IASE News November 2022

IASE Executive News written by Joachim Engel (Past-President of IASE)

I am attaching the newsletter as a pdf document to this email. If the attachment of the newsletter is missing, you can find it at https://iase-web.org/News.php

As I am finalizing this newsletter, representatives of 197 countries meet in Egypt for the 27th World Climate Conference. As we drown in bad news about the impact of the climate change, raging wars and the surge of autocratic governments in many parts of the world, I recall the slogan of the International Statistical Institute "Statistical Science for a better world". Honest statistics are the backbone of sound decision making in all walks of life. Democracy thrives on evidence-based arguments. Another important ingredient to problem-solving is cooperation and community. We were delighted that this year's ICOTS11 provided an opportunity to meet, discuss our ideas and expand our network. In this newsletter, Carmen Batanero recalls how important community support has been to her for many projects and inspirations she has given back to our community. My own brief report on a visit to Chile right after ICOTS informs about the gift of hospitality and exchange. Several conference announcements and other news from the IASE community conclude this newsletter.

November 7, 2022   Joachim Engel

IASE history

IASE would like to learn from its history through the reflections of the previous IASE Presidents where possible. In this newsletter, we have memories of Carmen Batanero who was the President of IASE between 2001-2003 (see below). I heard so much about Carmen, and many of her papers. However, I am not as lucky as some of you who met her face-to-face, since I never had the opportunity to see her and chat with her. Thank you for the shared memories Carmen, I hope that we will create more memories.

A/Prof Ayse Aysin Bombaci Bilgin (A^2B^2**)**
President of the International Association for Statistical Education (IASE)

Memories of Carmen Batanero. IASE President 2001-2003

I started to be involved in Statistics Education in 1978, where I commenced teaching statistics to prospective mathematicians and biologists at the University College in Jaen, Spain. I had previously worked for seven years in the Ministry of Public Works in Madrid as a statistician and data analyst.

In 1988 my husband Juan D. Godino and I moved to Granada to start the first doctoral programme in Mathematics Education in

Spain and I moved to the Department of Mathematics Education, where I have been teaching prospective primary and secondary school teacher's different topics in mathematics education. In the doctoral programme I taught statistics education and research methods to students doing a doctoral dissertation in mathematics education.

Since several of my doctoral students were lecturers at the Mathematics Education department in Granada and performed a doctoral dissertation in different topics in Statistics Education, we created a research group in statistics education. In this group, 17 different researchers were involved until I retired in 2019; we were given several granted research projects from the Spanish government (mode information at https://www.ugr.es/~batanero/).

Since the very beginning of my stay in Granada I corresponded with Joan B. Garfield who started and maintained the Newsletter of the International Study Group for Research on Learning Probability and Statistics. I was a visiting researcher in Minneapolis in 1995 and took over the edition of this newsletter in October 1995. This newsletter was transformed in the Statistics Education Research Newsletter in 2000 edited by Gabriella Ottaviani, John Truran and myself. At that moment several IASE members, such as Joan Garfield, Gabriella Ottaviani, John Truran, Flavia Jolliffe and myself were interested in the academic recognition of research in Statistics Education (see discussion in the first issue of the Statistics Education Research Newsletter at http://www.iase-web.org/documents/SERJ/Newsjan00.pdf?1402525002). A clear conclusion of these discussions was that a new research area demanded a specific research journal. This is why, after conversations with the ISI publication committee, I lead the start of the Statistics Education Research Journal in 2002 (initially edited by Flavia Jollife and myself). Today the Statistics Education Research Journal has published 21 volumes and in listed in Scopus in a relevant position.

I was involved in the organisation of several IASE conferences. The first was the 1996 Roundtable conference on Role of Technology (Joan Garfield was the IPC Chair), which was held in Granada and provided a great opportunity to researchers in Granada to meet the main leaders in statistics education at that moment. Many participants in these conferences, such as Joan Garfield, Gail Burrill, Dani Ben-Zvi, Rolf Biehler, Manfred Borovcnik, Joachim Engel, James Nicholson, Gilberte Schuyten, Mike Shaughnessy or Jane Watson were involved in the IASE work for many years.

In 1997 I was elected Vice-President of IASE, president elect in 1999 and president in 2001. I continued as Past president until the fall of 2005. I was lucky to count with people such as Carol Blumberg, Lisbeth Cordani, Delia North, Gabriella Ottaviani, Brian Phillips, Lionel Pereira-Mendoza, Gilberte Schuyten, Susan Starkings, and Chris Wild who helped and guided my IASE work these years.

During this time I was responsible for the IASE matters section in the journal Teaching Statistics and IPC Chair the IASE 2000 Roundtable conference on Training Researchers in the Use of Statistics in Tokyo, which was supported by the Institute of Statistical Mathematics in Tokyo and the Japan Statistical Society, thanks to the help of Professor Yuki Miura. I also was IPC Chair in ICOTS 7 (Salvador de Bahia, Brazil, in 2006) with Lisbeth Cordani, Pedro Silva and Pedro Morettin in the local organisation, and Chris Reading, Susan Starkings, Allan Rossman, Beth Chance, John Harraway and John Shanks helping me in the scientific committee.

A main concern for me in my period as President was looking ways to link the Statistics Education and the Mathematics Education world. When I started as IASE Vicepresident the majority of IASE members and practically all the IASE Executive members came from Statistics departments or offices, while I came from a Mathematics Education department. I approached with this aim to members of the Executive Committee for the International Commission on Mathematical Instruction (ICMI, https://www.mathunion.org/icmi) an institution which organises conferences such as the ICME conferences and the ICMI Studies (https://www.mathunion.org/icmi/activities/icmi-studies-activities). A consequence was the inclusion in the ICME congresses (International Congress on Mathematics Education) of Topic Studies Groups in Teaching and Learning Statistics and Teaching and Learning Probability organised by IASE members.

In 2003 I was elected member of the ICMI Executive for the period 2003-2006. As a part of my work in this committee I was appointed to be Chair of the ICMI Study 18. Teaching Statistics in School Mathematics. Challenges for Teaching and Teacher Education (https://link.springer.com/book/10.1007/978-94-007-1131-0). This conference was organized in collaboration by the ICMI and the IASE, and for this reason many IASE friends were members of the committee, such as Gail Burrill, and Chris Reading who edited the Study book with me. Other committee members were Armando Albert, Dani Ben-Zvi, Doreen Connor, Joan Garfield, Jun Li, M. Gabriella Ottaviani, Maxine Pfannkuch, Lionel Pereira-Mendoza, Victor Polaki and Allan Rossman.

The conference of this study was held in Monterrey, Mexico in connection with the 2008 Roundtable conference, and was called Joint ICMI/IASE Study conference. Blanca Ruiz was a wonderful local organiser for the conference. The proceedings were published by the IASE (https://iase-web.org/Conference_Proceedings.php?p=2008_Joint_ICMI-IASE_Study).

Other initiatives to link together researchers in Mathematics and Statistics Education were the creation of statistics education groups in research conferences such as PME (Psychology of Mathematics Education) or CERME (Conference of the European Research on Mathematics Education). Given that I am Spanish and many Latin American countries share this language I also worked to expand Statistics Education and the IASE in countries like Argentina, Brazil, Chile, Colombia, Costa Rica, México, Panamá, Peru, Uruguay or Venezuela, many of which that now count with specific Statistics Education conferences and research groups. The newsletter Hipótesis Alternativa (http://www.ucv.ve/hipotesis) edited and maintained by Audy Salcedo summarise all the work in statistics education in Latin America.

As part of my duties as member of the IASE Executive I have been invited to give lectures in many mathematics education, statistics and statistics education conferences. Along all these years I published several books and many papers, helped edit statistics and mathematics education journals and conference proceedings and still collaborate occasionally in these activities. None of this had been possible without the help of all the colleagues to whom I am most grateful.

IASE 2023 Satellite Conference, 11-13 July 2023, Toronto, Canada

The theme of the conference is "Fostering Learning of Statistics and Data Science". We are organising this conference as a joint conference with IASC. We plan to have 5 topics as below:

Topic 1: Incorporating Data into the Curriculum
Topic 2: Cultivating Probabilistic Thinking for Data Analysis
Topic 3: Enhancing Statistics and Data Science in Schools
Topic 4: Promoting Inclusion in Statistics Education
Topic 5: TBD by IASC

IPC and Local Committee Members
Alison Gibbs (Chair of International and Local committees)
Sotirios Damouras (Deputy Chair)
Bethany White (Deputy Chair)
Elinor Jones (Proceedings editor)

We are having technical difficulties setting up the conference website. As soon as we fix the problems, we will publish the conference website. We expect some delays however we aim to have the web site ready before Christmas.

The instructions will be the similar to earlier satellites.
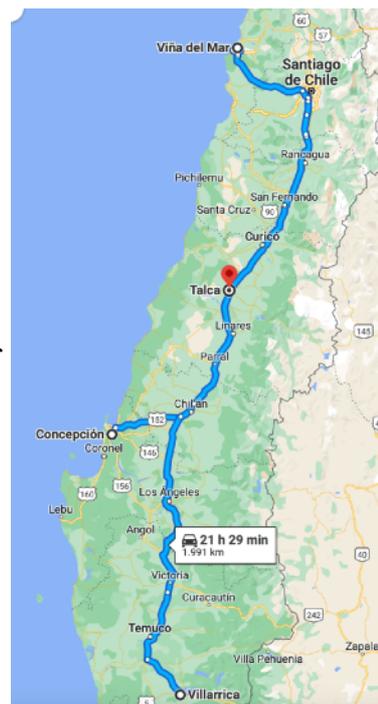If you have urgent enquiries please send an email to IASE2023.Satellite@gmail.com

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Work & Travel in Chile: Some Impressions from a post ICOTS Visiting Tour

Joachim Engel

The live blood of academic work is the exchange of ideas and cooperation. This is one of the reasons why onsite participants at ICOTS were enthusiastic to meet face-to-face after having been grounded for two years because of pandemic imposed restrictions. Immediately after ICOTS 11, I had the chance to visit four Chilean universities. I am grateful to Felipe Ruz (Valparaiso) for organizing this. At each location, I was welcomed by a very hospitable community and met some excellent folks in statistics education. There is a high level of consciousness and concern in Chile (and all of South America) about burning world problems such as sustainability, human rights, economic inequality etc. and the role of statistics in educating the youngsters and empowering the general public to get a better understanding of these burning issues.

Therefore, I met great interest in the concepts and approaches

for teaching statistics about society and the role of data science education, as developed by ProCivicStat, and the use of technology to visualize and explore data, from Tinkerplots, Codap, Gapmider to R.

Each of the four places visited was distinct in its focus and gave me some impression of the approaches pursued in Chile to improve statistics education. My onsite presentations were streamed as Webinars to allow a much broader audience to participate. I personally learnt a lot from the encounters, experienced great hospitality and openness – a great opportunity to expand the network and to continue cooperation. Last not least, it was great to see some of the natural beauties of the country and its culture.

My great thanks go to Felipe Ruz for facilitating this whole adventure, planning the itinerary and hosting me in Valparaiso. Also, I am grateful to my hosts Eugenio Chandia, Luisa Rivas Calabran, Guillermo Ferreira Cabezas (Concepcion), Claudia Vasquez, Claudia Parada (Villarrica) and Maria Maravena Diaz, Danilo Diaz Levicoy and Audy Salcedo (Talca).

64th ISI World Statistics Congress 2023 - Ottawa
Contributed Paper/Poster Sessions – Submit your Abstract!
Deadline: 21 November 2022

The ISI invites the statistical community to submit abstracts for presentation at the 64th WSC 2023, to be held 16-20 July in Ottawa, Canada. The WSC will highlight the developments and contributions of statistics, statistical science, and data science in all aspects of life. The WSC 2023 will host talks and presentations on a wide variety of topics, with the overall goal of presenting a balanced programme that provides a sense of the current state and future direction of statistics and their applications. The programme will span the full field of statistics including academia, business, industry, government and official statistics in line with the breadth of ISI and the Associations affiliated with ISI.

Contributed Papers/Posters can be submitted by any individual or organisation. Presentation will be during a session or as a poster presentation (preference can be indicated in the submission system). For presentation in a Contributed Paper Session, the contributed papers will be combined into sessions with as much similarity in topic coverage as possible. The

decision regarding the presentation mode for each accepted paper will be taken by the Scientific Programme Committee (SPC) considering the author's request, but also considering demand and capacity constraints.

For the submission to be considered by the SPC, it should include a title and an abstract (maximum of 500 words). In order to be included in the WSC Proceedings, a short paper (maximum 6 pages) will need to be submitted in 2023. The paper must not have been published in any other conference proceedings or publication before the 64th WSC. The copyright for the abstracts and papers in the proceedings resides jointly with the authors and the ISI. Authors are free to publish expanded versions of the material elsewhere.

Once accepted, a contributed paper will be listed in the programme and presented as a:
- Contributed Paper/Oral Presentation, or
- Poster Presentation

Please use the Submission System to submit your contributed paper/poster abstract. You will need to create a new account with e-mail and password for this system. (If you previously submitted an IPS proposal via the Submission System, please note that you can use the same account for submitting a CPS.) The submission should follow the instructions as given in each step of the Submission System.

ISI Platform Instructions:
1. Before submitting your abstract, you will need to register on the platform. (If you created an account to submit an IPS proposal, you can skip this step and login with your existing account.)
2. If/When you have already registered on the platform, you can login and view your profile and access the CPS submission platform.
3. Once you are registered and logged in, you need to go to the CPS proposal submission area.
4. Once in the submission area, please follow the guidelines below to submit your abstract. You can save a draft submission and come back to edit at any time. Once you press on submit, you will no longer be able to edit your abstract.
5. You can access your profile at any time to see the submissions you have created and to update your profile details.

Guidelines for CPS presenters are available online.
Do you have questions or issues submitting your IPS proposal? Please send an e-mail to scientific@isi2023.org.
WSC 2023 Team
International Statistical Institute
www.isi2023.org

OZCOTS (Australian Conference on Teaching Statistics) 14-15 December 2023, Wollongong, Australia

We invite you to participate in OZCOTS 2023, the 11th Australian Conference on Teaching Statistics. OZCOTS 2023 will run as a hybrid Conference on Thursday 14th and Friday 15th December, 2023 and will consider many challenges of teaching Statistics for future statisticians, statistical users and consumers under the theme of "Statistics as a Big Tent: Statistics and Data Science Education". OZCOTS 2023 is building on the success of the timing and format of earlier OZCOTS as a conjoint event with the Australian Statistical Conference (ASC), to be held as a hybrid Conference in Wollongong University, Australia and online, with an overlap on Thursday 14th December 2023.
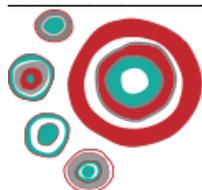
See more at https://www.asc2023.org/ozcots

IASE online workshops and webinars

Information about future or past IASE webinars can be found at https://iase-web.org/Webinars.php.

SERJ News

You can read the articles published in SERJ here.

The special issues is newly published and can be found here.

15th International Congress on Mathematical Education
7-14 July 2024 • ICC Sydney, Australia
Come and be counted

The 15th International Congress on Mathematics Education will be July 7-14, 2024 in Sydney Australia. Please visit the website for information and register your expression of interest and subscribe to the ICME-15 newsletter.

ISI Online Courses 2022

The ISI is currently holding Online Courses, organized in cooperation with the ISI Associations. The programme covers various areas of statistics and data science; an overview of the upcoming courses can be found on the website.

We invite you to register for the course(s) of your choice in advance in order to secure your spot. Registrations can be made via ISI Online Courses 2022. We have kept the fees as low as possible and offer discounted rates for students and participants from developing countries.

ISI Membership Elections

I strongly encourage all of the IASE members to become elected ISI members. The information needed to become an ISI elected member can be found at https://www.isi-web.org/membership/individual/elected. If you need help identifying people to nominate you ISI elected membership, you can find the names of ISI members at https://www.isi-web.org/about/members/individual. Please do not let one more year go, consider applying as soon as you can to become an elected ISI member to become a member of wider community.

Open positions at Montana State University

Dear IASE Members,

I (Stacey) am excited to announce that Montana State University (in beautiful Bozeman, MT) is hiring for two positions. Our department offers an emphasis in Statistics Education in our Statistics PhD program, and currently I'm the only statistics education faculty in the Statistics group (of eight faculty) in our department. We would be thrilled if we could fill one of these positions with someone in Statistics or Data Science Education!

The first position in particular lines up well with the area of Statistics Education – it is part of the College of Letters & Science "Cohort hiring initiative" to support a diverse student body, faculty and staff. This initiative (https://www.montana.edu/lettersandscience/cohorthire/) is looking for candidates that "focus on the wellness of underserved communities and whose scholarship may speak but is not limited to rural communities, the environment, community empowerment, community sustainability (environmental, governmental, or otherwise), health disparities (racial, gender, or rural), climate, and teaching pedagogy" (https://jobs.montana.edu/postings/32831). Applications received by November 17, 2022 will receive full consideration for the cohort hire position.

The second position is specific to the Department of Mathematical Sciences and is looking for a "scholar with research interests in computational and applied mathematics, including the mathematics of machine learning and data science" (https://jobs.montana.edu/postings/32779). Applications received by November 30, 2022 will receive full consideration for the applied math/data science position.

If you have any graduate students on the job market or know of anyone else who may be interested, please spread the word widely! Happy to answer any questions (stacey.hancock@montana.edu).

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