



International Association for Statistical Education

Association website: <http://iase-web.org>

Chair: Joachim Engel, IASE President

ANNUAL REPORT 2020-2021

**Presented to the IASE General Assembly meeting 2 September 2021, at
the Online Satellite Conference meeting at 5:30 CET**

1. IASE Executive Committee 2019-2021

President: Joachim Engel (Germany)

President-Elect: Ayse Bilgin (Australia)

Past-President: Gail Burrill (USA))

Vice-President: Stephanie Budgett (New Zealand)

Vice-President: Pedro Campos (Portugal)

Vice-President: Rob Gould (USA)

Vice-President: James Kaleli Musyoka (Kenya)

Vice-President: Teresita Terán (Argentina)

Ex-officio: Ada van Krimpen (The Netherlands), ISI Executive Director

See the IASE website: http://iase-web.org/About.php?p=Executive_Committee
for a complete list of additional colleagues who have *Special Assignments*

Preface:

2020 was a special year for all of us with new challenges. The Covid pandemic imposed many restrictions on most of us, including lockdowns for much of the year, a sudden switch to online teaching, rigid restrictions on travel and face-to-face contacts, alongside concerns about possible contagion. The Roundtable, which was to be held in Nanjing, China, had to be converted into an online format at relatively short notice. Many other meetings and conferences shared the same fate. At the same time, this was the year of booming online workshops, webinars and conferences.

2. Financial report

The 2020 financial report is attached in **Appendix A**, as supplied by the ISI Permanent Office. At the end of 2020 IASE had a total reserve of 102,856 Euros, 16,635 Euros less than 2019. In addition to membership fees, our annual conferences and especially the four-

yearly ICOTS, are an important source to raise revenues for IASE, needed to pay for many operational expenses. The 2020 Roundtable, being converted into an online format at short notice, was free of charges, so that the association's only income in 2020 came from membership fees. On the other hand, since no on-site conferences were held and had to be paid for, expenses were limited to office costs, website maintenance and design, and ISLP support. Also, note that the ASA funds given in 2019 and dedicated to support SERJ, were transferred to a separate account apart from the regular IASE account to facilitate the transition to the OJS system (see below) and to ensure the allocation of DOIs for older and current SERJ papers. Taking this into account the deficit of 2020 reduces to 2,483 Euros.

3. Membership

The membership as of July 7, 2021 was 356, including five institutional members (**Appendix B**), representing 72 different countries. While there is a concentration on some countries/ regions (USA: 90; EU: 58; Australia/ NZ: 31), there are 28 countries with only one IASE member and 10 countries with just two IASE members.

The association has a challenge to retain new members who sign up as part of the registration fee for conferences, as well as finding ways to remind existing members who seemingly forget to renew their membership. This is a topic for future discussion by the IASE Executive Committee.

4. SERJ

a) *Ongoing work:* A report about IASE's peer-reviewed journal, the *Statistics Education Research Journal* (SERJ) is attached in **Appendix C**. As can be seen, the journal is continuing its evolution, with a large number of submissions for regular papers. The Executive congratulates the SERJ editors and the entire editorial board for a job well done.

b) The Executive Committee thanks the whole editorial team (editors, associate editors, assistant editor) and the SERJ advisory board for their devoted and competent work. SERJ with its unique research profile takes an outstanding position among journals focusing on teaching and learning statistics and probability. Very special thanks go to Jennifer Kaplan as Editor-in-Chief and Daniel Frischemeier as Special Edition Editor for their dedication to advance SERJ. Jennifer's term as Editor-in-Chief was recently extended for another year.

c) *Publication Process:* After exploring other options, including established publishing companies, the publication of SERG has been transitioned to the Online Journal System (OJS). Editor Jennifer Kaplan (United States) and Special Edition Editor Daniel Frischemeier (Germany) have been working with Assistant Editor Noleine Fitzallen (Australia) on the transition to the OJS platform, which is expected to be completed by the end of 2021.

d) *SERJ Advisory Board:* The Advisory Board consisting of Chair Jane Watson (Australia) and members Daniel Frischemeier (Special edition editor, Germany), Jennifer Kaplan (Editor, USA), Maxine Pfannkuch (past editor, New Zealand), Rolf Biehler (at large, Germany), Michael Shaughnessy (at large, United States), Rebecca Nichols (ASA, USA) and Pedro Campos (IASE, Portugal) has defined the roles of the editors in the publication process, and has been interacting with respect to the transition to an online management

system. They also recommended the adoption of DOIs for SERJ, This has been done through Crossref through the efforts of the editors. In the future, all articles processed in OJS will have DOIs, and Daniel Frischemeier has been working with graduate students to add DOIs to articles from past issues. From 2020 on, SERJ is published three times a year (February, June, October) with one issue dedicated as a special topic issue. The next three Special Issues topics are: 2021 Statistics education in South America (initiated by previous Special Issue Editor Manfred Borovcnik), 2022 Data Science Education, and 2023 Early Statistical Thinking.

5. Conferences and events

a. Past events

- **2020: IASE Roundtable:** *New Skills in the Changing World of Statistics Education* (IPC chair: Sibel Kazak, Turkey), originally scheduled in Nanjing, China preceding the 14th International Congress of Mathematics Education in Shanghai could not be carried out as planned due to the corona pandemic. While ICME has been postponed to 2021, the Roundtable was converted to an Online conference, held between July 6 to July 12, 2020. With 19 submitted papers and 2 posters from presenters spanning across time zones ranging from GMT+12 to GMT-7, scheduling was quite a challenge. On the other hand, the Online format allowed opening the conference to 27 additional participants around the world. The proceedings were edited by Pip Arnold (New Zealand) and are accessible online from the IASE website
- **2021: The WSC63**, originally to be held in The Hague in The Netherlands between July 11-15, had to be converted to an online conference. Daniel Frischemeier (Germany) served as IASE representative on the 2021 WSC International Program Committee and under his coordination IASE members participated in Invited, Special and Contributed paper sessions. The congress was preceded by a program of short courses. The representative on the short course committee is Alison Gibbs (Canada).

b. Current and Future events

- **IASE Satellite Conference:** As writing these lines, the 2021 satellite conference is just a few days away with the theme *Statistics Education in the Era of Data Science*. Unlike at last year's Roundtable, the international program committee had more time to plan the online format. The IPC chair is Kimmo Vehkalahti (Finland), the proceedings editor is Reija Helenius (Finland), Anna Fergusson is in charge of setting up and monitoring the online technology including the Whova agenda. In order to meet all the challenges for a world wide online conference covering across 19 different times zones, the platform Whova was hired which also offers various opportunities for participants to network socially during the conference. With 188 registered participants this satellite far surpasses all previous IASE satellites. The registration fee was very modest, even free for some participants, the expected revenue of around 4500 € compares well with previous satellites. While we all greatly miss not being able to meet and connect with each other in person, the online format undeniably saves resources in terms of airline mileage, kerosene pollution, personal expenses and time (the latter does not apply to the program committees, ☺). It remains to be seen which format or

- which type of mixture in form of a hybrid conference with on-site and online elements will prove to be most efficient for promoting the cause of international exchange and advancement.
- 2022: **ICOTS11** to be held in Rosario, Argentina, between September 11-16, 2022 (re-scheduled to September after a survey among IASE members). Preparations are according to plan. Due to the precarious Covid situation, ICOTS 11 could become the first IASE conference to be held in hybrid format, i.e. with some people convening in Rosario, Argentina, while others participate from their homes or met at local or regional hubs. Bruno de Sousa (Portugal) is IOC chair, Teresita Teran (Argentina) local representative of the IPC and chair of the of the local organizing committee, and Sue Peters is proceedings editor.
 - DOIs Gail Burrill is working with the editors for the 2021 Satellite and ICOTS11 to add DOIs to the papers in the conference proceedings and steps are underway to add DOIs to papers from past conferences.

6. The International Statistical Literacy Project (ISLP)

Activities and people: The ISLP has continued another year of successful work. 16,600 students from 31 countries participated in the 2020-21 poster competition for school and university students. The competition for cooperative projects was also held in 2020. Winners of both competitions were announced at the Awards Ceremony at the WSC. Details are available from the ISLP website and the ISLP Newsletter (see website). The network of country coordinators is being expanded, and the project has been generating a rich newsletter with reports about activities and projects in many countries We thank the ISLP Director, Reija Helenius from Statistics Finland, the support of Statistics Finland itself, and contributions of the Deputy Directors: Steve MacFeely (Ireland), Pedro Campos (Portugal) and Adriana D'Amelio (Argentina).

7. IASE Website

The IASE website continues to evolve and expand and serves as a central platform for the work of the association and for enabling members and others to access the rich set of resources provided by IASE, including papers and articles in SERJ and in the ISLP newsletter, conference proceedings, links to other resources, and so forth. We thank the IASE webmaster, John Shanks (New Zealand) for his dedication and creativity.

8. Elections

This summer, the term for Stephanie Budgett, Pedro Campos and Teresita Teran serving as vice presidents on the Exec committee ended after 4 years. We are very thankful to them for their energies, ideas and commitment to IASE. According to our statutes Gail Burrill's term as past president ended, while Ayse Bilgin started as the new president right after the WSC and Joachim Engel became past president for the period 2021-2023. To fill the vacant positions, the Executive committee appointed a nomination committee to nominate officers for the 2021-2023 Executive Committee. Committee members were Gail Burrill (Chair, USA), Iddo Gal (Israel), Lucia Zapata-Cardona (Columbia), Jim Ridgway (UK) and Chris Reading (Australia). The committee nominated Pip Arnold (New Zealand), Sibel Kazak (Turkey), Aisling Leavy (Ireland), Mauren Porciúncula (Brazil), Audy Salcedo (Venezuela) and Bruno de Sousa (Portugal) as candidates for

vice president and Dani Ben-Zvi (Israel) as only candidate for president-elect. After the electronic vote of IASE members, administered by the ISI permanent office, I am pleased to announce the following 2021-23 Executive Committee:

President: Ayse Bilgin (Australia)
President-Elect: Dani Ben-Zvi (Israel)
Past-President: Joachim Engel (Germany)
Vice-President: Pip Arnold (New Zealand)
Vice-President: Rob Gould (United States)
Vice President: Sibel Kazak (Turkey)
Vice-President: James Kaleli Musyoka (Kenya)
Vice-President: Bruno de Sousa (Portugal)

9. Next meeting

The next meeting of the General Assembly will be held at ICOTS 11 during the week of September 11-16, 2022 in Rosario, Argentina.

10. Closing and look into the future: Thanks are sent to all IASE members and supporters for their continued collegiality and trust. We hope to hear from you with ideas or suggestions, and invite you to take part in future activities of the association, so that we can keep IASE's growth and impact in line with its mission.

12. Personal farewell from the outgoing President

It was a great pleasure to work with the many members of the IASE Executive Committee, expand our international friendships and benefit from the advice and support of many other association members, especially from the help and wisdom of our former Past-President Gail Burrill (USA) and other prior members of the IASE Executive. I was a pleasure and honor to work with you.

I wish the incoming President Ayse Bilgin, and the incoming Executive committee members and new President-Elect Dani Ben-Zvi a productive and enjoyable time, and look forward to continue working with them as Past-President.

Joachim Engel,

Ludwigsburg, Germany, August 23, 2021

Past President (2021-2023),
International Association for Statistical Education

STATEMENT OF INCOME AND EXPENDITURE IASE

	2020	2019	2018	2017	2016	2015	2014	2013	2012
INCOME									
Membership / contributions									
Individual members	7352	7.151	7.070	8.655	10.137	7.686	8.075	8.081	7.961
Institutional members	665	400	445	428	888	1.009	1.032	1.075	785
ISLP donations		-	296	210	196	96	63	70	
Other income		27.024	10.309	12.530	11.341	19.233	29.125	10.551	1.999
TOTAL INCOME	8007	34.575	18.120	21.823	22.562	28.024	38.295	19.777	10.745
EXPENSES									
Organisation									
Travel and meetings		17.422	6.057	1.003	-	2.590	533	2.158	1.556
ISLP costs									
Postage/ freight	18	165	107	48	81	113	179	107	105
Other	1053	-	8.499	7.430	7.788	9.803	16.869	9.976	425
Computer costs	2689	2.152	2.080	2.130	2.191	2.233	1.833	2.141	2.145
Stationary	7	43	78	18	14	16	93	148	140
Office equipment		-	8	8	8	51	-	-	
Telephone		-	15	22	22	26	22	11	24
Insurance	242	261	320	266	242	93	60	53	46
Bank charges	865	1.285	1.852	592	801	636	1.132	762	583
Staff costs (allocated)	4675	6.450	6.375	2.215	2.176	2.934	2.484	2.083	1.884
Consultants		95			-	251	56	170	197
Website+ Webshop maintenance	1624	1.879	2.420	538	684	263	304	80	2.304
Auditors	448	466	606		697	549	618	414	431
Correction ASA Support SERJ	14152								
Total organisation	25773	30.218	28.417	14.270	14.704	19.558	24.183	18.103	9.840
Depreciation debtors	-12	960	2.484	999	948	515	962	737	929
TOTAL EXPENSES	25.761	31.178	30.901	15.269	15.652	20.073	25.871	18.840	10.769
RESULT BEFORE FINANCIAL INCOME	-17.754	3.397	-12.781	6.554	6.910	7.951	12.424	937	-24
Equity Interest	1.119	11.332	-4.502	2.310	1.643	2.157	2.422	2.376	2.659
RESULT OF THE YEAR	-16.635	14.729	-17.283	8.864	8.553	10.108	14.846	3.313	2.635
Equity Fund January 1	119.491	104.762	122.045	113.181	104.628	94.520	79.674	76.361	73.726
Year-end adjustments									
Result	-16.635	14.729	-17.283	8.864	8.553	10.108	14.846	3.313	2.635
Equity Fund december 31	102.856	119.491	104.762	122.045	113.181	104.628	94.520	79.674	76.361
ISLP (Balance Sheet)		7.069							

1) ASA support for SERJ transferred to separate account

Appendix B: Membership Report

Our 356 (including 5 institutional) members are from 72 different countries. While there is a concentration on some countries/ regions, there are 28 countries with only one IASE member and 10 Countries with just two IASE members.

IASE Membership Interim Report		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
		19.12.07	18.12.08	31.12.09	31.12.10	05.12.11	31.12.12	19.12.13	30.10.14	31.12.15	29.12.16	31.12.17	28.11.18	05.07.20	24.08.21
IASE80	Developed Countries	170	156	148	115	132	110	126	125	186	115	108	96	156	107
IASE80R	Developed Countries - Retired (new 2016)										6	8	9	11	10
IASE81	Developing Countries	5	5	5	25	42	38	33	40	38	40	41	40	48	42
IASE81R	Developing Countries - Retired (new 2016)										0	0	0	1	
IASE82	ISI + IASE Developed Countries	118	116	115	103	107	93	87	93	83	75	73	68	68	70
IASE83	ISI + IASE Developed Countries - Retired	6	6	5	5	5	9	10	10	14	16	15	26	28	36
IASE84	ISI + IASE Developing Countries	20	19	18	33	32	32	33	32	29	30	32	27	25	28
IASE85	ISI + IASE Developing Countries - Retired	0	0	2	3	3	3	3	4	5	7	7	8	8	10
IASE86	Extra-ordinary Members ***	3	2	1	1	1	1	1	1	1	1	1	1	1	1
IASE88/89	Free: Honorary Members, ISI Life, Exempt ***	9	9	9		10	10	10	10	10	10	10	8	9	9
IASE801	ICOTS9 (18 months dev)				34	n.a.	n.a.	n.a.	76	0	0	n.a.	70	n.a.	n.a.
IASE802	ICOTS9 (18 months less dev)				1	n.a.	n.a.	n.a.	0	0	0	n.a.	5	n.a.	n.a.
IASE803D	Students - Developed Countries (new 2016)										3	8	2	4	7
IASE803L	Students - Developing Countries (new 2016)										3	5	7	1	1
IASE804D	Teachers - Developed Countries (new 2016)										5	6	8	17	13
IASE804L	Teachers - Developing Countries (new 2016)										3	5	9	12	17
Total Personal		331	313	303	329	332	296	303	391	366	314	319	384	389	351
*** Included in paid figure															
IASE87	Institutional	9	8	7	7	7	10	10	10	9	9	9	8	7	5
TOTAL		340	321	310	336	339	306	313	401	375	323	328	392	396	356

Appendix C SERJ Report 2020-2021

SERJ has had an increasing number of regular paper submissions. Below is a summary of manuscripts submitted and published between 1 January 2014 and 24 August 2021. Note the special issues in 2017 were extra issues. From 2020 on, we decided on 3 issues per year (published in February, June and November), of which one issue is for special topic.

Overall Summary of SERJ papers

Time period	Number of <i>Regular paper</i> new submissions	Number of <i>Regular paper</i> re-submissions	Number of <i>Regular papers</i> rejected	Number of <i>Regular papers</i> published	Number of <i>Special issue papers</i> published
Jan 2014 - Dec 2014	24	5	10	May - 4	¹ Nov - 16 (Petocz)
Jan 2015 - Dec 2015	35	8	25	May - 5 Nov - 5	
Jan 2016 - Dec 2016	39	24	27	May - 2	² Nov - 13 (Petocz)
Jan 2017 - Dec 2017	75	33	47	May - 7 Nov - 9	³ May - 18 (Borovcnik) ⁴ Nov - 12 (Groth)
Jan 2018 - Dec 2018	61	24	42	May - 8 Nov - 14	
Jan 2019 - Dec 2019	74	19	54	May - 7 Nov - 5	
Jan 2020 - Dec 2020	75	32	56	June - 5 Dec - 4	⁵ Feb - 18 (Borovcnik)
Jan 2021 - Dec 2021	48*		33	June - 5	

*through August 24, 2021

¹ Special issue on “A global view of statistics education research”. Guest Editors: Delia North, Enriqueta Reston, and Lisbeth Cordani.

² Special issue on “Learning and teaching probability in statistics”. Guest Editors: Egan Chernoff, Efi Paparistodemou, and Dionysia Bakogianni.

³ Special issue on “Statistical Literacy”. Guest Editors: Jim Ridgway and James Nicholson.

⁴ Special issue from the 9th Statistical Reasoning, Thinking and Literacy Forum on “Reasoning about models and modelling in the context of informal statistical inference”. Guest Editors: Rolf Biehler, Daniel Frischemeier, and Susanne Podworny.

⁵Special Issue on “Building Future Generations of Statisticians. Guest Editors: Ayse Bilgin and Peter Howley

Regular Papers

New Submissions: Geographical Location of Main Author

Year	New subs	USA	Ca	Aust /NZ	UK /Ire	EUR	Middle East	L.&S. Amer	Asia	Africa	EEU
2014	24	10	3	2	2	3	2		2		
2015	35	19		3	2	6	1		3	1	
2016	39	19		3	2	4	4	2	4		1
2017	71*	38	1	1	1	5	7	5	6	6	1
2018	61	25	2	2	1	8	7	2	7	6	
2019	74	25	3	5	1	5	6	4	16	8	
2020	43**	9	4	2	2	1	3	2	13	7	

* By 14 Dec 2017

** By 5 July 2020

Regular Papers published

Issue	No. papers	No. pages	Average pages per paper
May 2014	4	77	19.3
Nov 2014			
May 2015	5	136	27.2
Nov 2015	5	126	25.2
May 2016	2	57	28.5
Nov 2016			
May 2017	7	176	25.1
Nov 2017	9	190	21.1
May 2018	8		
Nov 2018	14		
May 2019	7		
Nov 2019	4		
Feb 2020	17		
June 2020	5		
Dec 2020	4		
June 2021	5		
TOTAL	82		