

Contributors

Weslynn Ashton is an assistant professor of environmental management and sustainability at the Illinois Institute of Technology, US. Her research focuses on industrial ecology, industrial symbiosis and collaborative approaches to sustainability, and sustainable economic development in emerging economies. Originally from Trinidad and Tobago, she holds an SB degree in Environmental Engineering from MIT and a PhD from Yale University.

Leo Baas, PhD, is an expert in cleaner production and industrial ecology concepts. He is Emeritus Professor Industrial Ecology at Linköping University, Sweden, and staff member of the International Off-Campus PhD Programme in Cleaner Production, Cleaner Products, Industrial Ecology and Sustainability at Erasmus University Rotterdam, the Netherlands.

Henrikke Baumann is an associate professor of Environmental Systems Analysis, Chalmers University of Technology, Sweden, who teaches methods of life cycle assessment and environmental management. Her research centres on methodology development in the field of industrial ecology – she explores socio-material combinations of quantitative environmental flow studies with qualitative organizational studies in the context of product chains and urban environmental flows.

Jun Bi is a professor in the School of Environment at Nanjing University, China. With a background in environmental policy, planning and management, he has research, study and teaching experience at several universities in Asia and North America.

Frank Boons was appointed Professor of Innovation and Sustainability at the Sustainable Consumption Institute, University of Manchester, UK, January 2015, following several years as Associate Professor of Public Administration at Erasmus University Rotterdam.

Robin Branson has been arranging bilateral industrial symbiosis in Australia since 1989. He has a PhD on the topic from Sydney University (2011), an MBA from the University of New South Wales and a BSc (Hons) Civil Engineering from Imperial College, London. Drawing on his highly varied

career, Robin's interests focus on applied industrial symbiosis and on industrial ecology education.

Sabrina Brulot is a teacher-researcher and works on industrial ecology in a multidisciplinary way. Her research interests relate to the following themes: social and human aspects of industrial ecology, governance, cooperation and coordination of actors, the decision-making process, and sustainable regional development.

Inês Costa is an environmental consultant for 3Drivers, focusing on sustainable resource use and waste management. She holds a PhD degree on Industrial Ecology and specializes in resource recovery and industrial symbiosis networks. She continues to collaborate on university research on IS, especially in bridging the gap between public policy and industrial implementation of this type of networks.

Chris Davis is currently a postdoctoral researcher at the Faculty of Technology, Policy and Management at the Delft University of Technology, the Netherlands, where he also received his PhD degree. His research focuses on how data analytics, open data, machine learning and agent-based modelling can aid the study of industrial ecology and industrial symbiosis.

Pauline Deutz is a senior lecturer in the Department of Geography Environment and Earth Sciences at the University of Hull, UK. With degrees in Geography from Oxford and Ohio State Universities and in Geology from the University of California Riverside, Pauline's research takes an interdisciplinary social science approach to the coordination of environmental issues with other priorities. She is the Vice President of the International Sustainable Development Research Society.

Mats Eklund is Professor in Environmental Technology and Management at Linköping University, Sweden, where he is scientific leader of the Centre of Excellence Biogas Research Centre, and carries out research into industrial symbiosis, addressing collaborative approaches to green and ground-breaking innovation.

David Gibbs is Professor of Human Geography at the University of Hull, UK. His research focuses on local and regional economic development, and he has been an expert advisor to the European Commission's DG REGIO on climate change and cohesion policy, to the OECD on green jobs, and to the Local Government Association on sustainable economic development.

Lan Hu is an independent scholar, originally from China. She completed an MSc degree at the University of North Texas, US, in 2013, and is about

to enrol on an MSc Software Engineering programme at the University of Texas at Arlington, Texas. She has research interests in geographic information systems, sustainable development and industrial ecology.

Ralf Isenmann is a professor for sustainable future management at the Munich University of Applied Sciences, Germany. His research areas are in the interface between the management of innovation and technologies on the one hand and sustainable management, industrial ecology and corporate social responsibility on the other.

Gijsbert Korevaar is an assistant professor of industrial symbiosis at the Delft University of Technology, the Netherlands. His research and teaching is about industrial ecology, sustainable chemical process engineering, circular economy business models, and eco-industrial park development. He has an MSc and PhD degree in Chemical Engineering, both from Delft University of Technology.

Yue Lei has a master's degree from the Environmental School of Nanjing University, China, majoring in environmental planning and management. Yue's research focused on local low carbon development (especially industrial parks), and also on POE (post-occupancy evaluation) of China's green building and building energy consumption. Yue now works for Dow Chemical (Zhangjiagang) as a plant engineer.

Lingxuan Liu is a social scientist who focuses on environmental policy, public participation, and political science. He received his PhD in Environmental Governance of Climate Change Issues from Nanjing University, China. He is now a lead researcher and project manager of the China team at The Sustainability Consortium at Arizona State University, US.

Peter Lowitt, FAICP, is the Director of the Devens Enterprise Commission and administers the Devens Eco-Industrial Park as part of the sustainable redevelopment of the former Fort Devens in Massachusetts, US. He is Chair of the Eco-Industrial Development/Industrial Symbiosis Section of the International Society of Industrial Ecology and Chair of the Eco-Industrial Development Council of North America.

Donald I. Lyons is Professor of Geography at University College Cork, Republic of Ireland, where has worked since 2012. Previously, he spent 20 years as Assistant and Associate Professor of Geography at the University of North Texas, Denton, Texas. His research centres on urban and economic geography, and the spatial implications of sustainable development as it relates to the concept of industrial ecology. His research has appeared in numerous leading journals.

Guillaume Massard is Founding Partner at Sofies SA (Geneva, Switzerland) and researcher at the Université de Lausanne in Switzerland. He is currently working on field projects and research on industrial ecology, and industrial and urban development in Western Europe, Asia and North Africa. Guillaume has a PhD in Environmental Science from the University of Lausanne (Switzerland) and a master's degree in Environmental Engineering from the Swiss Federal Institute of Technology (EPFL).

Phil McManus has an educational background in urban planning (Curtin, Australia), environmental studies (York, Canada) and geography (Bristol, UK). He is Professor of Urban and Environmental Geography and Head of the School of Geosciences at the University of Sydney, Australia. His research interests include environmental management and urban sustainability.

Olawale Emmanuel Olayide is a research fellow in the Centre for Sustainable Development, University of Ibadan, Nigeria. He holds a PhD in Agricultural Economics from the University of Ibadan, Nigeria. His research interests include agricultural production and food security, industrial ecology, governance and gender. Olawale is a board member of the International Sustainable Development Society and is a member of the editorial team of the *African Journal of Sustainable Development*.

Jerry Patchell is associate professor of social science at the Hong Kong University of Science and Technology. His research examines the mechanisms and structures of cooperation among firms and institutions to explain production and regional economic systems. He has explored these systems in the robotics, electric vehicle, housing, wine, fisheries and ski industries, usually with regard to sustainability. His current research focuses on oligopoly as a global climate governance platform.

Murray Rice is Associate Professor of Geography at the University of North Texas, US. His research focuses on metropolitan corporate development and entrepreneurship, including interests in infrastructure and material flows. His research also addresses the intersection of businesses and regional change, focusing on the impact of retail development on urban communities. He holds a BE in Engineering Physics and an MA and PhD in Geography from the University of Saskatchewan in Saskatoon.

Elena Romero Arozamena is an industrial engineer and holds her PhD from the University of Cantabria, Spain. Since 2011 she has been an assistant professor of the Department of Transport and Projects Technology and Processes at the University of Cantabria. Her area of work is complex

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Carmen Ruiz Puente is an associate professor of engineering and industrial ecology at the University of Cantabria, Spain. She has a degree and a PhD in Industrial Engineering. Her research interests include industrial symbiosis and the modelling of industrial ecosystems with a focus on the socio-technically systemic thinking and complexity. She has been a visiting researcher at the Universities of Cambridge (UK, 2013) and Cincinnati (USA, 1998) and at the Instituto de Catálisis y Petroquímica (Argentina, 1995).

Megha Shenoy is an independent consultant in India working on sustainability research, scientific editing and infographics. The recommendations of the research she led at the Resource Optimization Initiative, India, have been implemented to optimize resource flows in a range of industrial contexts. She completed a postdoctoral fellowship at the Center for Industrial Ecology, at Yale University, USA, following an Integrated PhD programme at the Indian Institute of Science, Bangalore.

Wouter Spekkink is a postdoctoral researcher at Delft University of Technology, the Netherlands, working on an EU-funded project on the role of bottom-up sustainability initiatives in the diffusion of green lifestyles. Before starting in this position, Wouter did his PhD research at Erasmus University in Rotterdam. He wrote his PhD thesis on the process through which communities of governments, firms, knowledge institutes and other relevant actors build up the capacity to collaborate on industrial symbiosis.

Bart van Hoof is a Dutch industrial ecologist with strong roots in Latin America. He is an associate professor at the Universidad de Los Andes School of Management, Colombia. His academic work studies management for change in supply networks and regional industrial systems networks in emerging markets, mainly Colombia and Mexico. Bart has a PhD from Erasmus University, Rotterdam.

Veerle Verguts works as a coordinator of scientific research at the Manure Policy Unit of the Division for Rural Development and Manure Policy of the Flemish Land Agency. At the time of writing this chapter, Veerle worked as a scientific researcher at the Social Sciences Unit of the Institute for Agricultural and Fisheries Research (ILVO).

Haikun Wang is an associate professor in the School of Environment at Nanjing University, China. He received his PhD at Tsinghua University in 2010. His research focuses on energy consumption and related impacts on

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Qiaozhi Wang is a lecturer of human geography in the School of Resource and Environmental Engineering at the Wuhan University of Science and Technology, China. She has a PhD from the University of Hull, UK. Her research interest is eco-industrial development and knowledge transfer in collaborations.

Bing Zhang is a professor in the School of Environment and School of Government at Nanjing University, China and Director of the Centre for Environmental Management and Policy Analysis (supported by Nanjing University and Jiangsu Environmental Protection Department). He holds a doctorate in Environmental Planning and Management from Nanjing and Rutgers University. His research examines the social, political and legal contexts shaping environmental governance in China.