APRU

2022

STUDENT GLOBAL CLIMATE CHANGE SIMULATION

PROGRAM

ASSOCIATION OF PACIFIC RIM UNIVERSITIES

A Network With Impact

As a network of leading universities linking the Americas, Asia, and Australasia, APRU (the Association of Pacific Rim Universities) brings together thought leaders, researchers, and policy-makers to exchange ideas and collaborate on practical solutions to the challenges of the 21st century.

We leverage our members' collective education and research capabilities into the international public policy process. In the post-pandemic era, our strategic priorities focus on:

1. providing a neutral platform for high-level policy dialogue,
2. taking action on climate change, and
3. supporting diversity, inclusion, and minorities.

APRU's primary activities support these strategic priorities, focusing on critical areas such as disaster risk reduction, women in leadership, indigenous knowledge, virtual student exchange, e-sports, population aging, global health, sustainable cities, artificial intelligence, waste management, and more.

Global Health Program

The APRU Global Health Program aims to leverage the global health education and research of Asia-Pacific universities to address global health issues through interaction with public policy and media.

Since its launch in 2007-2008, the program has covered a significant range of topics including emerging public health threats, aging and chronic diseases, infectious diseases and health security issues.

It has recently engaged academics, policy leaders, media specialists and communities on non-communicable diseases and on global health issues on campus. The program is hosted by the USC Institute on Inequalities in Global Health and has a core group coordinating the program.

Sustainable Cities and Landscapes Program and Research Hub

The University of Oregon, an international leader in sustainable urban design and landscape planning through its renowned Sustainable Cities Initiative and its Department of Landscape Architecture, is hosting the APRU Sustainable Cities and Landscapes Program and Research Hub. The Sustainable Cities and Landscapes Program exists under the umbrella of the Association of Pacific Rim Universities, a network of leading research universities from around the Pacific Rim. The Program and Hub works within the framework of the Voice of Knowledge and Innovation for the Asia-Pacific region and aims to engage with cross-disciplinary experts, government officials and non-governmental organizations to consider cities in the context of their many landscape interdependencies, including services, networks and systems within and beyond the urban periphery. It will harness the breadth of experiences and socio-ecological contexts across the Pacific Rim to compare existing practices and models of city-landscape interactions, and to initiate solutions and policy interventions to make entire city-landscape complexes more sustainable.

STUDENT GLOBAL CLIMATE CHANGE SIMULATION

The APRU Student Global Climate Change Simulation is a role-playing exercise in which students will form multi-country, multi-disciplinary teams to play the role of delegates to the UN Climate Change Negotiations.

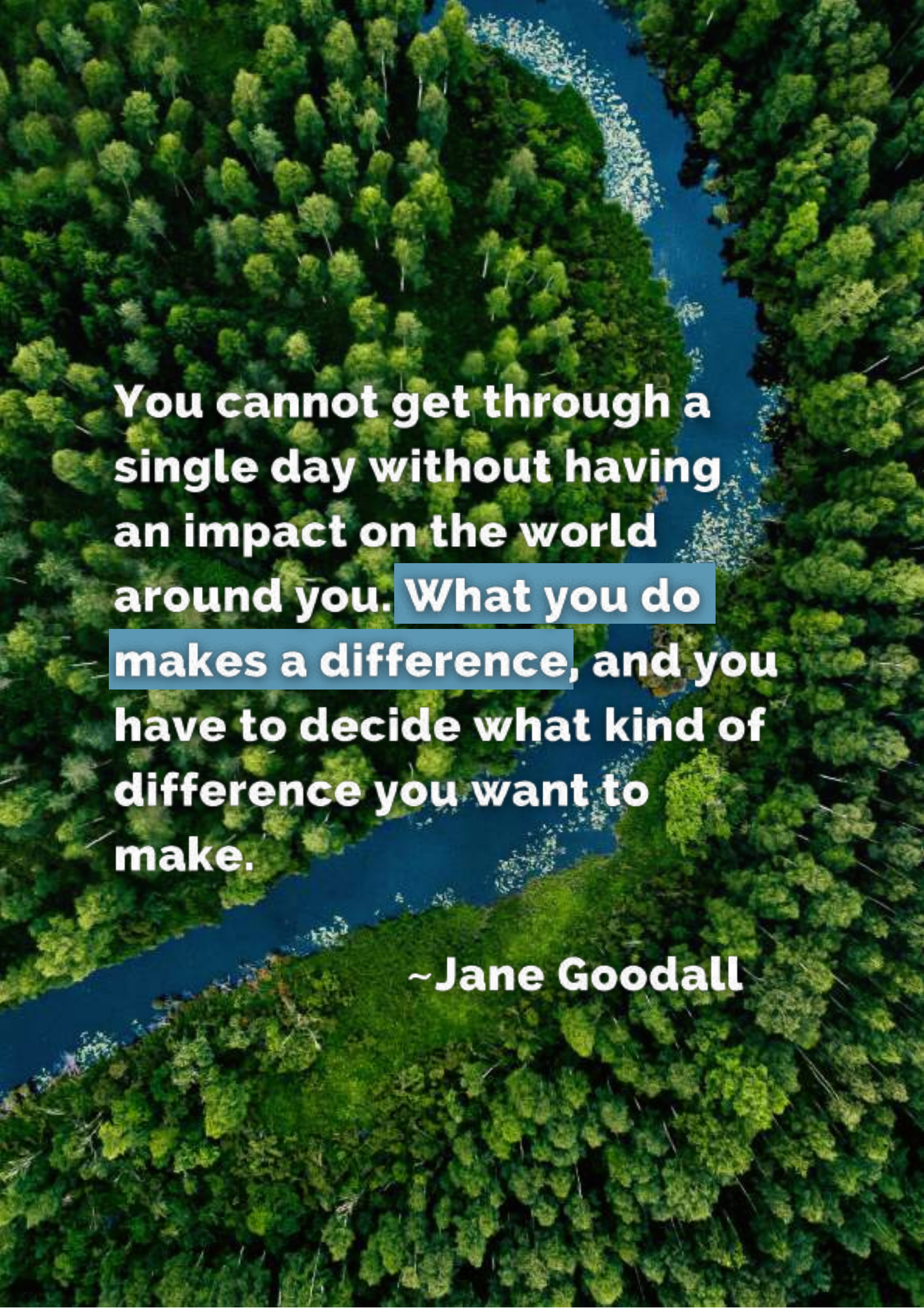
Over three sessions, we will hold an online simulation activity using materials from the World Climate Interactive and the C-ROADS simulation model developed by MIT. These live sessions will be supplemented with short lectures and other materials developed and curated by the APRU experts, which will be available on a shared Canvas website. To learn more, visit the World Climate Simulation.

Students will be assigned to international teams (students from various universities). Teams will be assigned one of six (6) countries/regions. Over three (3) rounds of discussions and negotiations, teams will participate in breakout rooms facilitated by international experts in climate science. In addition, teams will hear perspectives from experts on topics such as indigenous knowledge, planetary health, public health, coastal habitats, deforestation, clean energy, trading and offsets, and diplomacy and negotiation skills.

Teams will discuss the human and environmental effects of climate change, as well as the economic impact that countries/regions consider in determining their position and global commitments.

The APRU Student Global Climate Change Simulation is co-organized by APRU Sustainable Cities and Landscapes Program housed at University of Oregon and APRU Global Health Program housed at University of Southern California.

Partner universities include Fiji National University, Korea University, Nanyang Technological University, National Taiwan University, National University of Singapore, Peking University, The Chinese University of Hong Kong, The Hong Kong University of Science and Technology, The University of Auckland, The University of Melbourne, The University of Sydney, Tohoku University, Universidad de los Andes, Universidad San Francisco de Quito, Universiti Malaya, University of Oregon, University of Southern California and University of Washington.


You cannot get through a single day without having an impact on the world around you. What you do makes a difference, and you have to decide what kind of difference you want to make.
~Jane Goodall

OPENING CEREMONY (DAY 0) MAY 31

SCHEDULE
PACIFIC TIME

6:00 - 6:10pm	Welcome by Mellissa Withers (USC) and Eleanor Vandegrift (University of Oregon)
6:10 - 6:15pm	Christopher Tremewan (APRU)
6:15 - 6:25pm	Michael Schill (University of Oregon)
6:25 - 6:45pm	Bernhard Barth (UN Habitat)
6:45 - 7:05pm	Ebru Gencoglu (Adidas)
7:05 - 7:20pm	Q&A
7:20 - 7:30pm	"Simulation 101" by Eleanor Vandegrift & Dennis Galvan (University of Oregon)
7:30 - 7:50pm	"The Simulation Worksheet Components" by Kristie Ebi (University of Washington)
7:50 - 8:00pm	Wrap up
8:00 - 8:30pm	Team meetings in breakout rooms (move to green, orange and blue room) and make plans to meet to complete Day 1 homework and preparation

DAY 1 JUNE 14

6:00 - 6:05pm	Welcome by Eleanor Vandegrift (University of Oregon)
6:05 - 6:30pm	Rhys Jones (University of Auckland)
6:30 - 6:55pm	Ralph Chami (Rebalance Earth/IMF)

Move to green/blue/orange rooms

7:00 - 7:20pm	Each delegation gives an oral "position report" of about 2.5 minutes with proposed commitments
7:20 - 7:40pm	1st round of pledges and discussion/short lecture
7:40 - 7:55pm	Closed meetings for each delegation with one expert facilitator
7:55 - 8:25pm	Negotiations with other delegations—each team can send delegates to other rooms to negotiate
8:25 - 8:30pm	Wrap up Day 1 and make plans to complete Day 2 homework and preparations

DAY 2 JUNE 28

6:00 - 6:05pm	Welcome
6:05 - 6:25pm	Review 2nd round of pledges Discussion of implications
6:25 - 7:15pm	Special Topic Discussions with experts. Each team can send 1-3 reps to each room **Clean Tech Industry* **Trading and Offsets* **Oceans* **Forests/Biodiversity*
7:15 - 7:30pm	Back to country rooms for closed delegation sessions. Final discussions and pledges.
7:30 - 7:45pm	Discussion of results of 3rd round of pledges
7:45 - 8:25pm	Debrief and reflections
8:25 - 8:30pm	Wrap up

SCHEDULE
HONG KONG TIME

OPENING CEREMONY (DAY 0) JUNE 1

9:00 - 9:10am	Welcome by Mellissa Withers (USC) and Eleanor Vandegrift (University of Oregon)
9:10 - 9:15am	Christopher Tremewan (APRU)
9:15 - 9:25am	Michael Schill (University of Oregon)
9:25 - 9:45am	Bernhard Barth (UN Habitat)
9:45 - 10:05am	Ebru Gencoglu (Adidas)
10:05 - 10:20am	Q&A
10:20 - 10:30am	"Simulation 101" by Eleanor Vandegrift & Dennis Galvan (University of Oregon)
10:30 - 10:50am	"The Simulation Worksheet Components" by Kristie Ebi (University of Washington)
10:50 - 11:00am	Wrap up
11:00 - 11:30am	Team meetings in breakout rooms (move to green, orange and blue room) and make plans to meet to complete Day 1 homework and preparation

DAY 1 JUNE 15

9:00 - 9:05am	Welcome by Eleanor Vandegrift (University of Oregon)
9:05 - 9:30am	Rhys Jones (University of Auckland)
9:30 - 9:55am	Ralph Chami (Rebalance Earth/IMF)

Move to green/blue/orange rooms

10:00 - 10:20am	Each delegation gives an oral "position report" of about 2.5 minutes with proposed commitments
10:20 - 10:40am	1st round of pledges and discussion/short lecture
10:40 - 10:55am	Closed meetings for each delegation with one expert facilitator
10:55 - 11:25am	Negotiations with other delegations—each team can send delegates to other rooms to negotiate
11:25 - 11:30am	Wrap up Day 1 and make plans to complete Day 2 homework and preparations

DAY 2 JUNE 29

9:00 - 9:05am	Welcome
9:05 - 9:25am	Review 2nd round of pledges Discussion of implications
9:25 - 10:15am	Special Topic Discussions with experts. Each team can send 1-3 reps to each room **Clean Tech Industry* **Trading and Offsets* **Oceans* **Forests/Biodiversity*
10:15 - 10:30am	Back to country rooms for closed delegation sessions. Final discussions and pledges.
10:30 - 10:45am	Discussion of results of 3rd round of pledges
10:45 - 11:25am	Debrief and reflections
11:25 - 11:30am	Wrap up

Universities and Partners

USC University of Southern California

APRU

University of Oregon

FNU Fiji National University

Korea University

Nanyang Technological University Singapore

National Taiwan University

NUS National University of Singapore

Peking University

香港中文大學 The Chinese University of Hong Kong

香港科技大學 The Hong Kong University of Science and Technology

The University of Auckland New Zealand

The University of Melbourne

The University of Sydney

Tohoku University

Universidad de los Andes Colombia

Universidad San Francisco de Quito

University of Malaya

University of Washington

Smart Energy Connect powered by CLP

UN-Habitat

adidas

Rebalance Earth

Opening Ceremony
SPEAKERS

Mellissa Withers

Dr. Mellissa Withers is Associate Professor at the Keck School of Medicine in the Department of Preventive Medicine. She is based at the USC Institute on Inequalities in Global Health. She is also the director of the Global Health Program of the Association of Pacific Rim Universities. She received a PhD from the Department of Community Health Sciences at the UCLA Fielding School of Public Health with a minor in cultural anthropology. She also earned a Master's in International Health from the Johns Hopkins Bloomberg School of Public Health and a BA in international development from UC Berkeley. Her research interests lie in community participatory research, mental health, gender-based violence, immigrant health, and global sexual and reproductive health. Dr Withers is the editor of two books: Global Perspectives on Sexual and Reproductive Health Across the Lifecourse, and Global Health Leadership: Case Studies from the Asia-Pacific. She has also published more than 50 scientific articles and serves on the editorial boards of six international global health journals. She also writes a blog on human trafficking titled Modern-Day Slavery for Psychology Today.

Eleanor Vandegrift

Eleanor "Elly" Vandegrift is the Program Director for Global Science Education Initiatives and Senior Instructor II in the Global Studies Institute part of the Division of Global Engagement at the University of Oregon. Trained as an ecologist, she has taught biology courses and led science education professional development, for which she has received several teaching awards. With global partners she develops and facilitates customized STEM education programs for faculty and student experiences and internships. Elly graduated from Earlham College and completed her graduate work at Oregon State University.

Christopher Tremewan

Dr. Christopher Tremewan was elected as APRU's 4th Secretary General and took up the role from June 2011.Before heading the APRU International Secretariat, he was the Vice-President/Pro Vice-Chancellor (International) of the University of Auckland, New Zealand. He holds bachelor's and master's degrees in social anthropology from the University of Auckland, a master's degree in Public Administration from Harvard University, and a Ph.D. in political science (on Southeast Asian politics) from the University of Canterbury. He was elected a senior associate member of St. Antony's College, Oxford University, in September 1991 from where he published the book The Political Economy of Social Control in Singapore (Macmillan and St Martin's Press, 1994, reprinted 1996). He was a visiting fellow at Georgetown University in Washington, D.C. in 2003 and a visiting professor at Peking University in 2007 – 2008. In 1995 he became the founding director of the New Zealand Asia Institute, which he led until 1999. Previously, he held positions as a senior consultant, executive secretary, and research director for international development organizations based in Hong Kong, Singapore, and Tokyo. A specialist on social regulation in Southeast Asia, his research has recently focused on the internationalization of higher education.

Michael H. Schill

Michael H. Schill is the 18th president of the University of Oregon. He also holds a tenured faculty appointment in the UO law school. As president, he has launched a series of initiatives to advance the university's priorities of enhancing academic and research excellence, supporting student access and success, and improving campus experience and diversity. In 2016, he announced the launch of the Phil and Penny Knight Campus for Accelerating Scientific Discovery, a billion-dollar initiative to transform innovation at the UO which officially opened in 2020. Prior to coming to the UO, Schill was the dean of the University of Chicago Law School. He also served as dean of the University of California, Los Angeles School of Law, and was a law professor at both New York University and the University of Pennsylvania. Schill graduated from Princeton with a degree in public policy and earned his JD from the Yale Law School.

Bernhard Barth

Bernhard Barth is Human Settlements Officer at UN-Habitat's Regional Office for Asia and the Pacific, based in Fukuoka Japan where he oversees the country programmes in the Philippines, Lao PDR, and in six Pacific Island Countries. He also oversees UN-Habitat's Cities and Climate Change Initiative across the Asia and Pacific Region and is the focal point for urban planning and design, gender and capacity development. Prior to joining the Regional Office he worked for six years in UN-Habitat's headquarters in Nairobi, Kenya in different functions: supporting local government training initiatives and training tool development, supporting the global Cities and Climate Change Initiative and coordinating UN-Habitat's Partner University Initiative. Before joining UN-Habitat, Bernhard worked for UN ESCAP and for various NGOs in the UK, Papua New Guinea, Madagascar and Germany on a broad range of governance, rights and development issues. Bernhard holds Master's degrees in Economics and in Environmental Policy.

Ebru Gencoglu

Ebru Gencoglu is Senior Director Sustainable Sourcing for adidas. She leads the environmental program, which is an essential part of the adidas sustainability strategy, and covers decarbonization, waste, water, chemical and wastewater management in the supply chain. She manages a team of over 30 sustainability experts located in 7 countries.

Ebru has more than 25 years of international experience in the apparel industry, specializing in materials and sourcing, and over 12 years of experience leading global sustainability initiatives. She has successfully developed and executed strategies for sustainable materials adoption in complex supply chains, including for product traceability. She holds a Bachelor's degree in Textile Engineering, and a Master's degree in Contemporary Management. She is currently based in Taiwan.

Dennis Galvan

Dr. Dennis Galvan is Dean and Vice Provost for the Division of Global Engagement, Vice Provost for Strategic Initiatives, and Professor of Political Science and Global Studies at the University of Oregon. A political scientist by training, Dr. Galvan has conducted extensive fieldwork in rural Senegal and in Indonesia, and his research focuses on how ordinary people implement creative tactics to dismantle and reorganize institutions designed to promote development. This experience influences his work as a university administrator, as he implements the lessons learned about everyday institutional creativity from his field work. Dr. Galvan works with colleagues to carefully and creatively improve university structures to make higher education more resilient and able to respond with agility to changing circumstances. Dr. Galvan received his Ph.D. from U.C. Berkeley and his A.B from Stanford University.

Kristie Ebi

Dr. Kristie L. Ebi has been conducting research and practice on the health risks of climate variability and change for 25 years. Her research focuses on understanding sources of vulnerability; estimating current and future health risks of climate change; designing adaptation policies and measures to reduce the risks of climate change in multi-stressor environments; and quantifying the health co-benefits of mitigation policies. She has worked with multiple countries in Africa, Central America, Europe, Asia, and the Pacific in assessing their vulnerability and implementing adaptation measures. She is a lead author for the human health chapter of the Intergovernmental Panel on Climate Change (IPCC) 6th assessment report, and was a lead author on the IPCC special report on warming of 1.5˚C, and the 4th US National Climate Assessment. She co-chairs the International Committee On New Integrated Climate Change Assessment Scenarios (ICONICS), facilitating development of climate change scenarios. Her scientific training includes an M.S. in toxicology and a Ph.D. and a Master of Public Health in epidemiology, and two years of postgraduate research at the London School of Hygiene and Tropical Medicine. She has edited four books on aspects of climate change and has more than 200 peer-reviewed publications.

Rhys Jones

Dr. Rhys Jones (Ngāti Kahungunu) is a Public Health Physician and Senior Lecturer in Māori Health at the University of Auckland, Aotearoa/New Zealand. His research addresses Indigenous health and health equity with a particular focus on environmental influences on Māori health and wellbeing. He is a passionate advocate for action on the social determinants of health, equity and Indigenous rights. Rhys was the founding Co-Convenor of OraTaiao: The New Zealand Climate and Health Council, a health professional organisation focusing on the health challenges of climate change and the health opportunities of climate action.

Ralph Chami

Dr. Ralph Chami is currently Assistant Director and Chief of Financial Policies Division in the Institute for Capacity Development at The International Monetary Fund. He developed the internal training curriculum for IMF economists as well as revamped the external training curriculum of member countries. Between 2009 and 2014, he oversaw the Regional Studies Division covering 32 countries in the Middle East and Central Asia Department, and Mission and Division Chief for Fragile states such as Egypt, Libya, Yemen, Sudan, South Sudan, and Somalia. He is the recipient of the 2014 IMF Operational Excellence Award for his field work on fragile states. His book "Macroeconomic Policy in Fragile States," co-edited with Raphael Espinoza and Peter Montiel, was published by Oxford University Press in March 2021. Before joining the IMF, Ralph was on the faculty of Finance Department, Mendoza Business School at the University of Notre Dame, USA. Ralph has a BS from American University of Beirut, MBA in finance and statistics from the University of Kansas and a Ph.D. in Economics from The Johns Hopkins University. His areas of expertise include fragile and conflict-affected states, climate change, remittances and migration, financial markets and banking.

Zhenyu Zhang

Dr. Zhenyu Zhang received his Ph.D. in Epidemiology from Zhejiang University School of Public Health in 2016. He finished the post-doc training from the Department of Epidemiology at Johns Hopkins University Bloomberg School of Public Health from 2016-2021. Dr. Zhang is currently an assistant professor at the Department of Global Health of Peking University School of Public Health. Dr. Zhang's work is focused on the study of the adverse health effects of air pollution, in particular in evaluating the role of environmental exposures in the development of cardiovascular disease. Dr. Zhang has published seminal papers showing that particulate matter air pollution exposure has a measurable impact on cardiovascular risk factors, clinical outcomes, and mortality. In addition to his work in environmental epidemiology, Dr. Zhang has made important contributions in estimating the individual air pollution exposure with statistical models. Dr. Zhang uses novel machine-learning approaches that incorporate meteorological measurements, land-use terms, satellite-based measurements, and simulation outputs from a chemical transport model to estimate daily concentrations of PM2.5 in China, the United States, and South Korea. Dr. Zhang examines biologic risk factors as well as innovative epidemiologic methods and statistical analysis in the conduct of air pollution-health research. The ultimate objective of Dr. Zhang's work is to decrease the enormous burden of air pollution-related diseases through developing the scientific basis for behavioral and policy interventions.

Shannon Gibson

Dr. Shannon Gibson teaches courses and conducts research on global environmental politics, global public health, social movements, social justice, and community-based research. She received her Ph.D. in International Studies from the University of Miami in 2011. As a participant-action researcher she focuses on the role of disruptive politics and social movements in climate and health governance. In her dissertation, "Dynamics of Radicalization: The Rise of Radical Environmentalism against Climate Change," she conducted field and participant observation research at a variety of international summits, including World Social Forums in Brazil and Senegal, the 2010 G20 Summit in Pittsburgh, and the United Nations climate negotiations in Copenhagen and Cancun. Additionally, Dr. Gibson works to engage students in active and experiential learning by teaching abroad from her research travels, such as the UN climate talks in Paris and Bonn, and by leading Problems without Passports classes. She also runs interactive Model United Nations simulations in her courses based around real-life climate negotiations and World Health Assembly meetings.

Vivian Lee

Dr. Vivian Lee is currently Associate Professor of the Center for Learning Enhancement And Research (CLEAR) at the Chinese University of Hong Kong. Professor Lee received her Bachelor of Sciences degree in Biochemistry at the University of California, Los Angeles (UCLA) and her Doctor of Pharmacy degree in the School of Pharmacy, University of Southern California (USC). After completion of her pharmacy training, she had pursued post-doctoral training in Pharmacy Practice residency for one year at the Huntington Memorial Hospital in Pasadena, USA. Her specialty is in clinical pharmacy in particular to cardiovascular medicine. She is also a certified Specialist by the Board of Pharmaceutical Specialties (US) in Pharmacotherapy and added qualification in cardiology pharmacotherapy. She is also the fellow of the Hong Kong College of Pharmacy Practice and the senior fellow of the United Kingdom Higher Education Academy. Professor Lee is a clinician-scientist of clinical pharmacy outcomes research to chronic cardiology disease management utilizing the skills of clinical pharmacy, pharmacoeconomics, and interprofessional education to improve patient care. She has 153 full paper and 250 abstracts publications. She has received numerous teaching and research awards including the Faculty Education Award (2018), the University Education Award (Highest Award on Education at the Chinese University of Hong Kong) 2014, Vice Chancellor's Exemplary Award 2010 and Master Teacher Award 2012 at the Chinese University of Hong Kong. In 2021, she is awarded with the 10th Health Medical Research Fund Anniversary award to recognise her sustainable and translational research in health promotion. In addition to her passion in pharmacy research and teaching, Professor Lee also cares about the underprivileged and needy patients in the community. She has established the first interprofessional community outreach team (CU CHAMPION) and served over 50,000 elderly citizens in Hong Kong. This was converted to a 1-unit summer elective interprofessional education course staring in summer 2018. Professor Lee also launched the first interactive online drug information (AMPOULE) to address drug-related problems for patients worldwide. To date, AMPOULE has an accumulated over 45 million hits with an average daily hit of over 9,000 serving patients from 17 origins. She has also the country leaders for multiple international collaborative projects including the May Measurement Month organized by the International Society of Hypertension and the Atrial Fibrillation Awareness Month organized by the Atrial Fibrillation Alliance.

Rebekkah Markey-Towler

Rebekkah Markey-Towler is a Research Fellow for Melbourne Climate Futures at the University of Melbourne. She has a particular interest in the nexus of corporate / climate law and climate change litigation. She also works as a Resident Tutor at Janet Clarke Hall at the University. Previously, Rebekkah was a Research Assistant to Professor Jacqueline Peel at the Melbourne Law School, spent a year teaching English in Japan and spent 18 months as an associate to a judge at the Federal Court of Australia. She holds a Bachelor of Arts/Law (Hons) with majors in International Relations and Political Science from the University of Queensland.

FACILITATORS

DAY 1

Nasrin Aghamohammadi

Dr. Nasrin Aghamohammadi is an Associate Professor of Environmental Health Engineering and Public Health Expert, University of Malaya, Kuala Lumpur, Malaysia. Currently , she is heading the Occupational and Environmental Health Unit. Her areas of expertise revolve around multidimensional aspects of Biomass Burning, Air Pollution, Environmental Health and Urban Heat Island studies. She has an extensive background in pure and applied environmental engineering research associated with air, water, wastewater, solid waste and soil pollutants. She has published many impactful peer-reviewed journal articles and books on forest fires and Climate Change, UHI, Thermal Comfort, waste treatment and health impacts. She is an associate editors of the journal International Journal of Sustainable Cities and Societies. This strategic collaboration has enabled her to communicate her research knowledge and findings at various levels of stakeholders for the development standard guidelines and policy improvements. Her research focus is mainly on Sustainable Development Goals (Goals 3,6,7, 11 & 13).

Davis Bookhart

Davis Bookhart is the founding director of HKUST's Sustainability/Net-Zero Office, which is responsible for implementing the university's comprehensive sustainability master plan across operations, research, and academics. Bookhart's signature project was the development of Hong Kong's largest solar energy installation, comprising over 8,000 panels on more than fifty campus locations. Bookhart facilitates the Sustainable Smart Campus as a Living Lab initiative, utilizing a HK$50 million fund to support campus projects that demonstrate smart approaches to solving sustainability challenges. Awarded a HK$16 million grant from the Hong Kong Jockey Club Charitable Trust, Bookhart oversees activities that extend sustainability practices and support to all eight Hong Kong government-funded universities.

Bookhart also teaches classes on sustainability management and sustainability thinking, both of which develop skills and mental frameworks for solving complex 21st century problems. Bookhart came to HKUST after eight years as the director of the Office of Sustainability at Johns Hopkins University. As founding director, Bookhart built the office to focus on integrating students and faculty into campus sustainability projects while embedding sustainability into campus operations, policies, and procedures. Before joining Johns Hopkins, he was senior project director of the public interest group Consumer Energy Council of America. Bookhart holds a master's degree in International Affairs from the Fletcher School of Law and Diplomacy at Tufts University and a master's of American Literature from the University of North Carolina at Wilmington.

Laura Falkenberg

Dr. Laura Falkenberg is a marine biologist and ecologist whose research and teaching focuses on global change biology. Laura has a strong background in considering the biological impacts of both global stressors – such as elevated temperature and ocean acidification – as well as more localised impacts – such as nutrient pollution and species removal. To consider such impacts Laura often develops and implements novel methods such as mesocosm facilities, measurement techniques, and theoretical frameworks. Increasingly, Laura also looks at how the identified impacts move through ecosystems and impact human societies by driving changes to, for example, our economies and health. Laura is currently an Assistant Professor at the Simon F.S. Li Marine Science Laboratory, School of Life Sciences at the Chinese University of Hong Kong (Hong Kong SAR, China). Before moving to Hong Kong, Laura studied at The University of Adelaide in Australia and then worked as a Post Doctoral Research Associate at The University of Adelaide (Australia), University College London (Australia), University of Gothenburg (Sweden), and Norwegian Institute for Water Research (Norway). Laura is also the Contributing Editor for Limnology and Oceanography Bulletin. Laura is an active member of the Australian Marine Sciences Association (AMSA), Association for the Sciences of Limnology and Oceanography (ASLO), and British Ecological Society (BES).

Catalina González Arango

Dr. Catalina González Arango is an associate professor in the Department of Biological Sciences at the Universidad de los Andes in Bogotá, and currently leads the research group in Tropical Paleoecology and Palynology (PALEO). With over 15 years of experience, her research seeks to understand the long-term paleoecological and paleoclimatic history of tropical ecosystems from Northern South America as a result to the interaction among human societies, climate changes and biogeographic and geologic processes.

As part of the transdisciplinary Portafolio of Historical Ecology and Social Memory (EHMS), Catalina explores the biological aspects of the volcanic territories at different time-space scales. She is interested in studying the complex interactions among geological, ecological and human processes occurring in such territories, particularly to track the natural trajectories after disturbance, to address the resilience of Andean forests, and to establish relationships between geodiversity, biodiversity and cultural diversity.

Carole Green

Carole is a climate change and health researcher, focusing on global health adaptation to climate change. She is currently obtaining her Masters in Public Health in Global Health from University of Washington, with a certificate through the Center for Health and the Global Environment. She is the Adaptation, Planning, and Resilience Research Fellow with the Lancet Countdown, where she works with experts in the field to track global indicators. Prior to joining the Lancet Countdown, Carole worked in international forecasting, specializing in literature on climate and societal scenarios. She continues to pursue research around climate and societal forecasting, leading an updated literature database project set to be released summer 2022 with the International Committee on New Integrated Climate Change Assessment Scenarios (ICONICS).

Jamie Hosking

Dr. Jamie Hosking is a public health physician by training. He teaches public health and health protection at The University of Auckland. His research interests are in the area of transport, climate change and health equity. His current research models the impacts of transport policy in Auckland on health, health equity and greenhouse gas emissions.

Sijeong Lim

Dr. Sijeong Lim is associate professor in the Division of International Studies at Korea University. She holds a doctoral degree in Political Science from University of Washington, Seattle. Before joining the faculty at Korea University, she was a postdoctoral researcher at Stockholm University, Sweden and assistance processor at the University of Amsterdam, the Netherlands. Her research examines how domestic and international politics interact in the domains of environmental and social welfare policies. Her recent works explore global and domestic distributional implications of climate policy and discuss how societies can foster broad public support for the sustainable energy transition.

Melissa Low

Melissa Low is a Research Fellow at the National University of Singapore's (NUS) Centre for Nature-based Climate Solutions. She previously worked at the Energy Studies Institute, NUS where she carried out research projects on a range of energy and climate issues of concern to Singapore and the region. She has participated in the United Nations Framework Convention on Climate Change (UNFCCC) Conference of Parties (COP) for over a decade and is an active sustainability thought leader, authoring, publishing and presenting at various forums.

She is the Designated Contact Point for NUS's accreditation to the UNFCCC and serves on the nine-member Steering Committee of the Research and Independent Non-Governmental Organisation (RINGO) Constituency under the UNFCCC. She is also is a Member of the International Civil Aviation Organisation's Committee on Aviation Environmental Protection (CAEP) Long Term Aspirational Goal Task Group (LTAG-TG). Melissa holds an LLM in Climate Change Law and Policy (with distinction) from the University of Strathclyde, MSc in Environmental Management and BSocSci (Hons) in Geography from NUS. For her Master's thesis on past and contemporary proposals on equity and differentiation in shaping the 2015 climate agreement, Melissa was awarded the Shell Best Dissertation Award 2013. She is currently pursuing a PhD part-time at the NUS Department of Geography.

In 2021, Melissa was conferred the NEA EcoFriend Award and the Public Service Medal (Pingat Bakti Masyarakat) for her contributions towards environmental sustainability, climate change awareness and impact on youth. She serves as Chair of the Climate Action SG Alliance, is an Advisory Committee Member for the MSE SG Eco Fund, a Council Member of the 16th National Youth Council and Committee Member of the Speak Good English Movement. She is also Chief Curator of the National Youth Council's Young ChangeMakers Programme and a panelist on the Speak Good English Movement Programmes Evaluation Panel.

Yanan Luo

Dr. Yanan Luo is assistant professor in the Department of Global Health, Peking University. Her research focuses on the life-course approach and healthy aging, health equity, mental health, disability and demography. She has published 50 peer-reviewed papers, and has lead and participated in a series of international-, national- and provincial-level research projects. She serves as the members of APEC Life Science Innovation Forum, Organization for Women in Science for the Developing World, Academic Network for Sexual, Reproductive Health and Rights, Professional Committee on Disability Prevention and Control of Chinese Preventive Medicine Association. She was invited to participate in WHO Expert Consultation Seminar on Regulatory Coordination in the Western Pacific Region, APEC Senior Official Meeting, Life Science Innovative Forum meetings, and the UN Washington Group on Disability Statistics Training Workshop.

Budi Haryanto

Dr. Budi Haryanto is Professor of Environmental Health at Faculty of Public Health Universitas Indonesia (UI) and Director of Research Center for Climate Change UI. He is also a Board of Directors of the Pacific Basin Consortium on Environment and Health 2008-2022. He received a PhD on epidemiology and MSPH on environmental health from UI. He also holds MS on epidemiology from UC Los Angeles. He has experienced in numerous environmental epidemiology studies such as research on air pollution and children's health, including lead, PM 2.5, ultrafine-particles, and biological exposures. Most recently he has actively contributed to the studies and development of policy and action plan on forest fire health impacts, vulnerability and health adaptation to climate change, health impact of extreme weather events, and impact of land used change to animal and vector-borne diseases. He has published more 50 papers on environmental epidemiology included 11 book chapters and 1 edited book and serves on the editorial boards of 4 journals on environmental health and public health. He also actively involved on scientific climate talks at IPCC's COP 15 Copenhagen 2009, COP 21 Paris 2015 and COP 22 Marrakech 2016.

Cristina Mateus

Dr. Cristina Mateus' main focus is on climate change and anthropogenic impacts on water resources. Managing water resources to meet both human and environmental needs under socioeconomic and climate changes in areas such as the Galapagos Islands poses great challenges for water managers. She evaluates and develops sustainable alternatives to address water quality and water quantity challenges as well as climate mitigation and adaptation actions for the Galapagos Islands.

Her current work particularly focuses on resilient urban development in the Galapagos Islands, to increase Galapagos resiliency by reducing vulnerabilities to changes in precipitation and population growth that impact public health, water quality, and the environment, focusing on wastewater and stormwater systems. Another project investigates how the different river and stream systems are affected by changes in temperature and precipitation under different greenhouse gas emission scenarios and evaluate how sub-basin characteristics, including elevation, hydrogeology, intensity of water demands, groundwater interactions, contribute to hydrologic sensitivity to climate variability and water scarcity. Another project is the Galapagos Emission Inventory and Model Development, with the goal to develop an air pollutant and greenhouse gas (GHG) emission model for environmental management and decision-making in the Galapagos Islands.

Alexandra Rempel

Dr. Alexandra Rempel is a building scientist and Assistant Professor in the Environmental Studies Program at the University of Oregon, where she investigates climate-related resources for passive heating, passive cooling, and natural ventilation, particularly in climates where they have been previously overlooked. Her research group also develops new control strategies to capture and deliver these resources more effectively than has previously been possible. By combining field work with energy modeling, her group also studies the lessons that existing buildings and vernacular design practices hold for contemporary climate-responsive design, with an emphasis on the thermal and hygroscopic behavior of earth materials. Prof. Rempel's work has been funded most recently by the National Science Foundation and the U.S. Department of Energy, and her group's work has been published in Building and Environment, Renewable Energy, Energy and Buildings, Renewable and Sustainable Energy Reviews, and Geoscience of the Built Environment, as well as conference proceedings of the International Society of Building Physics, Passive and Low-Energy Architecture, and Simulation in Architecture and Urban Design. Through her Passive Heating seminar, she works regularly with the Sustainable City Year Program to bring passive heating to communities around Oregon, and she is the President Elect of the Society for Building Science Educators. She holds a Ph.D. from the Massachusetts Institute of Technology and an M.Arch. from the University of Oregon.

Nemani Seru

Dr. Nemani Seru attended the Fiji School of Medicine and received a Certificate in Primary Health Care and a Master of Public Health at Tulane University. His special skill is being a Primary Care Physician. Throughout his career he has served in many rural hospitals and health centers as a medical assistant in the Fiji Islands. In 1992 he served as Health Promotion Officer for Fiji MOH and South Pacific Commission. In 2000 he joined the Fiji School of Medicine at Fiji National University as a lecturer. Currently, he is affiliated with the Fiji National University College of Medicine Nursing and Health Sciences.

Joshua Skov

Joshua Skov is Industry Mentor and Senior Instructor in the Center for Sustainable Business Practices at the University of Oregon. Skov has been a consultant to business and government organizations on sustainability strategy for more than twenty years. Acting as a liaison between technical analysis and executive-level decision making, he has served more than 50 clients in the United States and abroad in a range of industries, including energy, food, waste management, tech, and consumer products. Skov also serves in a senior position in the Sustainability, Energy, and Climate Change practice of WSP, one of the world's largest professional services firms. He has served on advisory bodies for World Resources Institute, Oregon Department of Environmental Quality, ICLEI, and the National Academies.

Annabelle Workman

Dr. Annabelle Workman is a Research Fellow at Melbourne Climate Futures (MCF) on the lands of the Wurundjeri Woi Wurrung people of the Kulin nation. At MCF, Belle is an early career researcher co-lead for the Health, Wellbeing and Climate Justice Research Program. She supports the Health Environment Research and Action (HERA) collaborative and the newly established Earth Systems Governance (ESG) Working Group on Planetary Health Justice. She is a qualitative researcher with interests including climate change, human health, policy development, air quality and energy transitions. She completed a PhD investigating the role of health co-benefits in the development of climate change mitigation policies in 2019 at the University of Melbourne's Climate and Energy College. Since her PhD, she has completed a Research Fellowship at the University of Tasmania's Menzies Institute for Medical Research with the environmental health group evaluating the smartphone health app, AirRater. Most recently, she has been a member of the University of Tasmania's Sustainability team and a Knowledge Broker at the Centre for Air pollution, energy and health Research.

Sayaka Yasunaka

Dr. Sayaka Yasunaka is a professor at Tohoku University, where she earned her Ph.D. (Science). She has worked at the University of Tokyo, National Institute for Environmental Studies (NIES, Japan), Japan Agency for Marine-Earth Science and Technology (JAMSTEC). Her research interests are ocean environmental science and ocean carbon and nutrient cycles. Recently, she revealed for the first time in a study based on observational data that the concentration of nutrients at the ocean surface has been decreasing over the past several decades with global warming. Meanwhile, through an international collaboration, she succeeded in quantifying carbon dioxide absorption in the Arctic Ocean, and showed that the Arctic Ocean is a major carbon dioxide sink. She has served as a steering committee member of the Oceanographic Society of Japan, a section board member of the Japan Geoscience Union (JpGU) and a steering committee member of the Arctic Environment Research Consortium, Japan. She has also been appointed as a research member of the IOC Committee of the Japanese National Commission for UNESCO, a member of the CLIVAR National Committee, a member of the SOLAS National Committee, and a member of the Advisory Board for Gender Equality of the Japan Society for the Promotion of Science (JSPS).

Ying Zhang

Dr. Ying Zhang is an Associate Professor at the School of Public Health, University of Sydney. Ying is a senior epidemiologist, a dedicated researcher and educator on climate change and global health, resulting in more than 120 publications. Ying is the Co-Chair of the Lancet Countdown Australia on Health and Climate Change, producing annual assessment reports to track national progress on health and climate change until 2030. Ying is the Convenor of the Sydney Sustainability, Climate and Health Collaboration and Co-Lead of the Heat and Health Research Centre at the University of Sydney. Ying is keen on promoting research translation and policy advocacy to address health and climate change issues through her leadership roles at various health organisations, including being a council member of the Australasian Epidemiological Association, previous board member of Climate and Health Alliance Australia, and member of the World Health Organisation Civil Society Working Group on Climate change and Health.

FACILITATORS

DAY 2

Monalisa Chatterjee

Dr. Monalisa Chatterjee is a geographer with expertise in adaptation and environment policy. Currently she is an Assistant Professor (teaching) in the Department of Environmental Studies at University of Southern California. Prior to this appointment she worked as the Adaptation Lead in the science team of the Technical Support Unit with the Working Group II Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report. She has also worked as an Environmental Policy Analyst with UNDP, New York. Her current research interests are in examining the impact of climate and societal change on the distribution of risks, vulnerability and resilience, integrating methods using multidisciplinary approaches, and qualitative and quantitative consolidation of findings on adaptation to develop integrated policy frameworks of vulnerability reduction and sustainable adaptation. Dr. Chatterjee holds a Doctorate in Geography from Rutgers University.

Sheeba Chenoli

Dr. Sheeba Chenoli is a Senior Lecturer at the Department of Geography, Universiti Malaya. She received a PhD from University Malaya in Antarctic Climatology and Meteorology. She also earned a Master of Technology in Atmospheric Science and a Bachelor of Science in Physics. Her areas of expertise are meteorology and climate science, and she has been conducting extensive research on extreme weather, climate change and the climate of the tropical and polar regions. She is also an associate researcher at the Institute of Earth and Ocean Sciences and the National Antarctic Research Centre at the same university. She chairs an action group on Tropical and Antarctic Teleconnection (TATE) under the Scientific Committee on Antarctic Research (SCAR).

Hancheng Dai

Dr. Hancheng Dai is an Assistant Professor and Chairman of the Department of Environmental Management in the College of Environmental Sciences and Engineering at Peking University. He is also a joint appointment research fellow of the Institute for Global Health and Development at Peking University. Dr. Dai's research focuses on green & low-carbon transformation and human & planetary health at the local, national and global scales. By developing and applying the state-of-the-art integrated assessment model, key questions are explored on the mitigation costs of achieving ambitious climate targets and their co-benefits on improvements in air pollution, human health and resource efficiency. Dr. Dai ranked as the World's Top 2% most-cited scientists released by Stanford University in 2020. His main publications, including 8 ESI 1% highly cited papers, are on energy economics and policy related journals. Dr. Dai is active in multiple international and domestic science programs by serving as the Lead Author of the Global Environment Outlook Sixth Edition (GEO-6) for Cities, Contributing Author of the IPCC 6th Assessment Report, Global Burden of Disease (GBD) Collaborator. He is also the Standing Committee Member of Branch of Ecological and Environmental Systems Engineering, Systems Engineering Society of China, and Committee Member of City Air Integrated Management and Low Carbon Action Partnership of China, as well as Committee Member of Branch of Climate Change of Chinese Society for Sustainable Development. He has also provided professional consulting services to various organizations such as the Energy Foundation and Environmental Defense Foundation.

Adrian Dwiputra

In the six years of his career, Adrian's research has been centered on extracting ecologically meaningful inferences that support sustainable landscape management across diverse socio-ecological contexts. He harnesses modelling techniques, field surveys, and remotely sensed data to address research questions in terrestrial ecosystem management and estimate socio-ecological trade-offs of different management options. Science-based landscape management can help inform our society in navigating climate change and biodiversity crises.

He is currently a Ph.D. student in the Centre for Nature-based Climate Solutions (CNCS) at the National University of Singapore. Before joining CNCS, he obtained his Master's degree in Geography at the University of British Columbia, where he utilized different sensors in space to monitor land cover types in a heterogeneous landscape in Cambodia. Prior to graduate studies, he worked with the World Agroforestry in Indonesia as a Natural Resources Management Tools Developer for four years after graduating with a bachelor's degree in Biological Sciences in 2015 with an honours thesis on dholes (Cuon alpinus) space use in Baluran National Park. As an Indonesian scientist, he aspires to conserve the biodiversity that coexists with the culturally-rich communities across the Southeast Asian region, especially in his rapidly developing country.

Yi-Huan Hsieh

Dr. Yi-Huan Hsieh (Ph.D., National Taiwan University) is a project assistant professor at the International Degree Program in Climate Change and Sustainable Development at National Taiwan University. His research interests include Tropical cyclone formation (Tropical cyclogenesis), Nurmical modeling, and Flood early warning system. Recent work and collaborations include Low-costing environment sensing, Student-Centered Learning Strategies, and Earth science education. Dr. Hsieh participates in several Academic unions and non-governmental organizations in Taiwan, including the Meteorological Society of the Republic of China, the Chinese Geoscience Union, the Taiwan Association of Disaster Prevention Industry, the Taiwan Climate Services Partnership, and the Taiwan Youth Climate Coalition. Besides these, he is also a badminton coach.
2017 Ph.D. Department of Atmospheric Science, National Taiwan University
2008 B.S. Department of Atmospheric Science, National Taiwan University

Jerome Hui

Dr. Jerome Hui is currently the Associate Professor at The Chinese University of Hong Kong. He is also the Director of Biology Programme, and members of Cell and Molecular Biology Programme, Environmental Science Programme, and Molecular Biotechnology Programme of the School of Life Sciences. He received his DPhil from the University of Oxford, and postdoctoral training from University of Manchester and University of Oxford. As an evolutionary biologist and zoologist, he has keen research interests on arthropods, cnidarians, invertebrates, cross-kingdom interactions, biotechnology, genomics, molecular ecology, and conservation of biodiversity. Further information can be found at the following webpage: https://www.sls.cuhk.edu.hk/index.php/faculty-and-staff/teaching-staff/26-sls/faculty-and-staff/teaching-staff/105-professor-hui-ho-lam-jerome

Yuzuru Isoda

Dr. Yuzuru Isoda is Associate Professor at Tohoku University (Japan), in human geography. His research interests include human migration, population changes, and rural changes. He uses maps, Geographical Information System (GIS) and quantitative analyses in his research. He studied in Tohoku University and in London School of Economics. He has previously worked in Ritsumeikan University and in Ritsumeikan Asia Pacific University (both in Japan). Married, with a daughter and a dog, he spends most of his time outside work practicing the violin and piano.

Yinzi Jin

Dr. Yinzi Jin is an assistant professor in the Department of Global Health at Peking University School of Public Health. Dr. Jin received her PhD in health systems and policy from Peking University China Center for Health Development Studies in June 2018, and completed her postdoctoral fellowship in the Department of Global Health at Peking University School of Public Health in June 2020. Her research areas include Global Health Systems, Development Assistance for Health, Patient Safety and Healthcare Quality Improvement, Global Strategy of Noncommunicable Diseases Prevention and Control. Dr. Jin is leading more than 10 national- and provincial-level research projects related to implementation of quality improvement initiatives on emergency and critical care. She has published more than 30 peer-reviewed papers as first author and corresponding author. She has been invited to present in several international academic conferences, including the Global Health Symposium on Health Systems Research, Prince Mahidol Award Conference, World Health Summit, European Society of Cardiology, etc. She leads the course on Global Health for undergraduate students majoring in public health, and the course on Health Project Management for graduate students majoring in public health, and the course on International Health Project Management for executive master of public health from other low- and middle-income countries. She serves as a facilitator of the course on Global Health Leadership in Practice (Global Health Course of Association of Pacific Rim Universities, APRU). She also serves as Health Systems Global, Emerging Voices Governance Board Member for the Western Pacific region since 2020.

Serena Sze Ring Pau

Serena currently manages the Product Delivery Team - Digital Services at CLP Holdings Limited as Product Delivery Lead. She has led a team of digital talents to launch over 10 digital products in the smart building field to help make sustainability a practical reality for commercial and industrial clients in Hong Kong and China.

Prior to her appointment at CLP, Serena is involved in starting her own tech start-up, Ozmo, and has been heavily involved in hardware and software development as well as product marketing in the past 14 years.

Amos Tai

Dr. Amos P. K. Tai is an Associate Professor in the Earth System Science Programme of the Faculty of Science at The Chinese University of Hong Kong (CUHK). Amos obtained his B.Sc. from Massachusetts Institute of Technology (MIT), Ph.D. in Environmental Science and Engineering from Harvard University, and was a Croucher Postdoctoral Fellow at MIT. Amos specializes in atmospheric chemistry and physics, agricultural and forest meteorology, and biosphere-atmosphere interactions. His research combines high-performance Earth system modeling and multivariate statistical analysis of observations to examine the complex interactions between ecosystems and the atmosphere, addressing pressing issues such as the impacts of air pollution and climate change on ecosystems and food security, and how agriculture and forests can be better managed to mitigate environmental impacts. His work has been published in top-ranking journals in the atmospheric and environmental sciences, and earned him the World Meteorological Organization Research Award for Young Scientists, Research Grants Council (Hong Kong) Early Career Award, and founding membership of the Hong Kong Young Academy of Sciences. Amos is also a passionate educator, having received the CUHK Vice-Chancellor Exemplary Teaching Award. Amos delights in promoting science to the public in various venues and media outlets, especially on climate change, environmental sustainability, and faith and science. He has also provided professional consulting services to various government departments.

Timaima Tuiketei

Dr. Timaima Tuiketei is a primary care physician and has been in practice in Fiji and the Pacific region in the past 30 years. She is currently the Head of School of Public Health and Primary Care. She has represented Fiji in numerous Public Health Forums and Conferences internationally, regionally, and nationally whilst working in the Fiji Ministry of Health and as the Director Public Health. She is a graduate of the Fiji School of Medicine (1981). In addition, she obtained her Master of Public Health degree at the University of New South Wales Australia (1994); an MPH by Research degree at the Fiji National University (FNU) in 2015, and a Graduate Certificate in Tertiary Teaching at the University of the South Pacific in 2014. Dr Tuiketei Joined FNU in 2009 as an Assistant Professor in Primary Care with the School of Public Health and Primary Care at the College of Medicine Nursing and Health Sciences (CMNHS – formerly known as the Fiji School of Medicine). She has conducted a number of research projects while at CMNHS and is the driving force in the NCD and SRH postgraduate programmes development in FNU. She is the former Associate Dean Learning and Teaching in CMNHS from 2018 –2021.

Stephen Chua

Stephen Chua received his B.A. (Hons) in Geography in 2003 and MSc (Environmental Science) in 2010 from NIE/NTU. His undergraduate dissertation focused on reconstructing palaeoenvironmental changes to the Sungei Buloh-Kranji mangrove coast, while his Master's work involved monitoring and predicting potential impacts of sea level rise on the Pasir Ris mangroves.

Stephen joined the Interdisciplinary Graduate School NTU as a Ph.D. student under the supervision of Associate Professor Adam Switzer and Professor Ben Horton in 2014. He received an Endeavour Research Fellowship in 2017 to conduct isotopic analysis of sediments at the Advanced Analytical Centre, James Cook University, Cairns. Stephen was a recipient of the Outstanding Student Poster Award at the American Geophysical Union Fall Meeting in 2018. During his Ph.D., he used borehole data to conduct geological modelling of the Kallang River Basin, and used sedimentological and geochemical records from sediment cores in Singapore to reconstruct past sea level, morphological and environmental changes.

Stephen is currently a Research Fellow working under Professor Benjamin Horton looking at past sea level and coastal change in Singapore and the region, using sea level proxies (e.g. mangrove peat) found predominantly in sediment cores.

Wan-Ling Tseng

Dr. Wan-Ling Tseng works as an Assistant Professor for the International Degree Program in Climate Change and Sustainable Development in National Taiwan University. She became a Research Scientist in the Ministry of Science and Technology, Research Center for Environmental Changes, Academia Sinica in Taiwan, where she had been a Postdoctoral Research Fellow from 2013 to 2020.

She studied her PhD at Helmholtz Centre for Ocean Research Kiel (GEOMAR) in Germany. Her research interests are tropical climate, large-scale circulation and climate change, ocean-atmosphere interaction, Madden-Julian Oscillation, global circulation model and data diagnostics, attribution of extreme climate events, reconstruction of historical climate, and the impact of atmospheric circulation on ecosystem.

AVAILABLE ONLINE

Alistair Woodward

Dr. Alistair Woodward is a public health doctor and epidemiologist at the University of Auckland in New Zealand. He has worked for a range of international agencies, including WHO, UNEP and the Ford Foundation. His climate change interests go back to the 1990s, when the idea that human activity might disrupt planetary systems was regarded as rather odd, and hardly deserving serious attention. The world has changed, thank goodness.

Gonzalo Rivas

Dr. Gonzalo Rivas is interested in understanding the impact of biotic and abiotic variables on the plant communities of tropical forests in Ecuador, particularly in the Yasuní Biosphere Reserve, Galapagos and in the high Andean forests of the North of the country. His current projects include: 1) mapping the existing diversity in these areas using advanced technologies and remote sensing; 2) using spatially explicit results as the tools endorsed by the environmental authority of Ecuador, 3) understand in the short and long term how variation in climate at different spatial and temporal scales affects plant communities in his regions of interest.

Litiana Talake

Litiana Talake is the Adaptation Policy Adviser in the Climate Change Department of the Ministry of Finance of the government of Tuvalu.

Kathryn Bowen

Dr. Kathryn Bowen is Professor and Deputy Director at Melbourne Climate Futures, and Professor - Environment, Climate and Global Health, at the Melbourne School of Population and Global Health, University of Melbourne. She is an Affiliate Scholar at the Institute for Advanced Sustainability Studies, Potsdam, Germany (iass-potsdam.de). Kathryn works at the nexus of global environmental change, global health and governance issues primarily in low and middle-income settings. She holds a PhD (ANU), MSc (International Health), DTMPH (Humboldt & Frei Universities, Berlin) and BA/Psyc (Hons) (Newcastle).

She has worked in global health research and policy since 1999, across public, private and university sectors. She is a Senior Research Fellow within the Earth System Governance project, and Alumni of the Centre for Sustainability Leadership. She also holds a number of key international leadership roles, including as Lead Author on the Intergovernmental Panel on Climate Change (IPCC) 6th Assessment Report (Ch. 7, Health), the Science Committee of the World Adaptation Science Program (UNEP); the Steering Committee of the Future Earth Health Knowledge Action Network (Health KAN), and the Planetary Justice Taskforce as part of the Earth System Governance network. Dr Bowen is regularly commissioned by international bilateral and multilateral agencies (eg. WHO, DFAT, UNEP, UNDP, ADB, GIZ, DFAT) to co-design solutions for sustainable futures, particularly in relation to planetary health. She works passionately to empower colleagues and decision-makers and collaborate with diverse stakeholders to drive positive outcomes.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We do not inherit the earth from our ancestors, we borrow it from our children.
Chief Seattle

HOW TO REGISTER?

Watch the instructional video on this link:

https://bit.ly/APRUClimateChangeCanvasRegVid

WRITTEN INSTRUCTION

1. You will receive an email invitation to join the Canvas site for 2022 APRU Climate Simulation. Follow the instructions in the email or these instructions below.
2. Go to https://canvas.instructure.com/login/canvas

***NOTE: It MUST be canvas.instructure – if the URL says canvas.learn, you're on the WRONG version of the site.**

***If your university uses Canvas - you still need to make a new account with THIS version of Canvas.**

3. In the top right corner it says "Need a canvas account? Click here, it's free"
4. Click that link and it will take you to the following webpage: https://canvas.instructure.com/register
5. Click on the student sign up
6. Complete the required information and use the join code: **M3FGX3**
7. Once you complete the sign up you should be granted access to the site.

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