

## **International Association for Statistical Education**

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

Chair: Joachim Engel, IASE President

### **ANNUAL REPORT 2019-2020**

Presented to the IASE General Assembly meeting 12 July 2020, at the Online Roundtable Conference closing meeting at 11:00 GMT

#### 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

#### 2. Financial report

The financial report for 2019, reflecting the final financial impact of ICOTS10, held in 2018 and extensive support for the 2019 Satellite by Bank Negara Malaysia, is attached in **Appendix A**. By the end of 2019 IASE had a total reserve of 119,491 Euros, 14,726 Euros more than 2018.

#### 3. Membership

The membership as of May 26 was 398, including 9 institutional members (**Appendix B**). Over the last few years, membership has been more or less stable, with a typical influx of new members during ICOTS years. The association has a challenge to retain new members who sign up as part of the registration fee for conferences, as well as find 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 Manfred Borovcnik, whose term as editor ended formally in 2018 (with activities extending to 2019), for his work in producing interesting and timely special editions of SERJ. Manfred is succeeded by Daniel Frischemeier
- c) *Publication Process:* After exploring other options, including established publishing companies, the publication of SERG is being transitioned to the Online Journal System (OIS). Editor Jennifer Kaplan (United States) and Special Edition Editor Daniel Frischemeier (Germany) are working with incoming Assistant Editor Noleine Fitzallen (Australia) on the transition to the OJS platform, which will be implemented progressively and should be in place by 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 (at large, 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, been interacting with respect to the transition to an online management system. 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, 2022 Data Science Education, and 2023 Early Statistical Thinking.

#### 5. Conferences and events

#### a. Past and current events:

The IASE 2019 Satellite was held prior to the World Statistics Congress (WSC) in Kuala Lumpur, Malaysia, August 14-16, 2019 at the Sasana Kijang with the support of the Bank Negara Malaysia. Approximately 60 educators from over 37 countries participated in the meeting. Our thanks and appreciation go to the chair of the Local Organizing Committee, Zamalia Mahmud (Malaysia) and her colleagues from *Universiti Teknologi MARA* and Universiti Putra ensured that the conference went seamlessly, the participants were well fed, the excursion was worthwhile and interesting and the conference dinner a time to relax and enjoy Malayan music, dancing and food. The International Program Committee chaired by Laura Martignon (Germany) created a varied program with over 36 sessions that appealed to the different interests of the participants. The Proceedings of the Satellite edited by Stephanie Budgett (New Zealand) are available on the website <a href="https://iase-web.org/Conference Proceedings.php?p=2019">https://iase-web.org/Conference Proceedings.php?p=2019</a> Decision Making Based on Data.

The 62<sup>nd</sup> WSC was held August 18-23, 2019 immediately following the Satellite at the Kuala Lumpur Convention Center. Bruno de Sousa (Portugal) served as the IASE representative on the

2019 WSC International Program Committee and under his coordination, IASE members participated in Invited, Special and Contributed paper sessions during the Congress.

b. 2020: **IASE Roundtable**: *New Skills in the Changing World of Statistics Education* (IPC chair: Sibel Kazak, Turkey), scheduled for July 6-10 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 by presenters stretching 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 guests around the world who attended the sessions (as did everybody else) from their homes. An evaluation will give us some guidance in how Online elements may enrich future conferences, allow inclusion of guests who may not be able to travel, and perhaps create another channel for promoting discussion and interaction for IASE members.

#### c. Future events:

- 2021: WSC63 to be held in The Hague in The Netherlands between July 11-15, 2021. IASE representative for the WSC63 IPC is Daniel Frischemeier (Germany). The representative on the short course committee is Alison Gibbs (Canada).
- **IASE Satellite Conference** will be held, immediately following the 63<sup>rd</sup> WSC at The Hague between July 16-18. IPC chair is Kimmo Vekhelati from Finland. Detailed preparations will start soon after the Roundtable 2020. Check the IASE website for details.
- 2022: **ICOTS11** to be held in Rosario, Argentina. See the IASE website for details. Chair IPC: Bruno de Sousa (Portugal), LOC contact: Teresita Teran (Argentina).

#### 6. The International Statistical Literacy Project (ISLP)

a. Activities and people: The ISLP has continued another year of hard work. 15,000 students from 37 countries participated in the 2018-19 poster competition for school and university students. The competition for cooperative projects was also held in 2019. Winners of both competitions were announced at the Awards Ceremony at the WSC62. 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. ISLP is appreciative of the ISI Tokyo Memorial Fund and JMP, which are major sponsors of the ISLP work. The ProCvicStat website, a partnership project funded through a program of the European Union, has been migrated to the ISLP site and provides a rich set of resources for engaging students and teachers in statistics. 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. Statutes

The IASE Statutes changes did not recognize electronic voting, were not consistent with changes in ISI protocols and policies, and contained out-dated language. Draft changes to the Statutes were sent to the membership and posted on the website prior to the 2019 General Assembly during WSC62. The changes have been updated in light of comments from the members prior to the General Assembly and approved by the IASE Executive Committee. The changes were voted on at the General Assembly on August 22, 2019 and approved. In June of 2020 the ISI permanent office pointed to the need for some additional amendments. The proposed changes were sent to all IASE members for comment; those comments were used to revise the document, which was sent again for member comment. The revised document will be presented at the General Assembly (GA) closing session on July 12, 2020 for approval. The amended document will be sent to the ISI for implementation following the GA.

#### 10. Next meeting

The next meeting of the General Assembly will be held at the WSC63 during the week of July 11-16, 2021 in The Hague, The Netherlands.

#### 11.

Closing and invitation to contribute: Thanks are sent to all IASE members and supporters for your 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.

Joachim Engel,

Ludwigsburg, Germany, July 7, 2021

President,

International Association for Statistical Education

## Appendix A Financial Report IASE as of January 2019.

STATEMENT OF INCOME AND EXPENDI	TUDE	IACE											-
STATEMENT OF INCOME AND EXPENDI	IUKE	IASE										+	
NCOME													
Membership / contributions	+	2019	2018	2017	2016	2015		2014		2013	2012	+	
Individual members		7.151	7.070	8.655	10.137	7.68	6	8.075		8.081	7.961	-	
Institutional members		400	445	428	888	1.00	-	1.032		1.075	7.901	-	
ISLP donations		400	296	210	196		6	63		70	765	+	
Other income	1)	27.024	10.309	12.530	11.341	19.23		29.125		10.551	1.999		
TOTAL INCOME	1)	34.575	18.120	21.823	22.562	28.02		38.295	1	19,777	10.745	+	
TOTAL INCOME		34.575	10.120	21.023	22.502	20.02	*	30.293		19.777	10.745	+	
EXPENSES													
Organisation													
Travel and meetings	2)	17.422	6.057	1.003	-	2.59	0	533		2.158	1.556		
ISLP costs					-			-		-			
Postage/ freight		165	107	48	81	11	3	179		107	105		
Other	3)	-	8.499	7.430	7.788	9.80	3	16.869		9.976	425		
Computer costs		2.152	2.080	2.130	2.191	2.23	3	1.833		2.141	2.145		
Stationary		43	78	18	14	1	6	93		148	140		
Office equipment		-	8	8	8		1	-		-			
Telephone		-	15	22	22	1 2	6	22		11	24		
Insurance		261	320	266	242	9	3	60		53	46		
Bank charges		1.285	1.852	592	801	63	6	1.132		762	583		
Staff costs		6.450	6.375	2.215	2.176	2.93	4	2.484		2.083	1.884		
Consultants		95			-	25	1	56		170	197		
Website+ Webshop maintenance		1.879	2.420		684	26	3	304		80	2.304		
Auditors	$\perp$	466	606	538	697	54	9	618		414	431	4	
Total organisation		30.218	28.417	14.270	14.704	19.55	8	24.183		18.103	9.840		
Depreciation debtors	+	960	2.484	999	948	51	5	962		737	929	+	
TOTAL EXPENSES	+	31.178	30.901	15.269	15.652	20.07	3	25.871		18.840	10.769	+	
RESULT BEFORE FINANCIAL INCOME		3.397	-12.781	6.554	6.910	7.95	1	12.424		937	-24	Ŧ	
Equity Interest		11.332	-4.502	2.310	1.643	2.15	7	2.422		2.376	2.659		
RESULT OF THE YEAR		14.729	-17.283	8.864	8.553	10.10	8	14.846		3.313	2.635		
	$\perp$	404 700	100.015	440.404	404.000	0.150		70.074	H	70.004	70 700	+	
Equity Fund january 1	+	104.762	122.045	113.181	104.628	94.52	.0	79.674		76.361	73.726	+	
Year-end adjustments	+	44.700	47.000	0.001	0.550	40.4	0	44.010		0.040	0.005	+	
Result Equity Fund december 31		14.729 119.491	-17.283 <b>104.762</b>	8.864 122.045	8.553 113.181	10.10 104.62		14.846 <b>94.520</b>		3.313 <b>79.674</b>	2.635 <b>76.361</b>		
OLD (D. L OL )		7.000										T	
ISLP (Balance Sheet)		7.069										4	

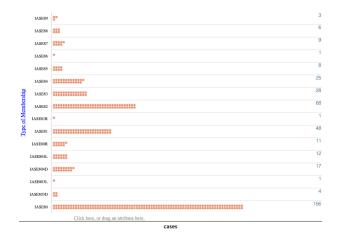
# **Appendix B Membership Report ICOTS10 General Assembly**



Our 398 members come from 70 different countries. From several countries we have only 1 or 2 members, from USA (107), UK (27), Australia (25), Japan (19) and New Zealand (15) we have many members.

#### Type of membership

IASE	
Developed Countries	IASE80
Developed Countries Retired	IASE80R
Developing Countries	IASE81
Developing Countries - Retired	IASE81R
ISI+IASE Developed Countries	IASE82
ISI+IASE Developed Countries – Retired	IASE83
ISI+IASE Developing Countries	IASE84
ISI+IASE Developing Countries – Retired	IASE85
Extra-ordinary members	IASE86
Institutional memberships	IASE87
FREE Members (ISI Life,Exempt,Honorary)	IASE88
Honorary Members	IASE89
11/2 years membership dues ICOTS - Developed	IASE801
11/2 years membership dues ICOTS - Developing	IASE802
Students - Developed	803D
Students – Developing	803L
Teachers - Developed	804D
Teachers – Developing	804L



			-	-		-			-		_			-
ASE Men	nbership Interim Report													
		2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	200
		05-07-2020	28-11-2018	31.12.17	29-12-2016	31-12-2015	30-10-2014	19-12-2013	31-12-2012	05-12-2011	31-12-2010	31-12-2009	18-12-2008	19-12-200
SE80	Developed Countries	156	96	108	115	186	125	126	110	132	115	148	156	17
SE80R	Developed Countries - Retired (new 2016)	11	9		6									
SE81 SE81R	Developing Countries Developing Countries - Retired (new 2016)	48	40	41	40	38	40	33	38	42	25	5	5	
			- 0											
SE82	ISI + IASE Developed Countries	68	68	73	75	83	93	87	93	107	103	115	116	1
SE83	ISI + IASE Developed Countries - Retired	28	26	15	16	14	10	10	9	5	5	5	6	
SE84	ISI + IASE Developing Countries	25	27	32	30	29	32	33	32	32	33	18	19	
SE85	ISI + IASE Developing Countries - Retired	8	8	7	7	5	4	3	3	3	3	2	0	
SE86	Extra-ordinary Members ***	1	1	1	1	1	1	1	1	1	1	1	2	
SE88/89	Free: Honorary Members, ISI Life, Exempt ***	9	8	10	10	10	10	10	10	10	9	9	9	
SE801	ICOTS9 (18 months dev)		70	n.a.	0	0	76	n.a.	n.a.	n.a.	34			
SE802	ICOTS9 (18 months less dev)		5	n.a.	0	0	0	n.a.	n.a.	n.a.	1			
SE803D	Students - Developed Countries (new 2016)	4	2	8	3									
SE803L	Students - Developing Countries (new 2016)	1	7	5	3									
SE804D	Teachers - Developed Countries (new 2016)	17	8	6	5									
SE804L	Teachers - Developing Countries (new 2016)	12	9	5	3									
otal Perso			384	319	314	366	391	303	296	332	329	303	313	3:
	in paid figure		304	319	314	300	391	303	290	332	329	303	313	
included	In paid figure													
SE87	Institutional	7	8	9	9	9	10	10	10	7	7	7	8	
DTAL		396	392	328	323	375	401	313	306	339	336	310	321	3
SE				28.11.18	2017	2016	2015	2014	2013	2012	2011	2010	2009	20
ew membe	ers:			131	38	29	20	110	35	28	26	45	14	
ancelled m	nembers:			71	40	87	56	35	38	58	34	28	34	
einstated				4	7	5	8	15	15	12	7	11	11	
et				64	5	-53	-28	90	12	-18	-1	28	-9	
Reinstated	figure can include members from past years)													

## **Appendix C SERJ Report 2018-2019**

SERJ has had an increasing number of regular paper submissions. Below is a summary of manuscripts submitted and published between 1 January 2014 and July 2019. 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 Regular paper new submission s	Number of Regular paper re- submission s	Number of Regular papers rejected	Number of Regular papers published	Number of Special issue papers published
Jan 2014 –	24	5	10	May - 4	<sup>1</sup> Nov – 16
Dec 2014  Jan 2015 –  Dec 2015	35	8	25	May – 5 Nov – 5	(Petocz)
Jan 2016 – Dec 2016	39	24	27	May - 2	$^{2}$ Nov – 13 (Petocz)
Jan 2017 – Dec 2017	71 (expect 75 end Dec)	33	47	May – 7 Nov – 9	<sup>3</sup> May – 18 (Borovenik) <sup>4</sup> Nov – 12
Jan 2018 – Dec 2018	61	24*	42	May– 8 Nov – 14	(Groth)
Jan 2019 – Dec 2019	74	19	54	May – 7 Nov-5	
Jan 2020- Dec 2020	43*	17*	30*	June -5	Feb - (16) (Borovcnik)

<sup>\*</sup>through July 5, 2020

<sup>&</sup>lt;sup>1</sup> Special issue on "A global view of statistics education research". Guest Editors: Delia North, Enriqueta Reston, and Lisbeth Cordani.

<sup>&</sup>lt;sup>2</sup> Special issue on "Learning and teaching probability in statistics". Guest Editors: Egan Chernoff, Efi Paparistodemou, and Dionysia Bakogianni.

<sup>&</sup>lt;sup>3</sup> Special issue on "Statistical Literacy". Guest Editors: Jim Ridgway and James Nicholson.

<sup>&</sup>lt;sup>4</sup> Special issue from the 9<sup>th</sup> 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.

<sup>&</sup>lt;sup>5</sup>Special issue not complete

## **Regular Papers**

## New Submissions: Geographical Location of Main Author

Year	New	USA	Ca	Aust	UK	EUR	Middle	L.&S.	Asia	Africa	EEU
	subs			/NZ	/Ire		East	Amer			
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	

<sup>\*</sup> 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		
TOTAL	82		