



iale BULLETIN

INTERNATIONAL ASSOCIATION FOR LANDSCAPE ECOLOGY

Dear IALE Members,

As the end of the year approaches, it is a good time to reflect back on the year, both the successes and challenges, and to contemplate what the year ahead will hold. It goes without saying that 2020 has been a year of incredible challenges. We have collectively suffered through lockdowns, cancelled travel plans, working from home, teaching from home, home schooling of our children, contested elections, and an ongoing climate change crisis that stretched from catastrophic fires in January to ongoing megafires. Our awareness of systemic racism was tragically heightened by police violence that sparked largely peaceful calls to action. The economic fallout from these wrenching changes will last for many years to come even if/when a vaccine becomes available and/or justice becomes equitable.

At the same time, we discovered new resilience in our community. We worked with many chapters that held wildly successful virtual conferences that offered new avenues for increased participation with less cost and lower CO2 emissions. Many IALE members discovered new opportunities for research that became apparent during the global lockdown, including disease ecology, global food security, establishing new baselines for animal behavior, just to name a few. And we discovered a new solidarity with our colleagues from around the world: No one was spared the consequences of the pandemic and we collectively leaned into our academic communities for empathy and support.

IALE has also adapted and changed throughout 2020. We have offered more financial and logistical support for virtual activities. We finalized a new publishing agreement with Springer that offers free digital access to *Landscape Ecology* for all members. We upgraded our systems to facilitate our growth and outreach to members (see below). We launched a new Diversity and Equity committee to promote equity and justice for all members. The IALE executive committee has worked incredibly hard to move our society forward even while constantly shifting our focus as events require.

In conclusion, although our world has seemed torn asunder at times, IALE has become a stronger community, digitally connected. This new strength will serve us well in the months and years ahead. Although we might assume that 2021 can only be better, there will likely be new and unforeseen challenges. The discipline of landscape ecology has a huge role to play in helping people and landscapes meet and survive these challenges. Our pledge to you is that IALE will continue to adapt in order to serve our members and to shift our world towards a more sustainable future, regardless of the difficulties ahead. In 2021, we look forward to electing new IALE executive committee members, major updates to our website, and more opportunities for members to visit the world - virtually, of course.

Like many of you, I will be staying at home with my immediate family (husband and two dogs) and will not be able to visit



family during the 2020 holiday season. I suspect many of us will be more isolated and disconnected. Nonetheless, I hope the holidays are an occasion to reflect on your own resilience, to be thankful, and to recharge your batteries for whatever 2021 throws at us. Thank you for your support and thank you for the opportunity you have granted me to serve landscape ecologists around the world.

Happy holidays!

Robert Scheller, IALE President

IALE's new membership management system

by Bastian Steinhoff-Knopp, Robert Scheller and Irene Petrosillo

At the beginning of 2021 IALE-World will implement a new, state-of-the-art membership management system (MMS). This will support communications for our international scientific community by bundling a number of our communication channels and creating new ones. After a selection process, the Executive Committee agreed this year on a system from the Canadian provider Wild Apricot and began preparations for the launch of the membership management system.

Website, newsletter, membership database

The MMS will combine the most important elements of IALE's communication: a

privacy compliant membership database, the automated dispatch of our newsletter and bulletin, and a new website. The free access for IALE members to the online edition of our flagship journal Landscape Ecology will also be regulated by the new MMS.

National chapters will have the possibility to manage their membership (registration, maintenance of personal data) completely via the new MMS. For smaller chapters this could be an attractive solution also to manage the payment of the membership fees - if you are interested please contact the Executive Committee directly.

Where a national chapter is not present, interested scientists will be able to join

IALE-World and pay their membership fee directly through the IALE-World website.

The roll-out of the MMS, including the new website, is expected to take place in mid-January. All IALE members will receive a corresponding e-mail at that time including new login credentials to get access to special services, such as the free access to Landscape Ecology. During the year, each new member will receive the login credentials valid for 2021.



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INTERNATIONAL ASSOCIATION FOR LANDSCAPE ECOLOGY

HOME NEWS JOIN IALE

News

["Exploring the Multiple Values of Nature - Connecting Ecosystems and People across Landscapes" - Invitation to Contribute](#)
8 Sep 2020 10:31 AM | [Anonymous member](#)

[Call for Editor-in-Chief for the book series Landscape Series](#)
17 Jun 2020 5:09 AM | [Anonymous member](#)

[Blog and Recent blog posts gadgets](#)
11 Mar 2015 9:33 AM | Anonymous

1st International IALE-Russia conference

By Tatiana Kharitonova,

The 1st International IALE-Russia conference «Landscape Science and Landscape Ecology: Considering Responses to Global Challenges» which had been planned to be held in Moscow by Lomonosov Moscow State University at 14-18 of September 2020, took place on the same dates in the online format, becoming our first considered response to the global pandemic.

The conference program covered five main topics:

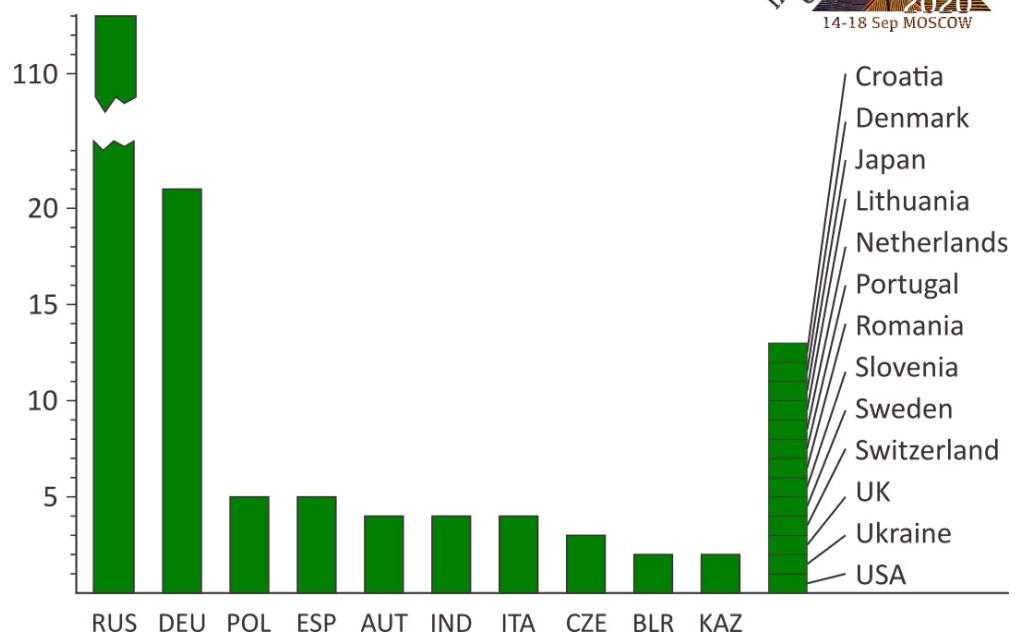
1. *Landscape spatial structure and dynamics* symposium consisted of five sessions which addressed mainly theoretical questions of modelling landscape structure and processes in different scales;
2. *Natural hazards symposium* discussed problems of land degradation, wild fires, transformation of Arctic, landscape epidemiology and attracted the attention of many specialists from sister disciplines – geomorphology, cryolithology, medical geography;
3. *Historical landscape ecology*, a traditional topic on the IALE agenda, touched the questions of land cover change and transformation of energy balances;
4. *Landscape assessment and planning* symposium focused on ecosystem services assessment, nature based solutions and social-ecological systems;
5. *Land use and land management* symposium examined land adaptation to different types of use – recreational, agricultural, urban, etc.

The conference online platform gave the participants an opportunity to manage personal pages of their presentations, to upload pdf files with presentations for off-conference viewing and to discuss their research in a chat linked to the page. On these very pages we placed the video recordings of the presentations and everyone is welcome to watch them at the conference website iale.conf.lab.ru via Guest login. To find a topic of interest, browse through the program, either by day or by session.

The number of participants changed with the time, by the beginning of the conference we received 237 theses, but 39 authors didn't show up for their talk. Nevertheless, their absence was compensated by 45 newly registered attendees. Since this was the first IALE-Russia conference, all members of the Russian chapter presented their work and dominated among the speakers. The geography of the rest of the speakers was predominantly European, however, there were participants from Japan, Kazakhstan, India and the USA.

disco party that lasted over 3 hours during which people were chatting, making friends, drinking and even sporadically dancing. The second event, unfortunately, was designed for the Russian audience only since it was a poetic evening named "The Poetry of the Place" when our colleague Iya Mironenko read her landscape lyrics that was amazing.

Geography of the conference speakers



The video conference was held in four parallel virtual rooms integrated into the online platform. The attendance of the sessions was approximately 20 to 40 people, the plenaries gathered up to 80-90 people. As we see, the fickle audience will be typical for all online events since the participants stay on with their regular local activities and generally find the time for their talk and session only. But on the other hand, the online format gives a chance to a wide range of scientists to promptly join the conference talks of their interest.

Informal part of the conference consisted of two social events. The first was an online

Conference Report Socio-Ecological Practice Research for Sustainable Landscape Governance, 6-7 September 2020.



By Ileana Stupariu

The international conference was jointly organized by the European Land-Use Institute (ELI), Research Institute of the University of Bucharest ICUB, the international journal Socio-Ecological Practice Research (SEPR) and IALE Romania.

The *Opening session* was addressed by Ileana Stupariu, professor of Landscape Ecology at University of Bucharest and president of IALE Romania, followed by Christine Fürst, president of ELI, past president of IALE-World, who declared the Conference officially open at the end of their statement.

The *Welcome speeches* were delivered by Carmen Chifiriuc, Vice-rector and head ICUB, Laura Comănescu, Vice-rector of University of Bucharest, and Alexandru Nedelea, Dean of the Faculty of Geography.

The *Plenary sessions* were held by Jianguo Wu, Professor of Sustainability Science at Arizona State University, Editor in Chief of the Landscape Ecology journal, Christine Fürst, Professor of Sustainable Landscape Development at Marthin Luther University Halle Wittenberg, Jiquan Chen, Professor

of Geography at Michigan State University, and Robert Scheller, Professor at North Carolina State University and President of IALE International.

The Conference spread over two days and covered six topics divided in sessions, as follows.

- European Landscape Convention – 20 years. Best practice examples: from scientists to practitioners
- Novel technologies, instruments, modelling and knowledge implementation in Geo and Life Sciences
- Global pressures / land-use change, landscape resilience
- Landscape governance as a socioecological practice: historicistic and international perspectives
- Ecological wisdom for sustainable landscape governance: exemplary cases from around the world
- Ecopracticology: a new name for some old ways of thinking.

A total of 155 people participated in the Conference, including 49 Romanians and 106 participants from Italy, Chile, Spain,

Argentina, Russia, Germany, Finland, United States, Mexico, Croatia, Estonia, Slovakia, Nigeria, Poland, Georgia, Austria, Brazil, Algeria, Vietnam, Tanzania, United Kingdom. The conference was moderated by moderators from Romania and abroad.

The organizers are happy to announce that the outcomes of the conference can be submitted to:

- Special Issue Land Systems in Transition between Persistence and Change in the journal *Land* –
- Guest editors Ileana Pătru-Stupariu and Christine Fürst
- Special Issue *Landscape analysis from interdisciplinary approaches towards application of novel technologies* in the journal *Landscape Ecology* – Guest editors Ileana Pătru-Stupariu, Christine Fürst, Mihai-Sorin Stupariu, and Robert M. Scheller.
- The journal *Socio-Ecological Practice Research (SEPR)*.

Update from the IALE Working Groups

By Benjamin Burkhard (IALE Vice President and Coordinator of IALE Working Groups)

The IALE Working Groups are designed to provide a venue for international and cross-disciplinary collaborations on all landscape-related topics. With their activities and members, the Working Groups are the core of IALE and the place where things are happening. Any IALE-World member can join any Working Group simply by contacting the organisers/lead teams. There are no dues. Small grants occasionally become available from IALE to support Working Group activities, including conference and travel expenses.

These following 11 IALE Working Groups are currently active:

- 3DLM – 3D Landscape metrics
- Edu-WG: Landscape Ecology in Schools
- International Working Group on Forest Landscape Ecology IALE-IUFRO
- Biocultural Landscapes
- Landscape Planning
- Biodiversity and Ecosystem Services Assessments
- Historical Landscape Ecology
- Spatial Analysis of Organisms in the Environment
- IALE Outreach Working Group (IOWG)
- Urban and peri-urban governance
- Food and Water Security

More information can be found at our website in the specific Working Group area: www.landscape-ecology.org/working-groups.html

Most IALE Working Groups (WG) are very active, organising meetings, workshops and thematic sessions at conferences. Other common activities are joint research projects and collaborative publications (several thematic Special Issues were led by IALE WG members) and teaching. Some Working Groups, however, seem to have paused their activities or at least they do not report on them. In September 2020, a short survey was sent out to all Working Group lead teams, collecting information on i) changes in WG organisation, lead team, objectives etc.; ii) progress in WG works, organised events, etc.; iii) related publications or other outreach; and iv) other relevant information. We received detailed replies from altogether six WGs and unfortunately no response from the remaining WGs.

We would like to encourage all IALE Working Groups to report their activities to the IALE EC and to provide respective texts to be published in the IALE Bulletin, Newsletter and on our Website. This provides you a great chance to promote your activities and to share it with the large global IALE community.



We would like to thank all our supporters in 2020 – without whom our achievements would not have been possible:

2020 has been a challenging year for all of us and a busy year for Landscape Online going along with a number of substantial changes and developments. We have handled about 36 manuscripts in this year and published 9 articles so far – further manuscripts are in a much progressed stage, expected to be published within the next few months. This would not have been possible without the support of many. First, we would like to thank all reviewers (see list in the right column, in alphabetic order) for dedicating us their valuable time and expertise during the review process. Furthermore, we would like to thank all IALE chapters that decided to become journal partners to support our work, namely the regional chapter IALE-Europe and IALE-North America and the national chapters IALE-Chile, IALE-Denmark and ialeUK. Since the German IALE chapter has launched this journal in 2007, Landscape Online took major steps towards internationalization. We also thank IALE for the financial support that enabled us to offer all IALE members the publication in our journal with a fee-waiver. Furthermore, we are grateful for the support of our 18 editorial board members: Leila Mahmoudi Farahani (Australia), Veerle Van Eetvelde (Belgium), Jochen A. G. Jaeger (Canada), Cristian Echeverria (Chile), Dolores Armenteras (Colombia), Andreas Aagaard Christensen (Denmark), Hannes Palang (Estonia), Christoph Merz, Claus Dalchow, Dagmar Haase, Olaf Schroth, Stefan Heiland (Germany), Emilio Padoa-Schioppa and Irene Petrosillo (Italy), Janez Pirnat (Slovenia), Simona R. Grădinaru (Romania), Audrey L. Mayer, and Jessica Price (USA). As we are continuously looking forward to complement and enhance our editorial board with further competences, please get in touch with us in case you are interested to become involved.

Changes in the Editorial:

One big change of this year effects the journal's editorial as Peter Weißhuhn will leave the editorial management by the end of this year. He has been incredibly supportive during the past two years, while restructuring our journal and establishing

our new web-based journal management platform. Due to new obligations for the World Wildlife Fund (WWF), he will not be able to keep up support in this intensity. However, we are glad that he keeps affiliated as editorial board member and thank him very much for all the support he committed so far.

Therefore, we are glad to win Uta Schirpke as a new Co-Editor-in-Chief and thank her for the willingness to take this responsibility. Uta is senior researcher at the research group Ecosystem and Landscape Ecology at the University of Innsbruck (Austria) and the Institute for Alpine Environment at the Eurac Research in Bozen (Italy). She has already been very supportive in previous years as member of the editorial board. As associate and guest editor for other international journals such as Ecosystem Services, she will bring valuable experience and we are really looking forward to this new collaboration.

Additional journal quality criteria:

Besides all these events and changes, we kept being busy, working to increase transparency and visibility of our journal quality criteria. Since this summer, our publishing policies are acknowledged by SHERPA/RoMEO and registered in its database that aggregates publisher information worldwide to provide summaries of copyright and open access archiving policies. With this, Landscape Online successfully accomplished a goal as SHERPA/RoMEO is an important reference for open access standards. Furthermore, we make the first steps towards Plan-S-compliance. Plan-S comprise principles and criteria for open access journals and platforms supported by national research agencies and funders of twelve European Countries (cOAlition-S) to promote open access science publishing by state-funded research organisations and institutions. Landscape Online is positively evaluated by the beta version of the Journal Checker Tool (JCT) that just launched in November. We are glad to have successfully passed this step as the JCT provides a tool for

researchers to find journals that comply with Plan-S aligned Open Access policies. In 2021, our next milestone is the application for the DOAJ Seal - which is awarded by the Directory of Open Access Journals (DOAJ) to journals that demonstrate best practice in open access publishing.

Thus, we believe Landscape Online can usefully supplement the variety of scientific journals in the field of Landscape Ecology offering an opportunity to publish Open Access with highest quality standards.

Accordingly, we are looking forward to the submission of further new and interesting manuscripts waiting to be published open access at www.landscape-online.org. We wish you all a powerful and good start into the new year 2020! We are also looking forward to the upcoming IALE European Landscape Ecology Congress, taking place in Poland, in July 2021, and hope to meet you all there in physical reality.

Stay save and keep healthy,

By Werner Rolf and Uta Schirpke (Co-Editors-in-Chief)

on behalf of the Editors of Landscape Online and Executive Committee of IALE-Germany





IALE 2021 European Landscape Ecology Congress

MAKING THE FUTURE, LEARNING FROM THE PAST

Warsaw
5-9 July 2021

➔ iale2021.eu
 🐦 [@ialeEurope](https://twitter.com/ialeEurope)
 ✉ congress@iale2021.eu

a linked PhD course will be organised before and after the Congress



IALE 2021 European Landscape Ecology Congress: Making the future, learning from the past

The next IALE European Landscape Ecology Congress will take place in Warsaw on July 5-9, 2021. The Congress will gather the landscape ecology community of both researchers, policy-makers and practitioners from all landscape-related disciplines, including environmental and social perspectives and embracing the transdisciplinary tradition of IALE.

Linking past, present and future and learning from past experience and knowledge to take responsibility for shaping sustainable landscapes and societies of the future. That are the challenges ahead, in a world with global challenges such as climate crisis, biodiversity loss, environmental pollution, pandemics, migration and urbanisation. A holistic landscape approach to the complex cultural-environmental systems – the essence of landscape ecology – provides the perfect framework for combining transdisciplinary tools and perspectives to better understand the diverse phenomena and processes around us and to predict and properly manage them in the future.

Therefore we invite landscape ecologists from Europe and beyond to share their experience and interact within the broad, international community of all those interested in landscape related issues. We believe that landscape ecology – as the study of multifaceted interactions in geographical space – has the potential to integrate natural sciences and humanities as well as researchers, policy-makers and practitioners.

More than 30 symposia, structured in ten thematic groups, covering a wide variety of interesting, engaging and challenging topics will be organised. The description of the symposia and the submission procedure can be found on the congress website www.iale2021.eu.

Important dates:

25 January 2021 – deadline for abstracts
 1 March 2021 – acceptance of abstracts

Feel free to share this call widely among your colleagues and use the promotional material provided at the congress website. We are looking forward to receiving your contribution. Together with you we will make a great IALE2021 congress in Warsaw.

On behalf of IALE-Europe and Congress organising committee
 Andrzej Affek (congress@iale2021.eu)

Symposia - organised in ten thematic groups

1. *Learning from people*: approaches to landscape as socio-ecological system | intangible landscape values | bringing in social sciences in landscape ecology
2. *Learning from nature*: protecting, conserving, monitoring and assessing biodiversity | rethinking the meaning of nature | entropy | forest landscapes
3. *Learning from data*: big data | from in situ to earth observation data to understand habitats and ecosystems
4. *Learning from past landscapes*: the past as a source of knowledge | the use of historical maps as machine-readable data | historical landscape research
5. *Planning future landscapes*: planning, envision and forecast future landscapes | novel pathways in landscape planning, governance and natural resources planning
6. *Policy making for European landscapes*: sharing experiences | European Green Deal | European Landscape Convention
7. *Agricultural and productive landscapes*: future pathways and perspectives for sustainable agricultural landscapes | productive urban landscapes | new modes for planning
8. *Urban and peri-urban landscapes*: processes and projections of urbanisation | urban nature, health and identities | governance | nature-based solutions | sustainable cities
9. *Regions in the spotlight*: landscape ecology in the Mediterranean | polar region
10. *Education in landscape ecology*: teaching and learning landscape ecology in times of growing uncertainties | how to prepare the students for the future

All information: www.iale2021.eu/iale-2021-symposia.html

Call for Abstracts is open!

Keynote speakers – setting the scene of the congress theme

Two keynote speakers are revealed now, the others will be announced in the next in the new year. Read more about these keynote speakers at: www.iale2021.eu/keynote-speakers.html

**Excursions**

www.iale2021.eu/excursions.html

Excursions are a core activity at the IALE Congresses. Various excursions will be organised before and during the IALE 2021 Congress, dedicated to urban, rural and semi-natural landscapes. You can have already a preview on the topics and destinations of the two-day pre-congress excursions and mid-congress field trips.

**Short courses**

The congress offers the opportunity for participants to organise short courses during the forthcoming congress. All short courses will be held on Thursday 8 and Friday 9 July. Applications are welcomed at congress@iale2021.eu by 25 January 2021.

PhD course

It is becoming a tradition, the intensive PhD courses in Landscape Ecology of IALE-Europe - under the overall baseline of the association: 'From pattern and process to people and action' organised under the umbrella of the Working Group Education in Landscape Ecology - Sharing Knowledge and Experience. The next edition will be organised in association with the congress. The participants of the PhD course will also join the congress and move afterwards to the rural countryside of Poland for the intensive week. More information will be provided soon on the website of IALE-Europe.

COVID-19

The organising committee will do everything they can to organise the congress in the physical format that is safe for the participants. However, if national/regional COVID-19 restrictions prevent organisation of such a large meeting or air transport in Europe will be heavily limited, most likely the congress will be postponed to 2022. We will follow up the situation in spring 2021.

Organisers

Institute of Geography
and Spatial Organization
Polish Academy of Sciences



Special Issue in Landscape Ecology: Toward a Science of Scaling in Landscape Ecology

By Amy E. Frazier, Peter Kedron, Mary K. Donovan

Landscape ecologists have long known that spatial scale can impact analyses, and scale has been a key topic in the discipline for more than 30 years. To scale something means to change the size while maintaining the same proportions, and a bevy of research in our field has investigated the impacts of changing spatial, temporal, and level of organization scales on research outcomes. Scaling, on the other hand, is a way of measuring the unmeasurable (Torgerson 1958) by translating information from one scale to another in space and/or time. Established scaling relationships built from measured values can provide the opportunity to predict values at unmeasured scales. Indeed in the seminal paper “Key issues and research priorities in landscape ecology: An idiosyncratic synthesis”, Wu and Hobbs (2002) identify scaling as a key priority, not scale, noting that “general ‘rules of thumb’ and specific techniques for scaling...need to be developed and tested more widely and rigorously.” Yet, nearly 20 years later, we still lack a ‘science of scale’ in our field.

At the same time, ecological and socio-ecological data are nearly always structured by different forms of clustering that are reflective of scale. Hierarchically, local environments are nested within larger regional environments, daily behavioral patterns are nested within seasonal variations, and species are nested within genus. When more than one level of clustering exists, cross structures can also exist such as when a migrating species travels between locations in different branches of an environmental hierarchy. Ongoing innovations such as those in multi-level modelling create opportunities to partially pool information across scales, stabilize parameter estimation, and improve our inferences about ecological and socio-ecological processes. These methods have the potential to create insights that can form the foundation of a richer theoretical understanding of scale, and lead to innovations in our ability to conduct scaling.

We invite papers that address this key need to develop general ‘rules of thumb’ and specific techniques for scaling information across scales in space and time, translating knowledge across organizational levels, and extrapolating experimental results to real-world systems. We encourage submissions that develop new techniques for prediction and extend theories that have been established in other fields such as physics and biology. We also encourage review and perspective papers. We will put less weight on submissions that simply examine the impact of different spatial scales on patterns or processes.

Guest Editors:

Amy E. Frazier (Arizona State University),
Peter Kedron (Arizona State University),
Mary K. Donovan (Arizona State University)

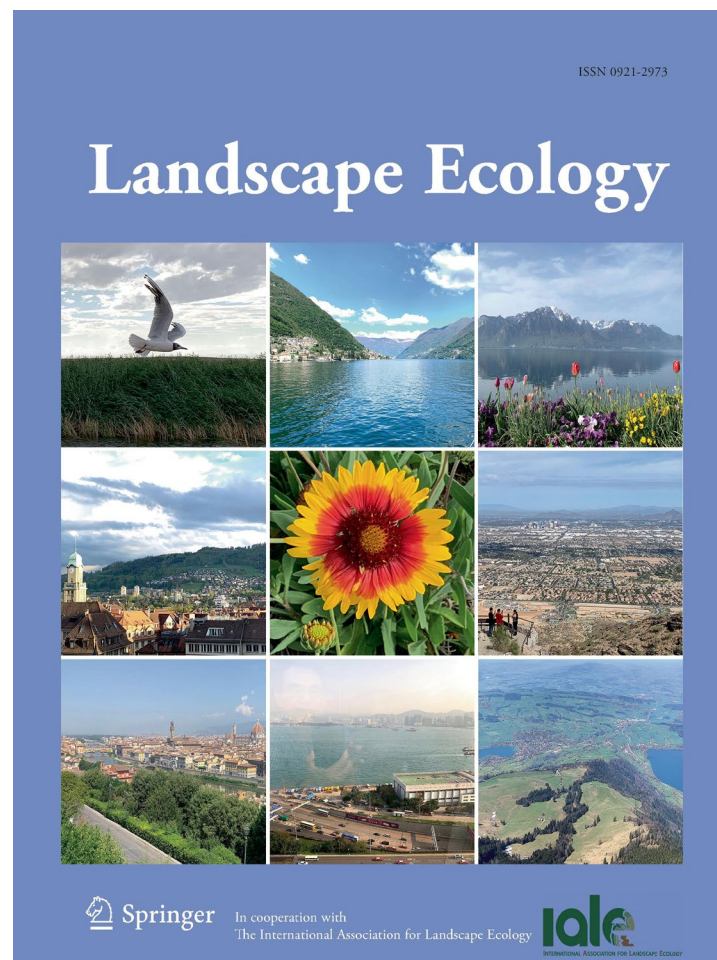
Deadline for First Submission:
March 31, 2021

Please follow the Landscape Ecology [submission guidelines](#). Please submit online via [Editorial Manager](#) and select article type “SI-Toward a Science of Scaling in Landscape Ecology”.

Expected Publication: 2022

References

- Wu, J., & Hobbs, R. (2002). Key issues and research priorities in landscape ecology: an idiosyncratic synthesis. *Landscape ecology*, 17(4), 355-365.
- Torgerson, W. S. (1958). Theory and methods of scaling.



Upcoming IALE Conferences

05-09 July 2021

IALE 2021 European Landscape Ecology Congress: Making the future, learning from the past

Warsaw, Poland

> [More information](#)

September 2021

III Brazilian Congress of Landscape Ecology: 15 years of IALEBr: Challenges and Perspectives of Landscape Ecology in Brazil

São Bernardo do Campo, Brazil

> [More information](#)



15 anos de IALE-Br

Desafios e Perspectivas da
Ecologia de Paisagens no Brasil

SÃO BERNARDO DO CAMPO (SP)

ESP Conferences: Special Update

The latest news on the conferences from our IALE-related partner organisation ESP (Ecosystem Service Partnership)

ESP
Ecosystem Services Partnership

In the period 2020/2021 the ESP is organising a series of regional conferences for the Ecosystem Services community around the globe. In light of the COVID-19 crisis, some of the conferences have had a change of date or format, to ensure the health and safety of participants.

Here is a list of all the conferences confirmed to take place:

2nd ESP MENA Conference, 27-29 January 2021, Rabat, Morocco

3rd ESP Africa Conference, 1-5 March 2021, Rwanda

3rd ESP Europe Conference, 7-10 June 2021, Tartu, Estonia

ACES-ESP Conference, 13-16 December 2021, Bonita Springs, Florida, USA

4th ESP Europe Conference, Spring 2022, Greece

IALE MEMBERSHIP FEES 2021

by Irene Petrosillo

The IALE membership fees for 2021 are as follows:

For regular income countries:

- Full membership (€ 20)
- Student membership (€ 10)
- Full membership including printed Landscape ecology (US\$ 100 or € 95)
- Student membership including printed Landscape ecology (US\$ 70 or € 65)

For low and middle income countries:

- Full low income membership (€ 10)
- Student membership (€ 5)
- Full membership including printed Landscape ecology (US\$ 95 or € 85)
- Student membership including printed Landscape ecology (US\$ 65 or € 60)

Deadlines:

Payments within 2021, June 30 are considered as early registrations and will allow national chapters to receive the refund of 20% membership fees.



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.

IALE Executive Committee:

President: Robert Scheller (2019-2023), North Carolina State University, North Carolina State University, Campus Box 7106, Raleigh, NC 27695-7106 USA, rschell@ncsu.edu; **Secretary General:** Peilei Fan (2019-2023), Michigan State University, 201M Human Ecology Building, 552 West Circle Drive, East Lansing, MI 48824, USA, fanpeilei@msu.edu; **Treasurer:** Irene Petrosillo (2019-2023), University of Salento, 73100 Lecce, Italy, irene.petrosillo@unisalento.it; **Vice-Secretary General and Communication Officer:** Bastian Steinhoff-Knopp (2019-2023), Leibniz University Hannover, Schneiderberg 50, 30167 Hannover, Germany, steinhoff-knopp@phygeo.uni-hannover.de; **Past President:** Christine Fürst (2019-2023), Martin Luther University Halle-Wittenberg, Von-Seckendorff-Platz 4, 06120 Halle (Saale), Germany, christine.fuerst@geo.uni-halle.de;

Vice Presidents and their role in the Executive Committee:

Dolors Armenteras (2019-2023; Latin America); National University of Colombia, Av. Carrera 30 # 45-03, Edif. 476 - Facultad de Ciencias, Bogotá D.C., Colombia, darmenterasp@unal.edu.co; **Henry Bulley** (2019-2023; Africa; Tasks: Outreach and communication), City University of New York, 199 Chambers Street, New York, NY 10007, USA, hnbulley1@gmail.com; **Benjamin Burkhard** (2015-2019; Europe), Leibniz University Hannover, Schneiderberg 50, 30167 Hannover, Germany, burkhard@phygeo.uni-hannover.de; **Liding Chen** (2013-2021; Asia; Tasks: Monitoring and reporting on regional & international IALE events for organizing EC & Chapter meetings), Chinese Academy of Sciences, 18 Shuangqing Road, Haidian District, Beijing, 100085, China, liding@rcees.ac.cn; **Sima Fakheran Esfahani** (2017-2021; Near East; Tasks: IALE Chapter networking, female landscape ecologists network, education), Isfahan University of Technology, Faculty of Natural Resources, Isfahan, 84156-83111, Iran, fakheran@cc.iut.ac.ir; **Cristian Echeverria** (2017-2021; Latin and South America; Tasks: Networking in Latin American countries,

students and young researchers network), Universidad de Concepcion, Victoria 631, Barrio Universitario Concepción, Chile, cristian.echeverria@udec.cl; Chair of the Council: **Danilo Boscolo**, Universidade de São Paulo, Av. Bandeirantes, 3900 - CEP 14040-901 - Bairro Monte Alegre - Ribeirão Preto - SP - Brasil, danilo.boscolo@usp.br.

IALE International on the Internet:
www.landscape-ecology.org

Bulletin Deadline Vol. 39 no. 1:
028.02.2021;

PLEASE: Send your contributions to the Bulletin Editor **Bastian Steinhoff-Knopp**:

steinhoff-knopp@phygeo.uni-hannover.de