

Biographies of proposed members of the WHO Technical Advisory Group on Economics for Environment, Climate Change and Health (TAG-EconECH)

Professor Stuart Batterman

Stuart Batterman is Professor of Environmental Health Sciences and Global Public Health at the School of Public Health, and Professor of Civil and Water Resources Engineering at the College of Engineering, at the University of Michigan at Ann Arbor in the United States of America. Professor Batterman's areas of expertise include environmental and occupational health and engineering, ambient and indoor air quality, water quality, environmental economics, environmental impact assessment, exposure and risk assessment, cost-benefit analysis, and life cycle assessment. Professor Batterman has a Bachelor's degree in Environmental Science, a Master's degree in Civil and Environmental Engineering, and a PhD in Civil and Environmental Engineering. Professor Batterman was the recipient of the Ecology Center's Excellence in Community Service award in 2000, Fulbright Awards to Portugal in 2011 and 2020, and the National Institute of Health Director's Transformative Research Award in 2021. In 2016, Professor Batterman became an Honorary Professor at the University of KwaZulu Natal, South Africa.

Professor Laura Bojke

Laura Bojke is Professor of Health Economics at the Centre for Health Economics at the University of York in the United Kingdom of Great Britain and Northern Ireland. Professor Bojke's areas of expertise include health economics, evidence synthesis, health inequalities, and public health. Professor Bojke has a Bachelor's degree in Business Economics, a Master's degree in Health Economics, and a PhD in Economics. Professor Bojke is a co-investigator on the BiB Breathes project funded by the National Institute for Health Research and previously worked with the Sustainable Development Unit of the National Health Service of the United Kingdom of Great Britain and Northern Ireland to inform carbon footprint costings for integration into technology appraisal processes in the service.

Professor Joan Costa-Font

Joan Costa-Font is Professor of Health Economics at the London School of Economics and Political Science in the United Kingdom of Great Britain and Northern Ireland. Professor Costa-Font is Team Leader of the Ageing and Behavioural Incentive Lab and an Affiliate of the International Inequalities Institute. Professor Costa-Font's areas of expertise include health behaviours, vaccination, long-term care, ageing, and health care use. Professor Costa-Font has Bachelor's degrees in Politics and Sociology, Law, and Economics; Master's degrees in Economics and International Health Policy; and a PhD in Economics. Professor Costa-Font's previous experience includes working as a Consultant for WHO and the World Bank. Professor Costa-Font received the Brian Abel Smith Award in 2000, a Marie Curie Fellowship in 2001-2003, and a Harkness Fellowship in 2012.

Dr Laure de Preux

Laure de Preux is an Assistant Professor (Lecturer) of Economics in the Department of Economics and Public Policy at Imperial College London Business School in the United Kingdom of Great Britain and Northern Ireland. Dr de Preux's areas of expertise include health and environmental economics, including determinants of health, environmental policies, co-benefits, and environmental justice. Dr de Preux has Master's degrees in Business and Economics, and a PhD in Economics. Among others, Dr de Preux previously held a Fellowship from the British Academy to investigate the impact of weather extremes on health. Dr de Preux is currently a Member of the Clean Air Programme 'A Clean Air Community' organised by UK Research and Innovation, the Met Office and the National Physical Laboratory and the COMEAP/QUARK ad-hoc group on economic valuation of morbidity related to air pollution of the UK Health Security Agency. Dr de Preux has previously worked as a Consultant for WHO and the European Bank for Reconstruction and Development. Dr de Preux was awarded the Erik Kempe Award in Environmental and Resource Economics in 2015 (awarded every other year to the best paper in the field of environmental and resource economics) and Imperial College London's Teaching Excellence Awards in 2017 and 2018.

Professor Olivier Deschenes

Olivier Deschenes is Professor of Economics at the University of California Santa Barbara in the United States of America, with affiliation with the Bren School of Environmental Science and Management. Professor Deschenes's areas of expertise include the benefits and costs associated with policies that improve environmental quality, the impacts of climate change and climate change adaptation on human health and economic productivity, and the economic, environmental, and equity consequences of the low-carbon transition. Professor Deschenes is a Research Associate at the National Bureau of Economic Research and a Research Fellow at the Institute for the Study of Labor (IZA). Professor Deschenes has a Bachelor's degree in Economics, a Master's degree in Economics and a PhD in Economics.

Professor Eli Fenichel

Eli Fenichel is the Knobloch Family Professor of Natural Resource Economics at School of the Environment at Yale University in the United States of America. Professor Fenichel's areas of expertise include natural resource and environmental economics, economic epidemiology, environmental valuation, natural capital, sustainable development, and ecological-economic dynamics. Professor Fenichel has a Bachelor's degree in Wildlife Ecology, a Master's degree in Agricultural Economics, and a PhD in Fisheries and Wildlife with a specialization in Resource and Environmental Economics. Professor Fenichel is a former Assistant Director at the White House Office of Science and Technology Policy and has served on the boards of many interdisciplinary research institutes and centers. Professor Fenichel has advised the United Nations Statistics Division and the World Bank. Professor Fenichel was awarded the best paper by the theory section of the Ecological Society of America in 2020 and a Smart Prosperity Initiative Global Fellow in 2019-2020. Professor Fenichel's research on healthcare labor supply and childcare demand has been cited by the U.S. Senate, and Professor Fenichel's research on valuing natural capital was featured in the Dasgupta Review on the Economics of Biodiversity.

Professor Martin Hensher

Martin Hensher is the Henry Baldwin Professorial Research Fellow in Health Systems Sustainability at Menzies Institute for Medical Research at the University of Tasmania in Australia. Professor Hensher's areas of expertise include health economics, ecological economics, climate change mitigation and adaptation for healthcare systems, the future of healthcare in a post-growth economy, and overconsumption and diminishing marginal returns in healthcare. Professor Hensher has a Bachelor's degree in Philosophy, Politics, and Economics, a Master's degree in Health Planning and Financing, and a PhD in Economics. Professor Hensher has previously worked as a health economist for the London Health Economics Consortium at the London School of Hygiene & Tropical Medicine; was the European Union Consultant in Health Economics based in the South African National Department of Health; and was Senior Economic Adviser in the Department of Health England. Professor Hensher also spent seven years as a Director in the Tasmanian Department of Health. Professor Hensher is currently Chair of Working Group 4 (Health System Transformation) of the *Lancet Commission on Sustainable Healthcare*.

Dr Yuvaraj Krishnamoorthy

Yuvaraj Krishnamoorthy is Assistant Professor in Community Medicine at ESIC Medical College and Hospital in India. Dr Krishnamoorthy's areas of expertise include health economics, evidence synthesis, and public health. Dr Krishnamoorthy has a Bachelor's degree in Medicine, a Bachelor's degree in Surgery, and a Doctor of Medicine degree in Community Medicine. In 2022, Dr Krishnamoorthy was the recipient of the Emerging Voices for Global Health fellowship and the India Health Policy and System Research Fellowship. In 2023, Dr Krishnamoorthy received the Foundation for Advancement of International Medical Education and Research Fellowship and the Epidemiology Foundation of India's Young Scientist Award. Also in 2023, Dr Krishnamoorthy was an external expert member reviewing health economic proposals for the 36th Technical Appraisal Committee Meeting at the Department of Health Research, Ministry of Health and Family Welfare, India.

Dr Ashar Malik

Ashar Malik is Assistant Professor in Community Health Sciences at the Aga Khan University in Pakistan. Dr Malik's areas of expertise include economic evaluation of health programs, impact evaluation of health reforms, designing and conducting population health surveys, analysis of equity using survey data, and big data analysis. Dr Malik has a Bachelor's degree in Economics and Statistics, Master's degrees in Economics and Health Economics, and a PhD in Health Economics and Policy. Dr Malik has previously worked as a Healthcare Financing Expert in the Health Policy Unit of the Ministry of Health, Pakistan. In 2015, Dr Malik received the Faculty Development Award and, in 2017, Dr Malik was recognized as being among the top-ten researchers at Aga Khan University.

Professor Hiroaki Matsuura

Hiroaki Matsuura is Provost and Vice President for Academic Affairs and Professor of Health Economics and Demography at Shoin University in Japan. Professor Matsuura's areas of expertise include health economics, demography, and the roles of human rights and distributive justice in health, economic, and environmental resource allocation. Professor Matsuura has two Master's degrees in the field of civil and

environmental engineering and social sciences and a Doctor of Science degree in Global Health and Population. Professor Matsuura is an elected member of the World Committee on Tourism Ethics under the aegis of the United Nations World Tourism Organization. Professor Matsuura is currently editor-in-chief of the academic journal *Biodemography and Social Biology* as well as associate editor/international advisor for *Demographic Research*, *International Journal of Social Welfare*, and *Sociology of Health and Illness*. Professor Matsuura's previous work has included working for the United Nations Development Programme, the United Nations Population Fund, the United Nations University World Institute for Development Economics Research, the World Tourism Organization, and the World Food Programme.

Dr Bernadette O'Hare

Bernadette O'Hare is Senior Lecturer in Global Health and Deputy Head of the Division of Infection and Global Health at the University of St Andrews in the United Kingdom of Great Britain and Northern Ireland. Dr O'Hare's areas of expertise include taxation, public financing, and government revenue and the right to the determinants of health. Dr O'Hare has Bachelor's degrees in Medicine, Surgery, and Obstetrics; Diplomas in Child Health, Obstetrics and Gynaecology, and in Tropical Medicine and Hygiene; and a Master's degree in Public Health. Dr O'Hare is a Member of the Royal College of Physicians of Edinburgh, and a Fellow of the Royal College of Paediatrics and Child Health of London. Dr O'Hare founded and co-leads the Government Revenue and Development Estimations (GRADE) project.