

1<sup>st</sup> International UHWB Summer School 2022

# Urban Health and Ecological Civilization

July 25-30

Organized by:

The “International Center for Ecological Civilization” (ICEC) Working Group of the



UHWB global interdisciplinary science programme

Co-organized by:



Institute of Urban Environment, Chinese Academy of Sciences

and



## **Background**

**Urban health** is about the health of people in cities and the healthy design and functioning of urban environments connected to their rural hinterlands by a web of exchange networks facilitating flows of data, energy and resources in multiple complex systems spanning around the entire globe. Most of the global human population lives in cities and their impact on the environment and climate is enormous. However, cities are also the places for creativity and innovation which are needed to find solutions to multiple global crises and to transform social, ecological and technological systems so that improving human wellbeing is not achieved at the expense of planetary health.

**Ecological Civilization** is about the relationship between socio-cultural and ecological systems, whereas the term ‘civilization’ also refers to society’s institutions which define that relationship. The general idea is harmony between humans and nature. That relationship can be considered “healthy” when it is mutually supportive. The health focus implies a need for systemic interconnectivity. Linking rural and urban systems and rural revitalization, but also linking science to practice, applying deliberative and intelligent governance in systems which link data-knowledge and action seems to be essential for a resilient and responsive design of urban environments. In a “big world on a small planet”, where complexity, uncertainty and systemic risks are increasing, people need to rethink fundamental values, transform operational and governance modes and also change ways of measuring progress.

**The 1<sup>st</sup> international UHWB summer school** brings together international thought leaders to present ideas, concepts and cases and to discuss how healthy urban environments can shape ecological civilization. The lectures aim at connecting the two concepts of urban health and ecological civilization and to deliberate on the question “which role urban and rural civilizations alike can play in safeguarding the health of people, cities and the environment.”

Members of the UHWB programme’s scientific committee and its global network partners will give lectures and engage in a dialogue with participants, to address that question. The summer school lectures will be online and is free of charge.

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Dates: 2022, July 25-30

Fieldtrip for participants in Xiamen: Sat. July 30

**Registration:**

<https://us02web.zoom.us/meeting/register/tZApf-2uqjgoH9GCU8Ju8WXHucn71XW-1PAQ>

Contact/Registration for field trip: [uhwb@iue.ac.cn](mailto:uhwb@iue.ac.cn)  
(Limited places available!)

The UHWB Programme will issue certificates of participation on demand and subject to actual participation.

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## Lecturers of the 1<sup>st</sup> international UHWB Summer School 2022



**Zhu Yong-Guan**, Professor of biogeochemistry and environmental soil science, is an Academician of the Chinese Academy of Sciences. Professor Zhu obtained his PhD in environmental biology from Imperial College, London in 1998. He is currently the Director for Education/Internationalization of the Institute of Urban Environment, Chinese Academy of Sciences (CAS). Professor Zhu is a leader in taking multi-scale and multi-disciplinary approaches to soil and environmental problems, such as arsenic biogeochemistry and antimicrobial resistance. Dr Zhu obtained his PhD in environmental biology from Imperial College, London in 1998. Dr Zhu is currently the co-editor-in-chief of *Environment International* (Elsevier), and editorial members for a few other international journals. He is a scientific committee member for the ISC (International Science Council) program on Human Health and Wellbeing in Changing Urban Environment, and served for nine years as a member of Standing Advisory Group for Nuclear Application, International Atomic Energy Agency (2004-2012).



**Cao Jinghua** is Executive Director, the Secretariat of the Alliance of International Science Organizations (ANSO). Prior to this position, he was Director General, the Bureau of International Coop (BIC), the Chinese Academy of Sciences (CAS). An English major and graduate from the Beijing Foreign Languages Institute in 1982 and a masters in business management and international policy from CCNY, US in 1987, he has worked in different posts in international relations at CAS such as Deputy Director of the Office of External Financing, CAS, Deputy Director and Director of the Office of American and Oceanian Affairs, BIC, CAS, Assitant Director, Deputy Director General and Director General of BIC, CAS. He also worked as a Second and First Secretary in the S&T Section of the Chinese Embassy in Washington D.C. US from 1995 to 1997. His research interests are science policy and international cooperation in science and engineering. His publications include a few articles in international SCI journals.



**Jason Corburn** is a Professor in the Department of City and Regional Planning and School of Public Health. He directs the Institute of Urban and Regional Development and the Center for Global Healthy Cities at UC Berkeley. He also coordinates the joint Master of City Planning (MCP) and Master of Public Health (MPH) degree program at UC Berkeley. His research focuses on the links between environmental health and social justice in cities, notions of expertise in science-based policy making, and the role of local knowledge in addressing environmental and public health problems. Professor Corburn's research and practice works to build partnerships between urban residents, professional scientists and decision-makers in order to collaboratively generate policy and planning solutions that improve the qualities of cities and the well-being of residents, particularly the poor and people of color.





**Michael Klaus** is chief representative of the German Hanns Seidel Foundation Shandong Office and has rich experience in conducting integrated development pilot projects and consultancy for administrations in China. Before coming to China, he worked as an assistant professor in the land management department at the Technical University Munich for 17 years, focusing on course and curriculum development for study programs. Dr. Klaus has extensive scientific and practical experience in the field of land management, in particular spatial planning, land use planning, real estate cadaster, urban and rural land management, village renewal, as well as community and rural development. As a consultant for the Ministry of Natural Resources, he provides scientifically based advice to central state institutions with a multiplier effect in the field of land management in order to anchor sustainable development of rural areas institutionally. The results are also internationalized and adapted to other countries within a framework of trilateral cooperation



**Franz Gatzweiler** is professor at the Institute of Urban Environment, Chinese Academy of Sciences and Executive Director of the International Science Council's global interdisciplinary science programme on "Urban Health and Wellbeing: a Systems Approach". He studied Agricultural-, Institutional Economics at the University of Bonn and the Humboldt University of Berlin in Germany; did research on managing forest landscapes, biodiversity, poverty and marginality in Subsaharan Africa and South Asia and he is external affiliated faculty of the Ostrom Workshop, Indiana University and senior fellow at the Center for Development Research, Bonn University, Germany.



**Chen Wei-Qiang** is professor at the Institute of Urban Environment, Chinese Academy of Sciences. He received his bachelor and Ph.D. degrees from the School of Environment at Tsinghua University, Beijing, and was working at Yale School of Forestry and Environmental Studies during 2010-2015. His research focuses on the (1) urban metabolism and urban complexity, and (2) anthropogenic cycles and trade of resources, especially metals and plastics. His studies have been published in the Proceedings of the National Academy of Sciences of the United States of America (PNAS), Environmental science and Technology, and other first-level journals.



**Rong Tan** is a professor and the Vice Dean of the School of Public Affairs (SPA), Zhejiang University. His research mainly focuses on the institutional analysis of land, climate governance, and sustainable development. He is currently leading several key projects funded by the Ministry of Science and Technology and the Ministry of Education of China, such as the National Key R&D Program 'Research on Sustainable Transformation Models in Response to Global Changes', and The key program 'Property rights system reform of natural resources assets in China.'





**José Lobo** is a Senior Sustainability Scientist at the Global Institute of Sustainability, associate professor of research at the School of Sustainability, and faculty associate in economics at the W.P. Carey School of Business. His research applies statistics and data mining to understand metropolitan economic performance, particularly how urban size and social networks influence innovation. He has been a visiting researcher at the Santa Fe Institute and Italy's Università di Modena e Reggio Emilia.



**Rachel Cooper** is Distinguished Professor of Design Management and Policy at Lancaster University. She is a Director of ImaginationLancaster, an open and exploratory design-led research centre conducting applied and theoretical research into people, products, places and their interactions, and also Chair of Lancaster institute for the Contemporary Arts. Professor Cooper's research interests cover: design thinking; design management; design policy; and across all sectors of industry, a specific interest in design for wellbeing and socially responsible design.



**Prachi Rampuria** is co-founding director at EcoResponsive Environments, an award-winning urban design and architectural practice based in London. Using a complex-systems approach, we design places to support health and well-being, today and for future generations. The practice won the RIBA Reimagining the Garden City international design competition, followed by RIBA Vision of the Future Heath Park Masterplan competition in 2020. It was awarded best 'Practice' at the SALUS Healthy City Conference in 2019. Prachi is also an Associate at the Quality of Life Foundation, teaches at Oxford Brookes University's MA in Urban Design course and sits on multiple Quality Review Panels. She is currently co-authoring a book titled 'EcoResponsive Environments' to be published by Routledge.



**Christian Borgemeister** is the Director of the Center for Development Research ([www.zef.de](http://www.zef.de)) and Professor for Ecology and Natural Resources Management at the University of Bonn, Germany. He was appointed in 2013 at ZEF and since 2014 is also serving as Managing Director of the Center. Prior he was the Director General of the International Centre of Insect Physiology (icipe - [www.icipe.org](http://www.icipe.org)), a Nairobi, Kenya headquartered pan-African R&D Centre. Christian Borgemeister is a trained entomologist and has lived and worked for more than 20 years in West and East Africa, South East Asia and Latin America. He is a Fellow of the African Academy of Sciences, the Royal Entomological Society, the Entomological Society of America (ESA), Member of the Council of the International Congress of Entomology and since May 2020 Chairman of the Board of Trustees of the International Institute of Tropical Agriculture (IITA – [www.iita.org](http://www.iita.org)). Borgemeister has been the recipient of the 2011 International Plant Protection Award of Distinction of the International Association for the Plant Protection Sciences (IAPPS), and the 2015 Distinguished Scientist Award of ESA's International Branch.





**Mari Vaattovaara** is Professor of Urban Geography at the University of Helsinki and Director of Helsinki Institute of Urban and Regional Studies. Her academic background is both in human geography and landscape architecture, closely linked to sociology. Her research interests relate to the social and spatial developments in urban areas, segregation, immigration, and housing, often with health-related perspectives.



**Tony Capon** directs the Monash Sustainable Development Institute and holds a chair in planetary health in the School of Public Health and Preventive Medicine at Monash University. A public health physician and authority in environmental health and health promotion, his research focuses on urbanisation, sustainable development and human health. Tony is a former director of the International Institute for Global Health at United Nations University (UNU-IIGH), and has previously held professorial appointments at the University of Sydney and Australian National University. He is a member of the Rockefeller Foundation–Lancet Commission on Planetary Health that published its report Safeguarding human health in the Anthropocene epoch in 2015, and the International Advisory Board for The Lancet Planetary Health.



**Manfred Denich** was Associated Researcher at the Center for Development Research (ZEF), University of Bonn, Germany, since his recent retirement. He is a biologist (applied botany, zoology, wood biology) with a doctoral degree in agricultural science (tropical agronomy, rural sociology) and has more than three decades of experience in research on tropical land-use systems (agroforestry, alternatives to slash-and-burn agriculture), biomass production, processing and use, conservation and use of biodiversity, bioenergy, land degradation, and adaptation of land-use systems to climate change. In recent years, he has been particularly interested in implementation research. Manfred Denich has also been deeply involved in establishing training and education programs with and in the Global South. His scientific activities took place in South America (especially the Amazon region), West, East and South Africa, as well as South (Himalayas), Southeast and East Asia (amongst others, a research and teaching collaboration with Hubei University in Wuhan for more than 20 years). Manfred is an advisor to several national and international governmental and non-governmental organizations.



## Agenda

Speaker no.	Name, Affiliation	Title/Topic	Date, Time Beijing CST July	Confirmed
1	Zhu Yong-Guan	Welcome	Mo 25, 08:40	
2	Cao Jinghua	Welcome	Mo 25, 08:50	
3	Franz Gatzweiler UHWB, IUE, CAS	A Complexity- and Institutional Economics perspective on Ecological Civilisation	Mo 25, 09:00	
4	Jason Corburn (video) UC Berkeley	Introduction to urban health	Mo 25, 11:00	
5	Michael Klaus Hanns Seidel Foundation	Integrated Development of Rural Areas – Contributions to Distributive Justice, Life Quality and Ecology	Mo 25, 14:30	
6	José Lobo ASU	Cities: the Nexus for Sustainable Development, Adaptation to Climate Change and Well-Being	Tue 26, 09:00 (18:00 Phoenix)	
7	Chen Wei-Qiang IUE, CAS	Urban Metabolism and Sustainability	Tue 26, 14:00	
8	Tan Rong SPA, Zhejiang University	Ecological Civilization and the practice of Ecosystem Products in China	Wed 27, 09:00	
9	Rachel Cooper, Lancaster University and Prachi Rampuria	Creating Healthy Places – a design case study	Wed 27, 17:00 (09:00 London)	
10	Anthony Capon, Monash Sustainable Development Institute	Planetary health	Thu 28, 09:00	
11	Christian Borgemeister, ZEF Bonn	Zoonotic and vector-borne diseases in a One Health context	Thu 28, 16:00 (09:00 Bonn)	
12	Mari Vaatovaara University of Helsinki	Learning from the Nordics: Successes and Challenges of urban development	Fri 29, 15:00 (09:00 Helsinki)	
13	Manfred Denich ZEF Bonn	Bridging the gap between research and practice: Implementation research	Fri 29, 17:00 (10:00 Bonn)	

### Lectures

	Mo 25	Tue 26	Wed 27	Thu 28	Fri 29	Sat 30
AM	1, 2, 3, 4	6	8	10		Fieldtrip
PM	5	7	9	11	12, 13	