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International Association for Ecology

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Message from the President of INTECOL

The 9th INTECOL International Wetland Conference (4-8 June), "Wetlands in a Complex World" was a great success in Orlando, Florida (USA) with participants from 43 countries and more than 1250 attending. This conference was a joint meeting with the Society of Wetland Scientists and the Greater Everglades Ecosystem Restoration Conference. The program included outstanding plenary speakers, 600 oral and 400 poster presentations. The meeting provided an opportunity for scientists, engineers, natural resource managers, policy makers, planners, educators, and early career ecologists to exchange ideas on the sustainable management and restoration of wetland ecosystems. The meeting was co-sponsored by the United States Geological Survey and the University of Florida.

I want to congratulate the INTECOL Wetland Working Group (WWG) for their sustained efforts to help organize this event once again. The WWG was formed by about 40 people at the 1978 International Congress of Ecology in Jerusalem, which was the result of collaboration during the International Biological Program. Since 1980 the 8 previous conferences grew to be a major focus within INTECOL. These early international meetings led ecologists to create new wetland societies that now are actively working together in organizing meetings and publishing specialized journals. This long-term effort has been fostered by current INTECOL Board members Eugene Turner, Rebecca Sharitz, and Jos Verhoeven who have contributed greatly to sustaining this important meeting that now occurs every four years. The WWG Board will be discussing plans for the 2016 meeting and invites those who are interested, to contact the planning committee. We owe them a great deal for their support of this important conference and all of its opportunities to expand meaningful face-to-face contacts with colleagues. Those individuals on the WWG Board who have helped to organize these conferences include:

1980: Prof. Brij Gopal, New Delhi, India.

1984: Prof. Jan Kvet and Jan Pokorny, Botanical Institute, Trebon, Czech Republic

1988: Prof. Jean Claude Lefeuvre, Rennes, France.



1992: Prof. Bill Mitsch, Columbus, Ohio, USA.

1996: Profs. Arthur McComb and Jenny Davis, Perth, Australia.

2000: Clayton Rubec and Gerry Hood, Quebec, Canada.

2004: Prof. Jos Verhoeven, Utrecht, The Netherlands.

2008: Profs. Catia Nunes da Cunha and Paulo Teixeira de Sousa, Cuiaba, Brazil.

2012: Prof. K. Ramesh Reddy, Gainesville, University of Florida, and Drs G. Ronnie Best and Glenn R. Guntenspergen, United States Geological Survey.

Professor Alan P. Covich
President, INTECOL

INTECOL Award

Dr. R. Eugene Turner, President of the INTECOL Wetland Working Group



Dr. R. Eugene Turner received the INTECOL Wetlands Award during the closing session of the 9th INTECOL International Wetlands Conference in Orlando, Florida on 8 July 2012. Dr. Turner has chaired the INTECOL Wetlands Working Group (WWG) since the very beginning of the INTECOL Wetland conferences in 1978. In this long period, spanning 35 years, Dr. Turner has shown remarkable leadership in organizing the selection of venues based on bids put

forward by the world's leading scientists and practitioners in wetland science, in helping the winning teams to organize the meetings according to the standards of INTECOL, in finding sponsorship and support by global, regional and local authorities and NGOs and in raising publicity for the meetings. In this way, he has been a key initiator and driving force behind all 9 very successful meetings so far, which have been organized across the globe: Delhi, India (1980); Trebon, Czech Republic (1984); Rennes, France (1988); Columbus, Ohio (1992); Perth, Australia (1996); Quebec, Canada (2000); Utrecht, The Netherlands (2004); Cuiaba, Brazil (2008) and Orlando, Florida (2012). Dr. Turner has played a decisive role behind the scenes in an effective as well as amiable way for all these meetings. Dr. Ronnie Best, one of the organizers of the Orlando conference gave him the INTECOL award, which is extremely well-deserved.

Jos T.A. Verhoeven
Universiteit Utrecht, The Netherlands
(A Board Member of INTECOL)



CONABIO Award

Mexico Celebrates the Importance of Biodiversity and its Protection

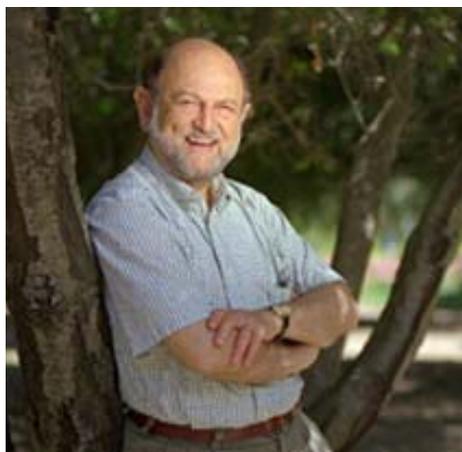
This spring the President of Mexico, Felipe Calderon, invited biologists to the Los Pinos (Mexican White House) to celebrate the 20 anniversary of the founding of Mexico's National Commission for Knowledge and Use of Biodiversity (CONABIO). Dr. José Sarukhán Kermez is the National Coordinator and he has helped CONABIO to promote, coordinate, and support activities to increase awareness of biodiversity, its conservation and sustainable use for the benefit of society. In addition, Prof. Sarukhán is recognized for his many efforts to create a strong ecology program at the National University of Mexico and his research in plant ecology.

Other ecologists were also recognized for their pioneering efforts in developing the science base for studies of biodiversity, especially plant diversity. In particular, Professor Arturo Gómez Pompa, now at the University of California- Riverside, was praised for his research in tropical forest ecology that led to the

comprehensive studies of the Flora of the State of Veracruz, Mexico. Professor Gómez Pompa is well known for his research that demonstrated the high diversity of tropical rain forests is partly a product of past human activities. Gómez Pompa documented the evolution and domestication of cacao and avocado by the early Mayan civilizations of Yucatan. These forests can be resilient but they are also fragile once thresholds are exceeded and biodiversity lost. In 1994, Gómez Pompa shared the Tyler Award for Environmental Achievement with Prof. Peter H. Raven. Prof. Raven was recognized by CONABIO for his research in plant ecology and co-evolution of plants and animals. As President and Director of the Missouri Botanical Garden in St. Louis (USA), Prof. Raven led many efforts to protect biodiversity. Raven retired in 2011 and is currently President Emeritus of the MBG.

Alan P. Covich
President, INTECOL

Photos. José Sarukhán Kermez (left), Arturo Gomez-Pampa (middle), Peter Raven (right)





Meetings and Congresses



1. INTECOL 2013 Into the Next 100 Years

"Advancing Ecology and Making It Count"

18-23 August 2013, ExCel, London, UK

From 18-23 August 2013, the 11th INTECOL Congress, Ecology: Into the next 100 years will be held in London as part of the centenary celebrations of the British Ecological Society. The theme of the Congress is advancing ecology and making it count, and will present world class ecological science that will truly move the science forward. The Congress programme will include 10 world class plenary speakers, symposia featuring major keynote lectures, workshops, submitted abstract sessions and extended poster slots. Other major features will be innovative ways for presenting and communicating science, and a programme structured so there will be many opportunities to meet people. This Congress will give delegates a new perspective on a wide range of ecological topics and help establish new collaborative partnerships.

Programme

Plenary speakers

- **Tim Clutton-Brock**, University of Oxford, UK: Behavioural ecology;
- **Joel Cohen**, Rockefeller University, USA: Human microbe interactions;
- **Sandra Diaz**, Córdoba National University, Argentina: Functional role of biodiversity;
- **Nancy Grimm**, Arizona State University: Urban ecosystems and ecology;
- **Ilkka Hanski**, University of Helsinki, Finland: Spatial ecology;
- **Ove Hoegh-Guldberg**, University of Queensland, Australia: Ocean acidification;
- **Georgina Mace**, Imperial College London, UK : Biodiversity and conservation;
- **Martin Nowak**, Harvard University: Evolution of cooperation and eusociality;

- **Susan Trumbore**, Max Planck Institute for Biogeochemistry, Germany: Global carbon cycle in the context of environmental change .

Symposia will present the best and most current ecological science by researchers from across the world . Topics include new perspectives on classic theories, soil biodiversity, ecosystem services, macroecology, plant biodiversity and competition, urban ecology, insect pollinators, marine biodiversity, forest restoration, the implications of ecological research for society, agricultural sustainability, climate change, evolutionary changes, light pollution, citizen science and landscape resilience.

Notable speakers include:

- **Robert May** from the University of Oxford on The ethical, aesthetic and practical values of basic research in ecology;
- **Robert E Ricklefs** from the University of Missouri on The dynamic nature of species within archipelagos;
- **Christian Körner**, University of Basel, Genetic limitations of climate change tracking in long lived plants;
- **Georgiana May**, University of Minnesota, Evolution of host/microbe interactions in forest ecosystems;
- **Claire Kremen** from the University of California on Global trends in pollinator conservation and links with society;
- **Richard Cowling** at the Nelson Mandela Metropolitan University, RSA on A widening research-implementation gap constrains successes of bioregional planning programmes in South Africa.



Workshops will showcase and introduce the most important and timely methods, applications, communications and technology associated with ecological science. Active participation will be encouraged with the opportunity to learn, discuss and communicate.

There will also be an invitation for submitted abstracts in late summer 2012 and a host of other training and networking events.

For a full list of symposia and a programme outline please visit intecol2013.org

Location and accommodation

The ICC at ExCel is a state of the art, sustainable, modern conference venue in the heart of London's historic docklands. Transport links are excellent with a travel time of 25 minutes into central London.

There will be a wide range of accommodation, bookable with registration, from budget accommodation in university halls of residence to 3-5 star hotels. Special conference rates have been negotiated for delegates.

Registration and abstract submission

Registration and abstract submission will open in late summer 2012, intecol2013.org

Registration fees have been kept as low as possible to allow participants to enjoy world class science, learn about new innovations through workshops, listen to prestigious plenary speakers and form new collaborations.

Social and accompanying persons programme

There will be a wide range of social events for

participants including a welcome mixer, British

Ecological Society centenary birthday party and informal networking social events.

Pre-congress tours to places of ecological interest will be bookable with registration. There will also be a programme of day visits for accompanying persons and an on site crèche. The conference organisers are also working with a tour organiser for delegates to book tours of the UK to extend their stay

James Parkyn Bursaries

Dr Parkyn's kind legacy to the British Ecological Society will fund bursaries of up to £750 for students from developing countries to attend the meeting. Bursaries of up to £300 will also be available for other students. Full details can be found at britishecologicalsociety.org/grants

Key dates

27 July 2012	Workshop deadline
September 2012	Registration and abstract submission opens
March 2013	Abstract submission closes
April 2013	Early bird registration closes

Delegate fees

Early bird member of BES & INTECOL	£330 + VAT
Early bird non member	£481 + VAT
Early bird student	£180 + VAT

For further information please go to intecol2013.org

British Ecological Society
Charles Darwin House
12 Roger Street, London, WC1N 2JU

E-mail: intecol@BritishEcologicalSociety.org



British Ecological Society





2. The 5th International Conference of SCU & ESES

Climate Change and Water Resources

10-11 July 2012, Ismailia, Egypt

The Conference has become the most important annual gathering in ESES (the Egyptian Society for Environmental Sciences). It will be an opportunity for the international community to exchange ideas and develop a common vision for the future of world climate change and water resources. The main theme of ESES 2012 will be "Socio-economic indicators of climate change, Impacts of climate change on natural resources (flora and fauna) and Water quality issues and sustainability of water reuse". Papers on all aspects of environmental sciences will be welcome as well. This

conference will offer outstanding international speakers. There will be time for abstracts, posters, and many informal discussions that have helped make past meetings successful. We are confident that every participant's intellectual pursuits will be fully satisfied with the scientific program, field excursions and social events that we are planning. Those of you who attended the past conferences of ESES already know that Ismailia is a vibrant modern city, and that Suez Canal University makes an outstanding venue for this meeting

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E-mail: eses_eg2@yahoo.com

Website: www.eses-catrina.com

3. Fourth International Conference on Climate Change

Impacts and Responses

12-13 July 2012 , Seattle, Washington, USA

The inaugural conference was held at the Bharati Vidyapeeth Institute of Environment Education and Research, Pune, India in 2009; the second conference was held at University of Queensland, Brisbane, Australia, in 2010; and the third conference was held at Rio De Janeiro, Brazil in 2011. Beginning in 2009, this annual conference will examine evidence of climate change, its natural and human causes, its ecosystemic impacts and its human impacts. The conference will

also concern itself with technological, social, ethical and political responses to climate change. The Climate Change Conference is a participants' conference, including numerous parallel sessions. The conference organizing committee is inviting proposals to present 30 minute papers, or 60 minute workshops or 90 minute colloquium sessions. These can be academic papers with a theory or research focus, or presentations of practice describing educational initiatives.

Contact: Conference Secretariat

E-mail: support@on-climate.com

Website: <http://on-climate.com/conference-2012/>



4. 2012 World Conservation Congress

Nature +

6-15 September 2012, International Convention Center (ICC), Jeju, Korea

World Conservation Congress is the most influential conservation event held every four years by IUCN, the only international environment union with Permanent Official Observer Status at the UN General Assembly. There have been 22 gatherings since the congress started as IUCN General Assembly in 1948. The event changed its title to the current one in the 1996 Montreal Congress. The fifth congress is to be held in Jeju, the Republic of Korea, the first northeast Asian host since its inception. The slogan, Nature+ indicates potential inclusion of various environment-related issues in the main topic of nature. '+' means positive, more, better, added value, works together, can't be apart, and urgent. The following six main topics will be discussed in a lively and diverse manner in the framework of these meanings.

The IUCN World Conservation Congress has been held in all corners of the world such as Nairobi(Kenya), Ashkhabad(Former Soviet Union), New Delhi(India), and Amman(Jordan) since the first meeting(1948) in Fontainebleau, France. The past 21 congresses were held every two years and now every four years. Initially,

the Congress only consisted of the Members' Assembly of all IUCN member organizations. Since 1996, the Congress has grown to include the Forum, open to all, to debate major sustainable development issues, propose solutions and facilitate the sharing of information and experiences. All four congresses of the current type were held in Montreal (1996), Amman (2000), Bangkok (2004), and Barcelona (2008). Congress is organized by IUCN Headquarters and host country's government and related organizations. The number of participating nations and people has been on the rise due to increasing attention to international environment issues. The 2008 Barcelona Congress had 6,698 attendees from 179 nations. Motions are submitted by members before the congress and classified according to their topics (Resolutions: Roles of the secretariat, Recommendations: Roles of the third party excluding the secretariat, Commission guidelines and amendments to programs being operated). A working group of congress preparatory committee screens motions, and Members' Assembly votes to adopt the motions as resolutions or recommendations.

Website: <http://www.iucnworldconservationcongress.org/>

5. The 8th European Conference on Ecological Restoration

Near-Natural Restoration

9-14 September 2012, České Budějovice, Czech Republic

The 8th Conference of the Society for Ecological Restoration - Europe (SER) will be held at the Faculty of Science, University of South Bohemia, České Budějovice, Czech Republic from 9th - 14th September, 2012. This offers an outstanding opportunity to exchange knowledge, create contacts and build new potential cooperation. The main theme is: "NEAR-NATURAL RESTORATION", which includes using spontaneous succession, regional seed mixtures, local genotypes, respecting local geodiversity, etc., but contributions on any other themes are very much appreciated.

The aim is to present and discuss the state-of-the-art

in restoration ecology as a scientific discipline and in practical ecological restoration. The conference brings together scientists, practitioners, stakeholders and policy makers. It is a great opportunity to meet colleagues from different parts of the world during all the formal and informal meetings such as lectures, workshops, poster sessions, excursions etc. The local pubs are very suitable for casual get-togethers, fulfilled with an unforgettable atmosphere and one of the best beers in the world.

Themes of the Conference

1. Scientific background and the practical use of



- near-natural restoration
2. Restoration of habitat types
Dry grasslands and other xeric habitats; Dump and wet meadows; Wetlands; Fresh water ecosystems; Marine and coastal ecosystems; Forests; Restoration in human-made habitats (industrial, urbanized and polluted areas).

3. Reintroduction and reinforcement of populations of endangered species; meta-population dynamics
4. Invasive organisms and ecological restoration; novel ecosystems
5. Landscape context of ecological restoration
6. Socio-economic, cultural and legislative dimensions of ecological restoration

Contact: Conference Department
CZECH-IN s.r.o.
Profesional Event & Congress Organiser
5. kvetna 65, 140 21 Prague 4, Czech Republic
Tel: +420 261 174 305
Website: info@ecer2012.eu

6. The 2012 ICES Annual Science Conference

17-21 September 2012, Bergen, Norway

The 2012 ICES (International Council for the Exploration of the Sea) Annual Science Conference will be held in Bergen, Norway. The venue will be the Scandic Bergen City hotel. The conference will open on Monday 17 September and close on Friday 21 September. The Conference Programme is now available at website <http://www.ices.dk/iceswork/asc/2012/index.asp>.

ICES Annual Science Conference provides a forum in which an international community of marine scientists, professionals, stakeholders, and students gather to share their work. This is carried out through theme-based sessions, which include both oral and poster presentations. Each year, the Conference is hosted by one of our 20 Member Countries, and has a unique website to handle electronic submissions and registration.

Website: <http://www.ices.dk/iceswork/asc/2012/index.asp>

7. Local Actions in a Global Context - Paradiplomacy by Subnational Jurisdictions

15-17 January 2013, Longyearbyen, Svalbard, Norway

'Local Actions in a Global Context' will consider how island and non-island subnational jurisdictions use paradiplomacy to seek influence beyond their borders. This conference will assess the implications of subnational and unrecognized jurisdictions exercising foreign policy and how such actions could benefit and harm communities and the world at large. It will also explore the apparatuses of paradiplomacy (tourism offices, trade boards, etc.) and the nature of interactions

between subnational jurisdictions and other actors. Globalization and governance expert Eric Clark will act as keynote speaker. The conference is a collaboration of the Centre for Democratic Network Governance, Roskilde University; the Island Studies Program, National Taiwan Normal University; and the Institution for Marine & Island Cultures, Mokpo National University. The deadline for abstracts is 1 July 2012.

Contact: Adam Grydehøj
E-mail: agrydehoj@islanddynamics.org
Website: www.islanddynamics.org/localactions.html



8. XIII Symposium on Aquatic Microbial Ecology (SAME 13)

8-13 September 2013, Stresa, Italy

Many of you already know the SAME series, its spirit, its atmosphere, and the unique chance it offers to established researchers and students to present their research and to enlarge their contacts within the global community of aquatic microbial ecologists. The website of the symposium is already online at www.same13.eu.

The Symposium will take place in the Congress Palace in Stresa. Several accompanying events (icebreaker, dinner, excursions) have been already organized, and will give you the chance to visit the wonderful cities of Stresa, Verbania and the region. In the plenary sessions, short lectures and poster sessions, we will offer a platform for the Aquatic Microbial Ecology community to discuss state of the art topics in areas such as:

1. What microbes can tell us: Ecological consequences of global change in aquatic ecosystems.
2. I love fools' experiments. I am always making them: Microbial evolution on ecological time scales.
3. All for one, one for all? Bacterial life strategies in relation to carbon flow to higher trophic levels.
4. Genomics for a better understanding of the aquatic biogeochemical processes.
5. From predictions to reality: What omics can (and can't) tell us about microbial ecology.
6. Deep insight bacterial diversity: From community composition to community functions.
7. Shifts in metabolic activity levels and the role of dormancy.
8. Microbial metabolic specialization: Causes and ecological consequences.
9. New methods: Chemical imaging, single cell transcriptomics, microfluidics/lab on a chip.
10. A trouble shared, is a trouble halved: Bacteria-Virus ecology and coevolution.
11. Giving and getting: Lifestyles of attached and symbiotic microbes.
12. Way of life and autecology of distinct prokaryotes.
13. Phototrophic plankton as the movers and shakers in aquatic ecosystems.
14. Bacterial biogeography and dispersal in a changing world.

Website: www.same13.eu

Photo. Spitsbergen Travel/Venke Ivarrud





New Print Issue

Interface Focus: Mathematical and Theoretical Ecology

Royal Society Publishing has just published an issue of *Interface Focus: Mathematical and theoretical ecology*, organized by Edward Codling and Alex Dumbrell. See - <http://bit.ly/rsfcs22> for further details or you can go straight to the issue contents at <http://rsfs.royalsocietypublishing.org/content/2/2> which

are freely available online until 31st July 2012. The print issue is available priced at £49. You can order online via the above web page (enter special code FS 2/2 when prompted) or, alternatively, you can contact debbie.vaughan@royalsociety.org

Interface
FOCUS



Organised by Edward Codling and Alex Dumbrell
Published April 2012

Price for print issue: £49



Without ecological theory, collecting data is a futile and meaningless endeavour. Likewise, producing elegant and beautiful mathematical models of ecological systems without validation against real data is an empty achievement. Ecology is intrinsically quantitative, with ecologists spending much of the last 100 years enumerating the patterns and processes underpinning the dynamics of, and interactions within, natural populations and communities.

Owing to its quantitative nature, ecology has long recognized the need to work in parallel with mathematical disciplines. This interdisciplinary approach is elegantly highlighted in some of ecology's seminal and most highly cited papers by early ecology pioneers who used mathematical approaches to explain and analyse ecological observations. However, in addition to being a tool to use for ecologists, the disciplines of mathematical and theoretical ecology also developed independently of studies examining ecological data, into a fascinating and insightful discipline in its own right; emerging from the foundations laid by mathematicians on which much of current theoretical ecology is built.

The articles in this issue cover a wide range of topics but all are linked by the theme of how advances in theoretical ecology can be integrated with ecological data.

Access online by scanning QR code or visiting: bit.ly/rsfcs22



The print issue is available at the price shown above. To place an order, send payment by cheque (made payable to Portland Customer Services) or by Visa or MasterCard (quoting ref FS 2/2) to:

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Interface Focus welcomes theme proposals. To find out more about becoming a Guest Editor of the journal, please contact tim.holt@royalsociety.org

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S Petrovskii and N Petrovskaya

EXIS Open Choice denotes open access articles, submitted via EXiS Open Choice



INTECOL, International Association for Ecology

INTECOL is affiliated with the ICSU family of scientific organizations as the section responsible for general ecology within the International Union of Biological Sciences (IUBS). The association will assist and/or support the development of the science of ecology and the application of ecological principles to global problems, especially by assisting international cooperation; the collection, evaluation and distribution of information about ecology; national, regional and international actions which will serve ecological research, training of personal, coordination of general publications of ecological principles and the recognition of the importance of ecology for economy and society; the organization of conferences, meetings, symposia, programs and projects, conduct of speaking-series, publication of manuscripts, and measures which are deemed necessary to reach the goals of the association.

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