a reporter, feature writer, science editor, radio & TV host and a foreign correspondent. Since the mid-1990s, Nalaka has also worked as a communications consultant for international organizations such as UN-ESCAP, UNEP, UNDP, Asian Development Bank and IUCN – International Union for Conservation of Nature. He now writes weekly science and development columns for two Sunday newspapers, and is also an active blogger, op-ed essayist and journalist trainer. He has edited popular science books, written book chapters and produced many conference papers related to science communication, information society, public service broadcasting, and media development.

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Biographical Sketch: Christa Hasenkopf is the 2013-2014 American Institute of Physics State Department Fellow and is working in the

Office of Science & Technology at USAID. Prior to this position, she conducted postdoctoral research on air pollution in Ulaanbaatar, Mongolia through a Fulbright grant and an NSF International Research Fellowship. She also serves as the NSF-partner of a USAID-NSF PEER award to Prof. Sereeter Lodoysamba at the National University of Mongolia. In Ulaanbaatar, she led several outreach efforts, one of which was launching, in conjunction with colleagues at the National University of Mongolia, the first air quality instrument in Mongolia that shares data via social media. She received a PhD in atmospheric science from the University of Colorado. She also taught geometry in a Baltimore public school through Teach for America. Christa is interested in democratization of scientific data, capacity building, and programs that foster collaborations among scientists worldwide.

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Biographical Sketch: Dr. Jensen is an assistant professor at the Rutgers University Institute of Marine & Coastal Sciences in New Brunswick, N.J. His research focuses on the biological and fishery management factors that contribute to sustainability of marine and freshwater fisheries. Dr. Jensen has conducted field research on fisheries around the U.S. and has ongoing projects in Mexico and Mongolia. He has published more than 35 peer-reviewed studies in scientific journals. He obtained his PhD in 2007 from the University of Wisconsin – Madison and completed a postdoctoral fellowship at the University of Washington.

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Biographical Sketch: Luc Le Calvez has been the head of the ASEAN representative office of the CNRS (French National Center for Scientific Research) since August 2009. His experience

includes more than 15 years spent at connecting European and Asian biomedical and scientific communities, 7 based in Jakarta, 8 in Bangkok, and now 4 in Hanoi. He first joined the CNRS in 2007, serving first in its International Relations Office at the Headquarters in Paris as the Deputy-Director in charge of Asia-Pacific programs, then since mid-2009 back to Asia to head the ASEAN office. He was previously with bioMérieux. He was tasked with establishing its ASEAN distribution network. He had joined the GUERBET pharmaceutical company shortly after earning his MBA in the United States in 1992.

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Biographical Sketch: Ravi Murugesan is an associate at the International Network for the Availability of Scientific Publications (INASP), an international development charity in the UK dedicated to putting research knowledge at the heart of development. His responsibilities are mainly related to the AuthorAID project, which supports developing country researchers in publishing their work by conducting training programs on research writing and publishing, awarding travel and workshop grants, and maintaining a website (authoraid.info) with an online mentoring scheme, instructive blog posts, and e-resources. Ravi joined INASP in March 2011 after working as an authors' editor and teacher of scientific writing for researchers in East Asia. Since then, he has traveled to six of INASP's partner countries in Africa and South Asia to conduct workshops on research writing or for capacity building in this area. Over the past year much of his work has been in e-learning, which he initiated at INASP. He has developed online courses on research writing and proposal writing and taught these courses to more than 160 researchers from 30 developing countries. Through his work and membership in science editing associations – the European Association of Science Editors (and in particular their Gender Policy Committee), the World Association of Medical Editors, and the Board of Editors in the Life Sciences – Ravi seeks to make researchers aware of guidelines, ethics, and best practices for communicating their work.

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Biographical Sketch: Ramona Angelescu Naqvi is a senior political scientist and director of program management at the Global Development Network. She has general supervision of the organization's research capacity building program under the President's leadership. She currently leads several global and interregional research projects at GDN and is the Team Lead for the interdisciplinary Global Research Competition. Ramona also manages the relationships with GDN's Regional Network Partners and a host of bilateral and

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Biographical Sketch: Richard Primack is a professor of biology at Boston University with research interests in plant ecology, conservation biology, climate change biology, and tropical rain forests. He has carried out extensive fieldwork in Southeast Asia, Central America and New Zealand. A special focus has been patterns of the tree diversity and the impacts of logging on the forests of Malaysian Borneo. For the past 12 years, he has led an investigation on the effects of a warming climate on the ecology of plants and birds in Massachusetts, with an emphasis on following up the observations of the famous environmental writer Henry David Thoreau made 160 years ago in Concord, Mass. He has served as the president of the Association for Tropical Biology and Conservation, and is an honorary fellow of that society. He is currently serving as the editor-in-chief of the international journal *Biological Conservation*.

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Biographical Sketch: Geraldine (Geri) Richmond is a Presidential Chair and professor of chemistry at the University of Oregon. Her research using laser spectroscopy and computational methods focuses on understanding the chemistry and physics that occurs at complex interfaces that have relevance to important problems in energy production, environmental remediation and atmospheric chemistry. More than 190

publications have resulted from this work. She is a member of the National Academy of Sciences, the American Academy of Arts and is a Fellow of the American Chemical Society (ACS), the American Physical Society (APS) and the Association for Women in Science. Awards for her scientific accomplishments include the ACS Olin-Garvan Medal (1996), the Spiers Medal of the Royal Society of Chemistry (2004), the ACS Joel H. Hildebrand Award in Theoretical and Experimental Studies of Liquids (2011) and the APS Davisson-Germer Prize (2013). She is the co-founder and chair of COACH, a grass-roots organization that has helped in the career advancement of thousands of women scientists and engineers in the U.S., Asia, Africa and Latin America. Awards for these efforts include the Presidential Award for Excellence in Science and Engineering Mentoring (1997), the ACS Award for Encouraging Women in the Chemical Sciences (2005), the Council on Chemical Research Diversity Award (2006) and the ACS Charles L. Parsons Award (2013). Richmond has served on numerous national and international advisory and editorial boards. She is currently serving as a Presidential appointee to the U.S. National Science Board.

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Biographical Sketch: Bernard Slippers is a professor in genetics at the University of Pretoria. He is a research leader of the Tree Protection Co-operative Programme and DST-NRF Centre of Excellence in Tree Health Biotechnology at the Forestry and Agricultural Biotechnology Institute (FABI). His research focus is on applied ecological and evolutionary genetics of insects and micro-organisms that affect tree health, including biological control systems. Bernard has published widely on these topics and has been recognized through a number of national and international awards. Bernard is a Young Affiliate of the Academy of Science of the Developing World (TWAS) and immediate past Co-Chair of the Global Young Academy.

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Biographical Sketch: Mary Thomas is a program officer in global health, discovery & translational sciences at the Bill & Melinda Gates Foundation. Mary is focused on the foundation's efforts to reduce the incidence of low birth weight, early stunting and wasting in children, and prevent undernutrition in women of reproductive age living in developing countries. She also works on the Grand Challenges family of grant programs, which includes developing and managing early-stage discovery investments in the Grand Challenges Explorations program and launching programs that enable grantees to accelerate their ideas and inventions into sustainable solutions for the world's poorest population. Prior to joining the foundation in 2012, Mary spent two years as an American Association for the Advancement of Science (AAAS) fellow at the National Cancer Institute where she contributed to efforts in developing evidence-based policies and strategies in support of the National Cancer Program and in serving as a liaison with the Technology Transfer Center to communicate policies and potential partnering opportunities with external organizations. She also worked at the NIH Office of Autism Research Coordination, where her analysis of the Autism Spectrum Disorder research portfolio was included in a report issued by a high-profile federal advisory committee. Mary holds a PhD in Biochemistry from the University of Illinois and has published numerous articles in gene regulation & molecular mechanisms related to cancer. Mary was a Howard Hughes Postdoctoral Research Fellow at St. Jude Children's Research Hospital and a Christine Mirzayan Science & Technology Policy Fellow at the National Academies.

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Biographical Sketch: Masahito Yano is the Senior Program Coordinator for the Japan Science & Technology (JST) Agency's office in Singapore. He is also the regional coordinator of the SATREPS (Science and Technology Research Partnership for Sustainable Development) program, a joint project with JST and the Japan International Co-operation Agency which deals with Japanese ODA (Official Development

Assistance) for developing countries. He received his master's degree in environmental education from Southern Oregon State University. His major is biology and chemistry, specializing in environmental destruction caused by anthropogenic activities. In January 1996, he started his professional career as a technical journalist/marketing researcher in New York and started working at the JST Singapore Office in April 2010. He has joined a variety of international conferences and project meetings held in Southeast and South Asian regions. He is assisting researchers and helping them to maintain SATREPS projects, and he is working on building up international networking among institutes, universities, governments, and private companies for future collaborations.

PIs, Co-PIs, or Representatives

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Biographical Sketch: Maria Carmen Ablan-Lagman is an associate professor in the biology department of De La Salle University. She is also a member of the Centre for Natural Science and Environment Research (CENSER). She started her career working on the physiology and genetics of giant clams for her MSc and genetic connectivity and adaptation of reef fish for her PhD at the University of the Philippines while working with experts and at laboratories in Australia, Japan, the U.S., Thailand and Malaysia. She had held research positions at the UP Marine Science Institute and the International Centre for Living Aquatic Resources Management in Manila and the WorldFish Center in Malaysia before moving to De La Salle University in 2007. Her interests are in the study of genetic diversity and population structure of marine organisms and their implications to the management of reefs and associated fisheries in both the Philippines and across the Asia and Pacific region since 1997 as either project lead or as a co-proponent to a project. She has also been involved in genetic characterization, parentage analysis and breeding studies of giant clams and Tilapia. In 2011-12 she began to work with characterization of populations using markers developed from genomes and transcriptomes with the NSF-PEER funded PhilFishConnect project. Her work has increasingly moved towards studying the genetics of adaptation. She continues to work the challenges and directions of using very fine scale genomics and transcriptomics approaches to study patterns and processes in mega-diverse coral reefs threatened by climate change, pollution and sedimentation.

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Biographical Sketch: Dr. Syed Humayun Akhter is a professor of

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Biographical Sketch: Rohani Ambo Rappe Lahiya is a lecturer at Hasanuddin University, in the department of marine sciences. She received her PhD in marine science from the University of Newcastle, Australia in 2008. Her research focus is on seagrass ecosystems and how they are affected by global climate change. She has mapped seagrass around Spermonde Archipelago, South Sulawesi, Indonesia; assessed the condition of the seagrasses and associated fauna and also conducted research on possibilities of the seagrass plant and associated fauna to be used as a biomarker and bioindicator in the assessment of marine health condition; and assessed the capacity of seagrass as a feeding ground for green sea turtle (*Chelonia mydas*). Her recent research has focused more on seagrass restoration, how to provide enough seedling and transplant of seagrass for mass restoration activity and conducting assessment of suitability of habitat for seagrass restoration sites.

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Biographical Sketch: Gusti Z. Anshari chairs the Center for Wetlands People and Biodiversity (CWPB), and is the department head of postgraduate studies on environment at Tanjungpura University. He received his PhD from Monash University, Australia in 2000, his master's degree in environmental studies from Dalhousie University, Canada in 1995, and his BA in agriculture from Tanjungpura University in 1987. His research activities center on wetland changes and sustainability of wetland uses. He has taught wetland ecology, specializing in tropical peats, since 2000. He is part of the Peatland Working Group in Roundtable Sustainable Palm Oil (RSPO), and currently is lead author on a supplement to the *2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands*, which will be published in early 2014.

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Biographical Sketch: Anchalee Aowphol is a lecturer in zoology at Kasetsart University in Bangkok. She received her PhD from Chulalongkorn University in 2008. She has published the study "The Reproductive Patterns of Captive Male and Female Monocled Cobra" in the journal *Zoological Studies*. She also published the article "Genetic Homogeneity among Colonies of the White-nest Swiftlet (*Aerodramus fuciphagus*) in Thailand" in the journal *Zoological Science*, and the article "Foraging Ecology of the Tokay Gecko (*Gekko gekko*) in the Residential Area in Thailand" for the journal *Amphibia-Reptilia*. She received her master's degree in 2003 and her bachelor's degree in 1999, all from Chulalongkorn University.

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Biographical Sketch: Dr. Kent E. Carpenter is a professor of biological sciences at Old Dominion University. He earned his PhD in zoology from the University of Hawaii and his BS in marine biology from Florida Institute of Technology primarily. He is interested in marine conservation biology, the systematics and evolution of marine fishes, and marine biogeography. His research in marine conservation biology centers on the assessment of extinction risk using the International Union for Conservation of Nature Red List Criteria. His marine biogeographic interests concentrate on the origins of biodiversity in the Indo-West Pacific, with a special interest in the Philippines and the wider Coral Triangle. This has led to studies in comparative marine phylogeography and an NSF-funded Partnerships for International Research and Education project.

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Ashish Rao Ghorpade is a senior manager for the South Asia division of the International Council for Local Environmental Initiatives (ICLEI).

He serves as coordinator of urban ecomobility and green buildings-related initiatives. He previously was the project manager for Asian Cities Adapt and the project “Integrating urban climate guidelines through clean technologies (RE & EE) at the state and city level to build sustainable low carbon cities.” He managed the Urban Climate Project funded by the U.S. State Department through the Asia Pacific Partnership. Previously, he was a program manager and project manager with Infrastructure Professionals Enterprise Pvt Ltd. There, he managed the Bhutan National Urbanization Strategy and Thimphu City Development Plan in Bhutan to support the Royal Government’s vision of fostering a balanced and well-governed system of local governments, and developing a strategy for national urban development.

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surveillance of new pathogens among rodents, carnivores and bats. He received his doctorate in veterinary medicine and his master's degree from Bangladesh Agricultural University, Mymensingh. He previously received his master's in public health from American International University of Bangladesh. Dr. Islam has identified *Salmonella* Virchow among *Pteropus giganteus* fruit bats which had previously never been reported. He presented findings at the 61st American Society of Tropical Medicine and Hygiene Annual Meeting and at the 2012 International Conference on Emerging Infectious Disease.

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degree in wildlife sciences from the Wildlife Institute of India, he was commissioned by the Indian Academy of Sciences to write a book on peninsular Indian butterflies. Before receiving his bachelor's degree in botany from the University of Pune, he spent a year in the Mudumalai Wildlife Sanctuary in southern India studying large mammals.

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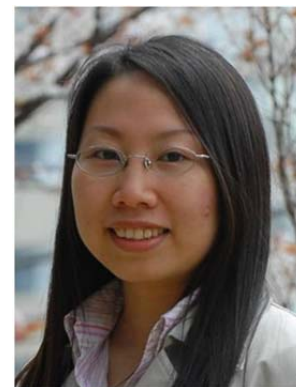
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Bank on projects relating to particulate matter pollution in Ulaanbaatar. Currently, Prof. Lodoysamba is the PI for the PEER project “Determining Sources and Health Impacts of Particulate Matter in Ulaanbaatar City to Aid and Assess Current Air Pollution Mitigation Efforts” at the National University of Mongolia. Prof. Lodoysamba and colleagues have recently launched the first air quality instrument in Mongolia that shares important air quality data via social media to the public.

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implement problem-based learning (PBL) in the classroom after he attended a PBL workshop given by the late Prof. Don Woods of McMaster University in 2000. Since then, he has conducted workshops on PBL in several Indonesian universities. USAID is now sponsoring Dr. Mulia and his co-PI, Dr. Elsa Krisanti, to facilitate more Indonesian STEM educators to implement PBL through a PBL PEER project. Besides working on PBL, he is also doing research on extraction of bioactive compounds from plants and on controlled release of these compounds from chitosan macroparticles.

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Biographical Sketch: Made Pharmawati received her PhD in plant biology in 2006. Her field of study was in plant diversity using DNA markers. As a lecturer at Udayana University, Bali, she has taught several courses related to plant genetics and molecular biology. She supervises undergraduate and postgraduate students in the field of plant genetics. She has also done research related to plant genetics diversity and breeding. She has done studies on the modification of garden balsam (*Impatiens balsamina L*) by caffeine; the development of fingerprinting key of salak bali cultivars; mutagenesis of *Capsicum annum* using EMS; DNA fingerprinting of endemic plants in the Batukahu reserve area; and genetic diversity of seagrass in South Bali coastal areas. She has published in the *Annals of Botany*, *Theoretical and Applied Genetics* and the *Hayati Journal of Biosciences*. She received her MSc at Deakin University in Australia in 1999, and her BSc at Bogor Agricultural University in 1992.

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Biographical Sketch: For more than a decade, Surata has been working with regional communities to implement environmental education and agricultural outcomes and to enact change. His research has shown that the key to sustainable and ethical uptake of research outcomes in education and agricultural ecology is to simultaneously harness community capacity via a new model of community development, while at the same time instigating a strategic whole-of-life education approach through teacher training programs which not only educate the adult teachers-to-be, but also influence the leaders of the future. In addition to his research record with national competitive grants, he has added considerable value to, and impacted strongly on, international partnerships and research in the U.S. and Australia. This includes work with Professor Stephen Lansing (University of Arizona), Professor Ian Falk (Charles Darwin University) and with Kevin Thompson (University of Florida). In recent years Surata has refined the focus of his research and application in rice fields and Subak to account for the importance he found of multi- and cross-disciplinary research in achieving sustainable uptake of research outcomes. Since 2008 he has conducted action research with his classes in the Mahasaraswati Denpasar University, where he is in charge of teacher training. This is designed to increase students’ environmental awareness and strategies for sustainable education based on Subak as a model.

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increase the risk of Parkinson's disease by inhibiting neuronal dopamine metabolism. This past summer, Dr. Fitzmaurice led a volunteer group in Dandora and Kibera, Kenya, where he previously worked with an optometrist to set up an eye treatment clinic. Outside work, he has also run fourteen marathons with various health-related philanthropies including Team Parkinson, Autism Speaks, and Team to End AIDS. He has advocated for science funding, biomedical research, and healthcare policy on Capitol Hill and has served as an Assistant State Director with the Parkinson's Action Network.

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