



# iale BULLETIN

INTERNATIONAL ASSOCIATION FOR LANDSCAPE ECOLOGY

## Dear IALE Community,

By the time you read this Bulletin, two major IALE conferences will have taken place: the European Landscape Ecology Congress 2022 and the IALE-North American Annual Meeting. Unfortunately, both meetings took place online again - despite initially different plans. I guess we all got used to such online exchanges and platforms to share our results and discuss landscape ecology topics. However, we are all eagerly awaiting face-to-face meetings - I am looking forward with high expectations to the next IALE World Congress in Nairobi 2023!

The IALE World will also be able to celebrate its 40th birthday! Looking back at the founding period of IALE is fascinating: no emails and online meetings, instead machine-typed documents and a community that regularly meets at international conferences. This foundational phase 40 years ago will be the focus in our next Bulletin. It took place on

29 October 1982 at the VIth International Symposium on Problems of Landscape Ecological Research in Piestany (then Czechoslovakia, now Slovakia). The very first Bulletin described the founding of IALE in colourful words: "Conceived in Veldhoven, the Netherlands (1981), born in Bratislava, Czechoslovakia (1982), its first cry now (1983) goes over the world via this little pamphlet".

We are currently collecting documents and memories from the founding phase of IALE and would be happy to receive pieces of your memories - please contact us at [info@landscape-ecology.org](mailto:info@landscape-ecology.org)

Even as we celebrate our history, we must take the time to mourn the passing of a founding member. A strong voice of landscape ecology died this April: Bob Bunce passed away on 23 April 2022. He was a founding member of ialeUK and President of IALE World from 2003 to

2007. In the December 2003 Bulletin he outlined his priorities as IALE President: the application of landscape ecology concepts to policy issues, the support of young scientist at all levels of IALE and he encouraged more IALE publications. IALE and the landscape ecology community have made progress on these topics but must continue to persevere. An enduring credit to Bob is his contribution to the UK Countryside Survey - embedding in its methodology central landscape ecology principles: environmental stratification and statistical sampling. Read more about his work in this Bulletin.

Moreover, this Bulletin once again gathers some news relevant to IALE and landscape ecology.

Enjoy reading!

*Bastian Steinhoff-Knopp*  
IALE Communication Officer

## To the Landscape Ecologists of the World:

We are incredibly excited to invite everyone to Nairobi for our 2023 World Congress! Whether you are a long-time member of the International Association for Landscape Ecology (IALE) or you were invited to give a talk or you are simply passionate about landscapes and landscape change, all are welcome to learn and to connect and to share with us. As the pace and scale of global change continues to accelerate, the world needs landscape ecology more than ever. We are proud of our history bridging disciplines, seeking applied solutions, and connecting scientists and practitioners from across the globe. Our host committee and host city epitomize this commitment. Africa generally, and Kenya specifically, contain some of the most

diverse landscapes in the world and truly represent our shared future with global changes expressed as local management challenges. No longer can we consider our landscapes - and their management needs, including for food security, biodiversity, and climate mitigation - as independent or isolated problems. All are connected by our global culture, economy, and climate. Therefore we need to learn and respond as a global community. Our solutions and adaptations must be global as well. Please join us for

this exciting exchange of energy and information and reward yourself with the opportunity to explore and witness the incredible landscapes that Kenya provides!

*Rob Scheller*  
IALE World President



## Bob Bunce, 1940-2022

**Authors: Geoffrey Griffiths, David Howard, Marc Metzger (ialeUK)**

We are sad to announce that Professor RGH Bunce ('Bob'), a founding member of ialeUK, died at Furness General Hospital on 23 April 2022.

Bob was born in Dorset and educated at Wellington School before taking a degree at the University College of North Wales, Bangor in 1962 to study botany. A Doctorate on the ecology of Ysgolun Duon (The Black Ladders) of Cadair Idris (Gwynedd) combined Bob's interest in mountain ecology and rock climbing that never left him. In 1966 he joined the Nature Conservancy (NC) at Merlewood near Grange-over-Sands in Cumbria. Bob remained in and loved this beautiful corner of NW England for the rest of his life, a feeling eloquently expressed in an article Bob wrote for the ialeUK Newsletter in 2017 (<https://iale.uk/biodiversity-dry-stone-wall>).

One of Bob's many lasting legacies will be the Countryside Survey (CS), the first of which was completed in 1978; it is still running today. The origins of the CS emerged from the decision at the NC to undertake a woodland classification of Great Britain, with the first test of the method in the Lake District in 1969. This became the basis for the Great Britain Woodland Survey in 1971 (now being repeated for the third time in 2020-2022, funded by the Woodland Trust). When the NC was split in 1974, Bob joined the Natural Environment Research Council (NERC) as part of the Institute of Terrestrial Ecology (ITE). It was here that the then Director of ITE, Martin Holgate, asked Bob to survey the vegetation of Great Britain which eventually emerged as the first CS in 1978. A significant element of the success of the CS was based on an understanding of two critically important principles: methods of environmental stratification (later the 'ITE Land Classes') and statistical sampling. CS benefitted from the advent of modern computing in the late 60s and Bob enthusiastically combined his considerable interest and understanding of statistics/sampling with digital computing, even if some of the early punch cards were used on occasions as 'confetti' for staff weddings! Many of Bob's friends and colleagues will have first been introduced to Bob at ialeUK conferences and meetings, introductions that often kindled a lifetime of teaching and



Credits: Marc Metzger

research in landscape ecology. Whilst Bob was never backward in pointing out the deficiencies of, for example, the research design of a project this was always done with consideration and thought that helped to motivate rather than discourage. Sometimes it could be disquieting. At one meeting Bob famously pointed out after much muttering and hasty scribbles on a piece of paper, that the researcher appeared to have surveyed the major roads of Scotland rather than the actual distribution of the plant community of interest! Many of us have benefited enormously from the enhanced understanding that came from this unfailingly critical but fair-minded scrutiny. More generally, through the pages of *The Guardian* which he read daily without fail and *Private Eye*, Bob applied this critical scrutiny and fair-mindedness to the wider world, where he would rail against the stupidity of political decisions that appeared to have no basis of evidence or resemblance to actual conditions on the ground. Many of us will remember the conference in Manchester to celebrate 25 years of ialeUK at which Bob reflected how pleased he was that ialeUK provided an encouraging and supportive network for early career researchers that almost always also included a memorable social event (<https://iale.uk/conversation-bob-bunce-founding-member-ialeuk>). The founding meeting of the UK

chapter of the International Association for Landscape Ecology (IALE) was at the University of Nottingham in 1992, convened by one of Bob's close colleagues and friends, Professor Roy Haines-Young. The general theme of 'Landscape Ecology in Britain' set the scene for the annual conference of ialeUK on a range of themes including cultural landscapes, trees & woodlands, avifauna, ecosystem services, freshwater and marine environments, among others. Bob was one of the founding members of ialeUK going on to become chair for many years and helping to shape the structure of what remains a thriving and influential organisation to this day. He went on to become President of International IALE (2003 - 2007) at their international meeting in Wageningen, The Netherlands. Bob remained a fellow of the Centre for Ecology & Hydrology (CEH) after his retirement in 2000, becoming a Senior Researcher working with his close friend and colleague, Rob Jongman, at the research institute Alterra in Wageningen. He followed this with a teaching and research appointment as Professor of Environmental

„In conversation with Bob Bunce the day after ialeUK 2018 Conference in Grange-Over-Sands.



Credits: Marc Metzger

## IALE-Chile invites applications to the “Fieldwork training in landscapes of temperate forests: A trip to learn to share what and how we see”.

**Authors: IALE Chile**

The fieldwork training organized by IALE-Chile is oriented to national and international postgraduate students, and it will cover a gradient of landscapes of Southern Chile. The event covers 3 days of activities, visiting coastal landscapes, agricultural and forestry landscapes, and touristic and conservation landscapes. 20 IALE members will be selected to participate based on an application process. During the fieldwork, transportation, accommodation, and meals will be covered by IALE-Chile, thanks to IALE World funding. However, the participants must have the capacity to arrive in Chile

on their own. Selected applicants must confirm their participation by paying a refundable fee. The event will take place in Temuco during the last week of September (fieldwork in Spanish). The exact days will be confirmed during the coming weeks. The fieldwork will be supported by senior researchers covering the following topics: 1) Patterns and processes in coastal, agricultural, forestry, and conservation landscapes, 2) Techniques to evaluate landscapes in the field: UAV, Validation of Satellite Imagery, 3) Ecosystem services flow, supply and demand, and 4) Biodiversity in natural and anthropogenic landscapes.

## Collaborations between IALE-Chile and IALE-Colombia

**Authors: IALE Chile**

Dra. Dolors Armenteras, IALE-Colombia President and IALE Vicepresident, visited Chile for 10 days to participate in research about landscapes affected by Megafires and their change over time. Invited by Dr Francisco de la Barrera and his research team, they travelled through a long gradient of burned landscapes to learn and explore future directions for research on the socio-ecological processes and patterns of wildfires in Latin America and the Global South. The visit included workdays at the Universidad de Concepcion to share with IALE-Chile members, co-researchers of De la Barrera Lab, and postgraduate students, offering the master class “Megafires in Amazonia” and having meetings.

The conclusion of the visit came up with a common understanding that landscapes of Latin America have particularities that require new and own approaches of research and management. In this direction, it is key to strengthen the collaboration among researchers and associative training for students in the Global South.



## IALE-Chile President becomes regional deputy on Environment

Authors: IALE Chile

Sonia Reyes, IALE-Chile President was nominated by the recently elected Chilean president as regional deputy of environmental issues in Santiago Metropolitan Region. Dr. Reyes-Packe will have the mission of leading the implementation of new climate change law, new ecological planning perspectives, and biodiversity protection actions among many other tasks. The nomination represents an acknowledgement of her excellent trajectory as a researcher and activist, including her involvement in the creation of the IALE chapter in Chile, as well as other links between science and social movements.



## Special Issue, „Landscape Management Impact on Biodiversity and Ecosystem Services” in sustainability

Author: Irene Petrosillo, IALE Italy

*Dear Colleagues,*

The need to develop scientific landscape management strategies to achieve the goal of sustainable development is widely known. However, the spatial identification of functional zones remains to be studied, where testing the suitability of alternative landscape management schemes in preserving biodiversity and ecosystem services.

In the context of climate change, there is widespread knowledge that biodiversity

conservation and, when necessary, restoration are both required to maintain the supply of ecosystem services. The conservation of biodiversity and ecosystem services is of great significance from the perspective of sustainability, given that the effects of climate change on ecosystems can result in changes to landscape productivity, a vulnerability to biological invasions, as well as benefits for human well-being provided by natural ecosystems.

The scope of this Special Issue in the journal sustainability (MDPI) is to collect assessment methods, landscape metrics, and suitable indicators that can help to differentiate between different management strategies in terms of biodiversity and ecosystem services' conservation enhancement. Find more information [here](#).



*sustainability*

an Open Access Journal by MDPI

IMPACT  
FACTOR  
3.251

CITESCORE  
3.9  
SCOPUS

Landscape Management Impact on  
Biodiversity and Ecosystem Services

**Guest Editor**

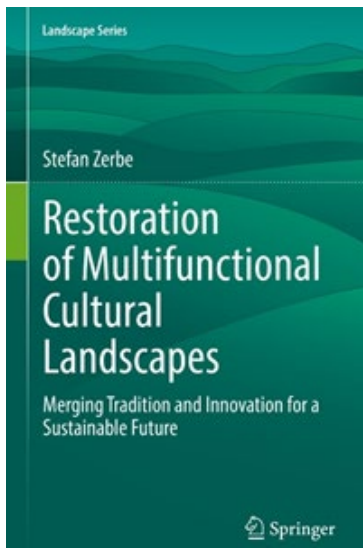
Dr. Irene Petrosillo

**Deadline**

31 July 2023

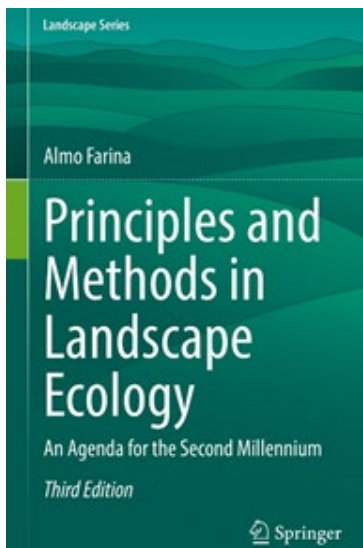
Special issue

## New publications in the Springer Landscape Series



### Zerbe, Stefan Restoration of Multifunctional Cultural Landscapes

- Timely topic in the light of UN Decade on Ecosystem Restoration
- Comprehensively addresses traditional cultural landscapes and innovative land development strategies
- Includes examples from all continents emphasizing broad international perspective



### Farina, Almo Principles and Methods in Landscape Ecology

- Describes the major paradigmatic contributions to landscape science
- Expands on earlier editions introducing new concepts and innovative managing procedures
- Collects theories, models, and perspectives inspired by different sciences



### Wiersma, Yolanda F. Experimental Landscape Ecology

- First book specific to the discipline of Landscape Ecology dealing explicitly with the issue of experimentation
- Includes annotated 'resources' section, detailing software packages, tools and techniques and further reading
- Illustrated with examples from different systems around the world

## New Impact Factor for Land

Authors: IALE Diversity and Inclusion (D&I) Committee | Approved by the IALE Executive Committee on 11.03.2022

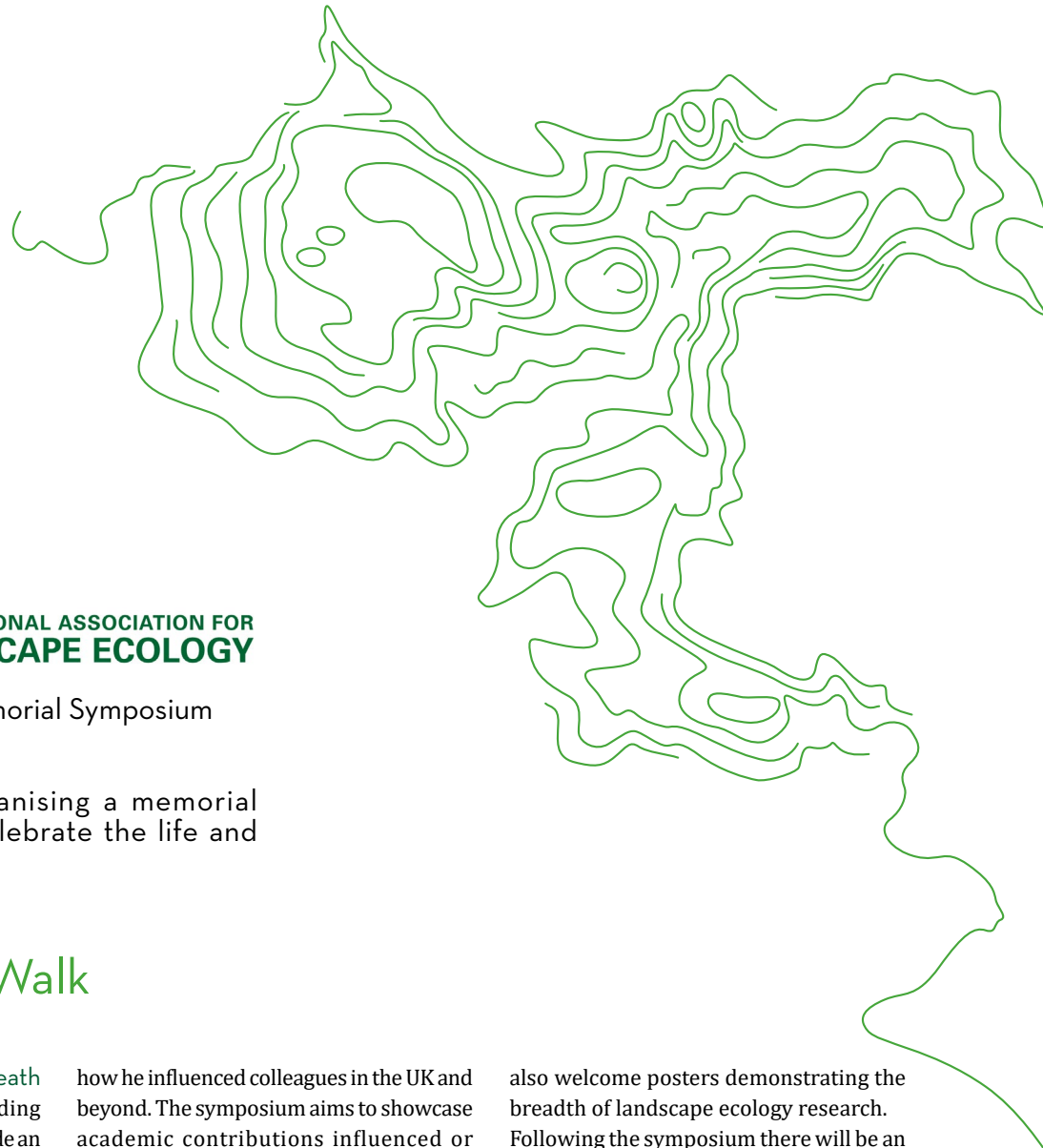
The IALE affiliated open access journal *Land* has received a new impact factor. According to the Journal Citation Reports<sup>®</sup> in June 2022, the Impact Factor of *Land* is now 3.905. IALE congratulates the editorial board for their successful work in developing a journal on landscape ecological themes.

*Land* (ISSN 2073-445X) is an international and cross-disciplinary, peer-reviewed, open access journal of land system science, landscape, soil–sediment–water systems, urban study, land–climate interactions, water–energy–land–food (WELF) nexus, biodiversity research and health nexus, land modelling and data processing, ecosystem services, and multifunctionality



and sustainability etc., published monthly online by MDPI.

*Land* is affiliated to the International Association for Landscape Ecology (IALE) and their members receive a discount on the article processing charges (APCs).



**ialeUK** INTERNATIONAL ASSOCIATION FOR LANDSCAPE ECOLOGY

ialeUK - UKCEH Bunce Memorial Symposium  
Authors: ialeUK

ialeUK and UKCEH are organising a memorial symposium and walk to celebrate the life and work of Prof. Bob Bunce

7. - 8. September 2022

## Symposium and Walk

We were deeply saddened by the death of our beloved colleague, and founding member of ialeUK, Bob Bunce. Bob made an outstanding contribution to the landscape ecology community throughout his long career, including the UKCEH Countryside Surveys.

ialeUK and UKCEH are organising a memorial symposium on Wednesday 7 September in Lancaster to celebrate Bob's academic contributions and remember

how he influenced colleagues in the UK and beyond. The symposium aims to showcase academic contributions influenced or inspired by Bob.

We do not have any set expectations but envision a mixture of personal reflections and presentations of past research and recent or ongoing activities, including the latest Countryside Survey and Woodland Surveys. Dr Rob Jongman has kindly agreed to give the opening address. We

also welcome posters demonstrating the breadth of landscape ecology research. Following the symposium there will be an evening meal in Grange-over-Sands and the next day (Thursday 8 September) there will be a walk from Grange over Hampsfell to Cartmel, following a route Bob has led people in the past. The activities in Grange will be organised by Bob's son David. More information, including a provisional programme on [iale.uk](http://iale.uk).

## Upcoming IALE Conference



IALE - NORTH AMERICA

11-23 March 2023

*IALE-North American Annual Meeting*

Riverside, California

More information on [landscape-ecology.org](http://landscape-ecology.org)



10-15 July 2023

*IALE World Congress 2023: Transboundary Resource Management, Climate Change and Environmental Resilience*

Nairobi, Kenya

More information on [landscape-ecology.org](http://landscape-ecology.org)

**ESP**  
Ecosystem Services Partnership

Upcoming conferences of our partner organisation ESP  
(Ecosystem Service Partnership)



- 4th ESP Europe Conference, 10-14 October 2022, Heraklion, Crete, Greece
- ACES-ESP Conference, postponed to 12-16 December 2022, USA



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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