

IALE Scientific Advisory Board (SAB) Members

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Dr. Matthias Bürgi is interested in the historical dynamics of the interdependence of society and the environment and how this is expressed in changes to ecosystems and landscapes. He is head of the Land Change Science research unit at the Swiss Federal Research Institute WSL in Birmensdorf, Switzerland, and teaches "Landscape History" at the Department of Geography at the University of Bern, Switzerland. Website: www.wsl.ch/de/mitarbeitende/buergim/

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Dr. Graeme Cumming is a Professor and Premier's Science Fellow at the Oceans Institute of the University of Western Australia. He has a wide range of interests, centering around understanding spatial aspects of ecology and the relevance of broad-scale pattern-process dynamics for ecosystem (and social-ecological system) function and resilience. Graeme's current research focus is on understanding the geography and sustainability of protected areas (broadly defined) and the ecosystem services they support. Website: www.research-repository.uwa.edu.au/en/persons/graeme-cumming

Cristian Echeverria Universidad de Concepción, Chile



Cristian Echeverria is a forest engineer with a Master of Science degree from the Universidad Austral de Chile and a Master in Philosophy and Ph.D. from the University of Cambridge, UK. He is currently a full professor at the Faculty of Forestry Sciences, Universidad de Concepción. He is director of the Landscape Ecology Laboratory and is also director of the

institutional project Campus Naturaleza at the Universidad de Concepción. He was co-founder and president of IALE Chile, and currently is vice-president of IALE global. His research focuses on landscape sustainability, quantification and mapping of ecosystem services, conservation planning, biodiversity conservation, and ecosystem and landscape restoration. He is an associate editor for Landscape Ecology Journal and editor for Springer Landscape Series. He is a member of IUCN Species Survival Commission Tree Specialists and advisor for multiple government policies of environmental importance. Website: www.lep.udec.cl/

Joern Fischer Leuphana University, Germany



Dr. Joern Fischer is professor of 'sustainable landscapes' at Leuphana University of Lüneburg, Germany. He has worked in and led interdisciplinary projects on landscape sustainability in Australia, Europe and Africa. He has a background in ecology, but most of his present work is grounded in social-ecological systems theory. Website: www.leuphana.de/en/institutes/sesi/team/joern-fischer.html

Monica G. Turner University of Wisconsin-Madison, USA



Dr. Monica G. Turner is the Eugene P. Odum Professor of Ecology and a Vilas Research Professor in the Department of Integrative Biology, University of Wisconsin-Madison. Her research emphasizes causes and consequences of spatial heterogeneity in ecological systems, focusing primarily on ecosystem and landscape ecology. She has studied fire, vegetation dynamics, nutrient cycling, bark beetle outbreaks, and climate change in Greater Yellowstone for over 25 years, including long-term research on the 1988 Yellowstone fires. She also studies abrupt change in ecological systems, land-water interactions in Wisconsin landscapes, and spatial dynamics of ecosystem services. She has published ~ 250 scientific papers and

authored or edited six books. She earned her BS in Biology from Fordham University and her PhD in Ecology from the University of Georgia. Turner is a past-president of the Ecological Society of America (ESA), a recipient of ESA's Robert H. MacArthur Award, and a member of the National Academy of Sciences. Website: www.turnerlab.ibio.wisc.edu/

Kimberly A. With Kansas State University, USA



Dr. Kimberly With is a Professor in the Division of Biology at Kansas State University, where she teaches a graduate course in landscape ecology and an upper-level undergraduate course in conservation biology. Her research has largely focused on understanding how habitat loss, fragmentation and land-use practices affect population and landscape connectivity, species extinction risk, invasive spread, species interactions and community structure, using a combination of theoretical modelling, experimental, and field-based approaches. She is the current President of IALE-North America and has previously been recognized by this regional chapter as a Distinguished Landscape Ecologist (2016) and with two Outstanding Paper Awards (1996, 2002) for her research contributions to the field. She is also the author of the textbook, Principles of Landscape Ecology, published by Oxford University Press (2019). Website: www.withlab.weebly.com/

Jianguo (Jingle) Wu Arizona State University, USA



Dr. Jianguo (Jingle) Wu is Dean's Distinguished Professor of Landscape Ecology and Sustainability Science in School of Life Sciences and School of Sustainability, Arizona State University. His research areas include landscape ecology, urban ecology, and landscape sustainability science (www.scholar.google.com/citations?user=tDmLtlUAAAAJ&hl=en). He has been the Editor-in-Chief of Landscape Ecology & Sustainability Lab (LESL) www.l eml.asu.edu/jingle/index.html.

excursion to Jatraprasad watchtower was arranged and the participants thoroughly embraced the view of the forest wilderness, the naturalscape, and the rivulets naturally flowing through the Gorumara National Park. The conference concluded on the note that IRALE, through such conference, would focus on specific landscapes through activating landscape-specific working groups. Also, a convergence of ideas and actions can be taken up as pilot demonstration projects, involving all

stakeholders. As an organization, IRALE has passed quite a few milestones and this year, in addition to the conference, it has launched the 'Avinandan Landscape Ornithology Award' to support research, training/awareness and community-based conservation related to birds and their habitats. It was decided that the conference should rotate across India, and accordingly, the 2025 IRALE Conference would possibly be located in Central India, in collaboration with partners and stakeholders.

News from IALE-Spain

IALE-España together with IALE-Portugal has regularly organized the Iberian IALE meeting every two years since 2016. The VI Conference on Landscape Ecology under the theme Iberian landscapes, separate but concordant. Beyond the cross-border approach will take place in Bragança (Portugal), 19-21 June. More information at www.apep.pt/eventos-e-formacoes/vi_ciep2024/.

The Landscape Ecology Collection Landscape Ecology and Landscape Approaches in the Iberian context: challenges, opportunities and future prospects is almost ready, and all articles are already available online (www.link.springer.com/collections/gcfbgdeeca). It has had a remarkable participation, with contributions that provide an overview of the main lines of research regarding the particular characteristics and problems of this territory.



Landscape in northern Spain - Photo credit Antonio Gómez Sal



News from IALE-UK

ialeUK had a busy and varied year in 2023. Building on the experience of trying to keep the landscape ecology community together during the Covid pandemic, our Landscape Connections (www.iale.uk/landscape-connections) series of webinars has continued to provide a focused but informal venue for sharing knowledge, ideas and updates in the field of landscape ecology

(recording available via the link above). Our annual meeting took a hybrid form, with the annual Bunce Lecture given online by Teresa Pinto-Correia, presenting a European perspective on agroforestry, followed by a panel discussion with experts from across Great Britain. The following day ialeUK members and guests attended a field visit to an agroforestry project.

Continuing the tree focus, postgraduate and early career members enjoyed an in-person field workshop on woodland creation and tree planting in Wales. Reports from these and other events are included in our Newsletters (www.iale.uk/newsletter) alongside regular features such as 'a day in the life' which highlights landscape ecology careers.



IALE-UK Post-graduate field trip! Photo credit: Caitlin Lewis

Update from working groups

“Urban and peri-urban governance” Working group notable publication:
www.sciencedirect.com/science/article/pii/S0264837723003150

The paper by Janina Kleeman, Berenike Struve, Marcin Spyra entitled "Conflicts in urban peripheries in Europe" provides some insights about how to mitigate conflicts in urban peripheries. As we know, conflict solving stands in the middle of any governance and planning activities / processes, related not only to urban, but also peri-urban and non-androgenized landscapes. Conflict mitigation is particularly important now, in the times of strong societal polarization.



Notable Publications

Here is the latest publication from the team of the Center for responsible use of natural resources of the Institute of Geography of the Russian Academy of Sciences, headed by Dr. Evgeny A. Shvarts.

The IALE China chapter has been very busy publishing! For a summary of these books and papers, click [here](#). The publications include:

- Landscape Ecology Discipline Roadmap, Edited by Jian Peng.
- Yu, Z., Yang, G., Lin, T., Zhao, B., Xu, Y., Yao, X., ... & Jiang, B. (2024). Exposure ecology drives a unified understanding of nexus of natural ecosystem, exposure and health. *Ecosystem Health and Sustainability*.

DOI: 10.34133/ehs.0165

- Chen, B., Kong, F., Meadows, M. E., Pan, H., Zhu, A. X., Chen, L., ... & Yang, L. (2024). The evolution of social-ecological system interactions and their impact on the urban thermal environment. *npj Urban Sustainability*, 4(1), 3.
- Zhong, J., Liang, C., Zhao, Y., Wang, Y., & Yan, X. (2024). Identifying loss threshold and migration trajectory in the management of Suaeda salsa wetland under coastal squeeze. *Marine Environmental Research*, 194, 106329.
- Li, X., Zhang, N., Zhang, A., Tang, J., Li, Z., & Nie, Z. (2024). Changes in grassland vegetation based on spatiotemporal

variation in vegetation growth and spatial configuration dynamics of bare lands. *Ecological Informatics*, 80, 102473.

- Zhang, N., Li, Z., Feng, Y., Li, X., & Tang, J. (2023). Development and application of a vegetation degradation classification approach for the temperate grasslands of northern China. *Ecological Indicators*, 154, 110857.
- Feng, C., Zhang, N., Habiakare, T., & Yu, H. (2023). Development of a cellular automata-based distributed hydrological model for simulating urban surface runoff. *Journal of Hydrology*, 627, 130348.



The IALE Bulletin is distributed several times a year to the members of IALE. IALE - the International Association for Landscape Ecology was founded in 1982 to promote communication between scientists, planners and interdisciplinary scientific research.

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www.landscape-ecology.org

Bulletin Deadline

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