



CONTENTS

- 1 – President's Report
- 2 – Overview of 21th International Congress of Biometeorology
- 3 – Commission and Group Reports
- 4 – Conferences
- 5 – Calling all reviewers

International Society of Biometeorology Executive Board Members 2014 - 2017

President

Mark D. Schwartz <mds@uwm.edu>

President Elect

Pablo Fernández de Arróyabe Hernández
<pablo.fdezarroyabe@unican.es>

Past President

Glenn McGregor
<glenn.mcgregor@durham.ac.uk>

Vice-Presidents

Elena Grigorieva <eagrigor@yandex.ru>
Marie R. Keatley <mrk@unimelb.edu.au>

Editor-in-Chief

Scott Sheridan <ssherid1@kent.edu>

Secretary

Jonathan M. Hanes <jmhanes@uwm.edu>

Treasurer

John Gaughan <j.gaughan@uq.edu.au>

Councilor (Africa)

Hesham H. Khalifa <khalifahhk@usa.net>

Councilor (Asia)

Junhu Dai <daijh@igsnr.ac.cn>

Councilor (Europe)

Simon N. Gosling
<simon.gosling@nottingham.ac.uk>

Councilor (Latin America and the Caribbean)

Luis Bartolomé Lecha Estela
<lecha@cesam.vcl.cu>

Councilor (Northern America)

Robert E. Davis <red3u@virginia.edu>

Councilor (Oceania)

Lynda Chambers <l.chambers@bom.gov.au>

Observer to the Board

Wop J. Rietveld <w.j.rietveld@gmail.com>

President's Report

What interesting weather we had this winter! The USA National Oceanic and Atmospheric Administration just released a report indicating that this past winter (December 2014 through February 2015) was the warmest one on record (since 1880), surpassing 2007, which was the previous record holder. Interestingly, the only major land area world-wide to be cooler than normal, was the eastern USA. So please forgive those of us in the eastern USA (especially those in the Boston, Massachusetts area who were buried in record snowfall) if we don't immediately think of the past winter as a mild one!

Otherwise, I would just like to quickly remind you of a couple of upcoming conferences being sponsored by our ISB Commissions during 2015. Coincidentally, both are being held in Turkey this autumn.

First the ISB and the Climate, Tourism, and Recreation Commission are sponsoring the Fourth International Conference on Climate, Tourism, and Recreation, which will be held 17-19 Sept. 2015 in Istanbul, Turkey. See <http://www.cctr2015.org/index.html> for more information.

Secondly, the ISB and the Phenology Commission are sponsoring the third international phenology conference, "Phenology 2015", which will be held 5-8 October 2015 in Kusadasi, Turkey. See <http://ap1-006b.agrar.hu-berlin.de/upload/index.html> for more information.

Sincerely yours,

Mark D. Schwartz

21st International Congress of Biometeorology ICB2017



Venue: Durham University, United Kingdom

Proposed Dates: September, 2017

Rationale

Atmospheric processes exert a strong influence on a range of human activities, ecosystem services and hence human development. Accordingly, there is now a demand from a variety of sectors for climate information. In many ways this has led to the emergence of climate risk management (CRM) as a distinct field of pure and applied research. A clear manifestation of the global recognition of the potential significance of climate information for risk management is the establishment of the World Meteorological Organization's Global Framework for Climate Services (GFCS). Theoretically through developing and incorporating science-based climate information and prediction into planning, policy and practice, better management of the risks and opportunities arising from climate variability and change will be enabled. However the question remains "what type of climate information and for whom".

Given this, the purpose of ICB2017 will be to reflect upon the efficacy of knowledge production in biometeorology and cognate disciplines in relation to information provision for managing climate related risks. It is expected that such a theme will attract papers from the biophysical and social sciences that are likely to touch upon improved methods for describing the nature (probability, magnitude, location) of climate events, developments in the assessment of exposure and vulnerability to climate extremes, how climate anomalies may propagate through socio-ecological systems, the evaluation of risk management decision support tools, barriers to the uptake of climate information and current scientific limitations related to the production of the requisite climate information for climate risk management.

The Location: Durham and the University

The City of Durham is located on a dramatic peninsula overlooking the River Wear, Durham's unique Norman Cathedral and Castle not only dominate the skyline but they are also a designated World Heritage Site. Durham is a small and compact city. Everything is within easy walking distance – it is essentially a university town with a population of only 47,000 with the University accounting for a third of that total. The average daily maximum temperature in June - September is 18.5°C.

Durham University (DU) is a world-class university. It is the third oldest university in the UK and is consistently ranked amongst the top 5 UK universities. It has approximate 17,000 students of whom 3,500 are postgraduates with over 3,000 international students from over 120 countries. It is also organised based on the collegiate system with 16 Colleges.

DU has excellent facilities including a world class library, wireless internet across the campus and state of the art meeting and lecture rooms.

Proposed local Organising Committee:

Glenn McGregor (Durham University)

Simon Gosling (Nottingham University)

Debbie Hemming (UK MetOffice)

Sari Kovats (London School of Hygiene and Tropical Medicine)

Sotiris Voudalakis (Public Health England)

Virginia Murray (Public Health England)

Transport Links

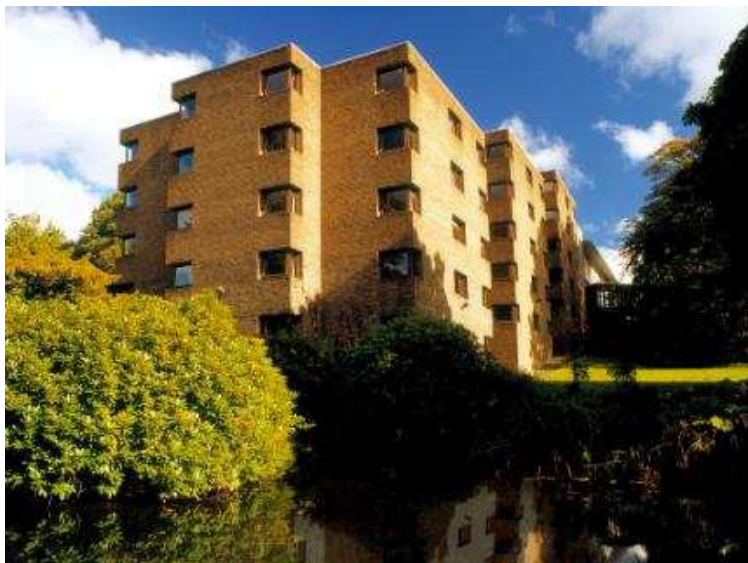
Durham is located in the heart of the North East of England, 264 miles north of London. It has excellent accessibility from across the UK, Europe and beyond. Durham is 30 minutes from Newcastle International Airport, one of the UK's fastest growing regional airports which offers connections to London Heathrow and Gatwick airports and a range of European and other destinations. 60 InterCity trains from most major centres in the country call at Durham daily including 14 trains from London and Edinburgh.



Castle and Cathedral



Calman Learning Centre(above) and Lecture Room (below)



Collingwood College

ISB Phenology Commission 2014 Annual Report

Commission members are exploring with the WMO Commission for Agricultural Meteorology (CAgM) the concept of advancing phenological observations and cooperation among networks globally through development of a Global Alliance of Phenological Observation Networks (GAPON).

**Submitted by Dist. Prof. Mark D. Schwartz,
Chair**

ISB and the Phenology Commission were major sponsors of the Phenology 2012 conference that took place in Milwaukee, WI, USA from 10-13 September 2012, with over 140 attendees, (<http://www.phenology2012.uwm.edu>) and was followed at the same site by a one-day 2nd International Workshop on the Validation of Satellite-based Land Surface Phenology Products, (http://lpvs.gsfc.nasa.gov/LPV_meetings/Phenology_2012.html). The May 2014 issue of IJB was a special issue devoted exclusively to papers developed from presentations made at the Phenology 2012 conference.

A third international phenology conference, Phenology 2015, (<http://ap1-006b.agrar.hu-berlin.de/upload/index.html>) has been scheduled for 5-8 October 2015 in Kusadasi, Turkey, also sponsored by ISB and the Phenology Commission. A similar special issue of IJB is planned to proceed from this conference.

The Phenology Commission now intends to sponsor an international phenology conference every three years, in the year following the ICB (i.e., 2018, 2021, etc.).

Commission members in the USA continue to work closely with the USA National Phenology Network (USA-NPN, <http://www.usanpn.org>).

Students and New Professionals Group Report

Report to the ISB Executive Board on SNP activities since 2011

1. A Glossary for Biometeorology

- Five years of development.
- Published **February 2014 in IJB**.
- University of Nottingham kindly paid the **Open Access fee** so it can be posted and shared openly.
- It is available on the **ISB website** under its own link.
- **14** authors from **7** countries including Brazil, Germany, US, Italy, Canada, Switzerland and UK.
- **A successful end to the SNP's first collaborative project.**

Int J Biometeorol (2014) 58:277–308
DOI 10.1007/s00484-013-0729-9

ICB 2011 - STUDENTS / NEW PROFESSIONALS

A glossary for biometeorology

Simon N. Gosling • Erin K. Bryce • P. Grady Dixon • Katharina M. A. Gabriel • Elaine Y. Gosling • Jonathan M. Hanes • David M. Hondula • Liang Liang • Priscilla Ayleen Bustos Mac Lean • Stefan Muthers • Sheila Tavares Nascimento • Martina Petralli • Jennifer K. Vanos • Eva R. Wanka

2. First workshop on synoptic climatology and human health

- The SNP's **second major project**.
- Workshop led by Jenni Vanos, Dave Hondula, and Michael Allen.

- Made possible thanks to **generous funding from the Tromp Foundation**.



- Simon Gosling submitted the proposal as SNP Chair and administered the funds - the process of applying for Tromp funds via a **proposal was useful**.
- A full report on the workshop was emailed to the Executive Board by Jenni Vanos in July 2014, The main points are:
 - Workshop in Sweden 16-20 June 2014.
 - 19 participants – **10 supported by Tromp Foundation** and 9 by Umea Centre for Global Health Research.
 - **Plan was to make the project as inclusive as possible:** participants from Australia, Canada, UK, Germany, India, South Korea, Lithuania, New Zealand, Sudan, Sweden, Switzerland, US.
 - **Achieved all goals identified in the proposal** including the main goal to develop SSCs for Pune (India), Stockholm and Umeå (Sweden), and Auckland (New Zealand).
 - **Identified team-leaders for further analysis and possible publication options.**

3. First Special Issue in IJB for SNP members

- Published in **January 2014** and Guest Edited by Simon Gosling.
- Received **21 paper submissions. 16 were accepted after review.**
- Covered the main fields of biometeorology:
 - **Phenology** (Hanes 2012).
 - **Urban biometeorology** (Park and Tuller 2013).
 - **Animals** (de Melo Costa et al. 2013; Luo et al. 2013; Nascimento et al. 2013).
 - **Climate change and public health** (Hondula et al. 2013; Vanos and Cakmak 2013; Cheung and Hart 2012; Sujaritpong et al. 2013).
 - **Epidemiology** (Tawatsupa et al. 2012; Allen and Sheridan 2013; Burkart et al. 2013; Xu et al. 2013; Wanka et al. 2013; Jacobs et al. 2013).
- **High international representation,** with research conducted in:
 - Australia
 - Bangladesh
 - Brazil
 - USA
 - Canada
 - Germany
 - Hong Kong
 - South Korea
 - Thailand.

4. Second Special Issue in IJB for SNP members is planned for 2015.

- Editor-in-Chief, Scott Sheridan has invited Simon Gosling to be Guest Editor.
- Simon is canvassing for submissions at ICB20.



5. SNP workshop on career development

- Grady Dixon and Jenni Vanos have organised a workshop on **career development** on 28th September 2014, featuring panel discussions and short talks for all members of the SNP.

6. New Chair of the SNP

- Simon Gosling was promoted to Associate Professor in March 2014 and while he will still be “**within 5 years from leaving education (e.g. PhD graduation) or under 35 years of age**”, which is the prerequisite for SNP membership, he preferred to hand-over the role to someone new in light of this.
- To this end **he invited Jenni Vanos to take over the role** and she has kindly **accepted.**
- Simon and Jenni co-ordinated a hand-over of the group membership list and responsibility in August 2014.

Jenni played an important role in running the SSC workshop in Sweden and the ICB20 SNP workshop, both which have strengthened the SNP group, so the outgoing Chair is confident that she will be an excellent leader of the SNP and that she will continue to develop the group's activities and enhance collaboration between its members.

Simon Gosling, outgoing Chair of the SNP, 28th September 2014

Conferences

33rd International Geographical Congress, to be held in Beijing

P. R. China, August 21-25, 2016

<http://igc2016.csp.escience.cn/dct/page/1>

Fourth International Conference on Climate, Tourism and Recreation, 17-19 September 2015, Istanbul, Turkey (CCTR2015)

The Commission on Climate, Tourism and Recreation (CCTR) of the International Society of Biometeorology (ISB) is pleased to announce its fourth international symposium (CCTR2015) to be held in September 2015 in Istanbul, Turkey.

The field of tourism climatology has developed significantly over the past decade due in large part to the activities of the CCTR. One of the main drivers of this have been international meetings of the CCTR that include the first in Porto Carras, Greece (in 2001), the second in Crete (in 2004) and the third in Alexandroupolis (in 2007). The fourth international meeting aims to once again bring together scholars and experts to explore links between climate and tourism, including the implications of climate change for tourism and recreation industries.

Details are on the conference website <http://www.cctr2015.org/index.html>

Chris de Freitas

University of Auckland, New Zealand

Phenology session in Vienna at EGU2015,
Session CL5.12 /SSP2.2.2, Friday 17 April.

<http://meetingorganizer.copernicus.org/EGU2015/session/17526>

Plants' response to short- and long-term climatic and environmental changes (co-organized)

Convener: Olga Churakova (Sidorova)
Co-Conveners: Rolf Siegwolf, Kerstin Treydte, Elisabeth Koch, This Rutishauser

15th EMS Annual Meeting & 12th European Conference on Applications of Meteorology (ECAM)

<http://www.ems2015.eu/>

07 – 11 September 2015, Sofia, Bulgaria

Abstract submission deadline: **24 April 2015**

Session: **Human Biometeorology**

This session on biometeorology deals with the interactions between atmospheric processes and humans beings in an interdisciplinary manner. The core question is how atmospheric conditions impact the well-being and health of humans, and how to transfer such knowledge in a widely understandable way in order to ensure the appropriate use of such information. Atmospheric conditions include transient ones driven by weather patterns and long-term climatology but as well how potential climate change trends may affect these interactions. In this context, the session will address issues concerning health, warning systems and measures in place to mitigate adverse impacts, and the models used to evaluate the heat load and cold stress on organisms. This will include the thermal component from the environment, weather sensitivity, actinic and chemical components of stress factors.

In addition, the session will consider the impacts of weather processes on human well-being and health. Since several methods are in use to compile bio-weather forecasts, we are looking forward to discussing such approaches and the way to convey such information to the public, but also to special target groups. Another aim is to describe ways, how climate data and information should be transferred and addressed for issues on tourism and recreation.

The session will also address efforts to combine different environmental impacts on humans into one single index, as it is well known that humans react to the whole mix of atmospheric stimuli. Our aim is to improve the requested information and to look for more efficient ways of conveying the message on a regular basis in order to enable citizens to make the best use of such information in their everyday activities.

Phenology 2015: Challenges in Phenology

The Third international conference on Phenology will be held at Kusadasi, Turkey, from 5 - 8 October 2015 is sponsored by the ISB and the Phenology Commission.
<http://ap1-006b.agrar.hu-berlin.de/upload/index.html>

It is a German/Turkish initiative of the Humboldt-University of Berlin and Adnan Menderes University Aydin and will be hosted by the Faculty of Agriculture.

The conference is organised by Frank-M. Chmielewski (Humboldt-University Berlin) and Osman Erekul (Adnan Menders University Aydin).

Calling all reviewers

The Society in conjunction with Springer is offering members the opportunity to review the new books in the broad area of Biometeorology and have their review of 500 – 800 words published in the Bulletin. Once the review is published a print version will be supplied to the reviewer. A Springer Account is needed to access an Online Book Review Copy.

As this is a new service for members could anyone who is interested please contact Marie Keatley at mrk@unimelb.edu.au or Elena Grigorieva eagrigror@yandex.ru first with the title they are interested in. This is so we can liaise with Springer.

Dear ISB members,

We are preparing for the next issues of the ISB Bulletin. Please provide us with any information you may have on upcoming conferences, workshops or other relevant ISB-related events or activities.

Editors,

Elena Grigorieva eagrigror@yandex.ru

and

Marie R. Keatley mrk@unimelb.edu.au