

International Association for Statistical Education

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



ANNUAL REPORT 2022-2023

Presented to the IASE General Assembly meeting
19 July 2023, 12:10 - 1:50 pm (duration 1.5 hour)
Ottawa, Canada

Zoom Link:

<https://macquarie.zoom.us/j/89965821351?pwd=Vmk1ai9BK081ZTFKV3lidGxKb2tLQT09>

Password: 843322

Chair: Ayse Bilgin, IASE President

1. IASE Executive Committee 2021-2023

President	Ayse Aysin Bilgin (Australia)
President-Elect	Dani Ben-Zvi (Israel)
Past-President	Joachim Engel (Germany)
Vice-President	Pip Arnold (New Zealand)
Vice-President	Sibel Kazak (Turkey)
Vice-President	Bruno de Sousa (Portugal)
Vice-President	Rob Gould (USA)
Vice-President	James Kaleli Musyoka (Kenya)
Ex-officio	Ada van Krimpen & Conchita Kleijweg, ISI Director

Full list of contributions by members who took special assignments can be found at https://iase-web.org/About.php?p=Executive_Committee

IASE executive committee met in Oct, Nov and Dec 2022; Jan, Feb, Mar, Apr, May and Jun 2023. The committee made a series of decisions such as

- establishment of the **IASE Conference committee** (Chair: Prof Rob Gould) to build an organisational memory and assist future IASE Conferences,
- appointment of the **IASE 2023 Satellite local organising committee** members (Chair: Prof Alison Gibbs);
- progressing towards **moving the IASE webpage** to a new portal along with ISI which will enable IASE Executives to easily implement most changes on the website (to enable this transition, we formed an IASE Website committee (Chair: Prof Dani Ben-Zvi);
- supported local initiatives such as **INCREASE** in Brazil (Mauren Porciuncula, Carlos Eudardo Ferreira Monterio, Iddo Gal);
- formed the **IASE Nominations Committee** (Chair: Prof Joachim Engel) to receive nominations and recommend possible candidates to IASE Executive for 2023-2025 Executive committee vacancies, then the online election was organised by ISI;
- appointment of VP James Kaleli Musyoka to **64th ISI WSC IPS sessions selection committee**;
- appointment of the **IASE 2024 Roundtable local organising committee** members;
- approval of the recommendations received from the **ISLP** Executive board for the ISLP Advisoryboard members, such as Deputy Director;
- approved 2023 **Budget**;

- approved recommendations from **SERJ** Advisoryboard such as moving SERJ server to OJS, appointment of new associate editors, SERJ language policy and more;
- starting the discussions for the **IASE 2025 Satellite conference** to take place in a close location to 65th ISI WSC in Hague, Netherlands;
- .

There are many things that we would like to do and we are always open to suggestions for the improvement of IASE activities, outreach and inclusivity. Each month the IASE newsletter was sent to more than 1,000 statistics educators (some are the IASE members some are not). Our Webinars attracted many participants across the world. SERJ has published 3 issues in 2022 and one in 2023 so far.

The results of the election are the President-Elect 2023-25 is Prof Alejandra Sorto (USA), Olushina Olawale Awe (Nigeria) and Katie Makar (Australia). IASE outgoing Executive committee members are Past-President Prof Joachim Engel (Germany), Vice Presidents Prof Rob Gould (USA) and Dr James Kaleli Musyoka (Kenya).

2. Financial Report

The preliminary financial report for 2022 is attached in **Appendix A**, supplied by the ISI Permanent Office. By the end of 2022 we had a total reserve of €131,680, i.e., a surplus of €17,634, double the amount of planned and more than the earlier years since 2017. The explanatory notes below the financial statement clarify the nature of key expenses and income items. As can be seen, individual membership income has increased compared to 2021 and it was more than budgeted. ICOTS 11 income and expenses are presented separate in the statement and it is great to see that despite all the problems we faced while organising ICOTS 11, the conference made €37,665 (mostly due to currency exchange rate changes).

3. Membership

The interim membership report created on 8 May 2023 is attached in **Appendix B** which includes more than 10 years of data. As can be seen, over the last few years membership have been more or less stable, even though we lost a number of members during COVID (in 2020 specifically), we are recovering from the impact of pandemic and increasing our member numbers. The number of student and teacher members from the developing countries started to increase in 2022 and we will continue to work on bringing new members in the coming years. As the members of IASE, please spread the value of the IASE membership so that we can work together to increase our members base. The new members we gained through ICOTS 11 can be noticed on developing country membership rows (from 35 in 2021 to 59 at the end of 2022). We need to work harder maintaining and increasing institutional members. The table below shows the number of members on the last day of each year, except in 2023.

Number of members					
	2023 (8 May)	2022	2021	2020	2019
Personal	457	431	342	314	381
Institutional	6	6	6	8	9
Total	463	437	348	322	390

4. Webinars held since January 2022

The IASE Vice President Pip Arnold has been organizing the IASE webinars since November 2021. Previous IASE president Prof Gail Burrell has been supporting Pip behind the lime light. The list of webinar below is clear indication how IASE has been increasing its inclusivity and outreach by inviting scholars from different countries and cultures. The resources and recordings of our webinars can be found at <https://iase-web.org/Webinars.php>

- 23 May 2023 : Statistical Edutainment - an ISLP webinar in conjunction with IASE by John Bailer (USA), Paolo Noceda (Philippines), Maulana Faris (Indonesia), José Pinto Martins (Portugal), Jo Roislien (Norway)
- 26 Apr 2023 : Publishing in SERJ: Processes and Suggestions by Jennifer Kaplan (USA), Sue Peters (USA)
- 7 Mar 2023 : Machine learning in secondary statistics education - challenges and possible ways to address them by Rolf Biehler (Germany), Yannik Fleischer (Germany)
- 7 Dec 2022: Statistical and Data Literacy in Policy-Making by Reija Helenius (Finland), Steve MacFeely (Switzerland), Walter Radermacher (Germany), Giulio Sabbati, Milo Schield (USA), Katharina Schüller (Germany), Gaby Umbach (Italy)
- 29 Nov 2022: Through a glass darkly - question and answer sesión by Chris Wild (NZ)
- 6 Oct 2022: Critical Theory in Statistics Education by Lucia Zapata-Cardona (Colombia), Travis Weiland (USA)
- 12 Sep 2022: ICOTS keynote presentations by Thomas Lumley (NZ), Steve MacFeely (Switzerland), Walter J. Radermacher (Germany), Marcos Magalhães (Brazil)
- 22 Jul 2022 : CODAP: starting from zero (workshop 2) by Tim Erickson (USA)
- 21 Jul 2022 : CODAP: starting from zero (workshop 1) by Tim Erickson (USA)
- 21 Jun 2022 : Projetos de Aprendizagem Estatísticos na Educação Básica e Superior | Statistical Learning Projects in Basic and Higher Education | Proyectos de Aprendizaje Estadístico en la Educación Básica y Superior by Mauren Porciuncula (Brazil)
- 12 May 2022 : Using the R/exams package for an efficient workflow to design, produce and mark online assessments while safeguarding the academic integrity by Jaslene Lin (Australia)
- 11 Apr 2022 : Raising statistical modeling accessibility to young learners by Michal Dvir – (Israel)
- 14 Mar 2022 : What every (numeracy) educator working with (young) adults should know about Civic Statistics, and why By Iddo Gal (Israel)
- 9 Mar 2022 : What does data science mean for statistics education? By Rob Gould (USA) & Helen MacGillivray (Australia)

5. Prizes/awards

We presented recognition certificate for various members due to their contributions to IASE satellite, ICOTS 11, webinars and other activities. During ICOTS 11, we have given out following Awards:

Best ICOTS Paper by an Early Career Researchers

This award is given to an early career scholar who is a current student or achieved the most recent academic qualification within the last five years. Quality of papers evaluated based on writing quality, scholarly content and innovation and significance of the content

for research and/or for practice and teaching/learning in statistics education. Award committee considers all submitted papers.

Anne Patel, Professional Teaching Fellow, The University of Auckland, New Zealand: A framework for capturing the development of statistical concepts

Best ICOTS Paper by Early Career Researchers, Honourable mention

This award is given to the early career scholars who were close to winning the Best ICOTS award.

- **Kristen E Roland** – Brody and Jamie’s colleague: The difference in confidence interval estimators and estimates
- **Darren Macey** – The keys to the kingdom: Why we can’t ignore assessment if we care about real improvement in the teaching and learning of statistics
- **Leidy Nataly Mateus-Aguilera** - Estado Del Arte Sobre La Educación Estadística Y La Consideración De Las Diferencias Individuales De Los Estudiantes | State of the art on statistical education and consideration of individual differences of students.
- **Janielly Verbisck** - Study and research paths for statistics teacher education at secondary school level: An exploratory study (also in developing countries awards)

Best ICOTS Paper by Author(s) from a Developing Country

This award is given to author(s) from a developing country as defined by the World Bank. Quality of papers evaluated based on writing quality, scholarly content and innovation and significance of the content for research and/or for practice and teaching/learning in statistics education. Award committee considers all submitted papers.

Eleazar Silvestre, Manuel Urrea, Miguel Medina, Mexico: How do tertiary students assess sampling on social contexts and media reports? Exploring students’ statistical literacy with relation to sampling (Mexico)

Best ICOTS Paper by Author(s) from a Developing Country, Honourable mention

Janielly Verbisck - Study and research paths for statistics teacher education at secondary school level: An exploratory study (Brazil)

Oluyemi Adwole Okunlola, Peter Oseghale Ohue, Dorcas Modupe Okewole, Akintande Joseph Olalekan, Hope Ifeyinwa Mbachu, and Olusanya Elisa Olubusoye – Benchmark regulation and delivery of statistics education at the university level in Nigeria (Nigeria)

All of the ICOTS paper awards were recommended by the **IASE awards committee**.

Gail Burrill (Chair) (USA), Jim Ridgeway (UK), Katie Makar (Australia), Delia North (South Africa) and Audi Salcedo (Venezuela)

6. Conferences

ICOTS 11 was held in Rosario, Argentina as hybrid conference where majority of participants were from South America. Best paper awards were given to early career and researchers from developing countries. ICOTS 11 was awarded a prestigious [Juárez Lincoln Martí \(JLM\) Award for International Educator Award](#). More information about ICOTS 11 was presented in the [IASE Newsletters](#). ICOTS 11 Proceedings can be found at https://iase-web.org/Conference_Proceedings.php?p=ICOTS_11_2022

64th ISI WSC – The congress received a total of 22 proposals for **IASE** related sessions. 16 of these were accepted (see January 2023 news). In addition there are two Special

Invited Paper Sessions for IASE: SIPS IASE president's invited speaker and SERJ. This conference will only be face to face.

IASE 2023 Satellite conference - Fostering Learning of Statistics and Data Science will be our first hybrid satellite conference between 11-13 July 2023. There will be some sessions by IASC members.

[15th International Congress on Mathematics Education](#) will be July 7-14, 2024 in Sydney Australia. **IASE 2024 Roundtable** will be between 2 – 5 July 2024 in Auckland.

65th World Statistics Congress, will held between 13–17 July 2025 at the World Forum The Hague, Netherlands. IASE will sponsor IPS and SIPS sessions at 65th WSC and we expect that many of our members will also present contributed papers. **IASE 2025 Satellite** will be organised close these dates and location.

ICOT 12 will be held between 12 – 17 July 2026 in Brisbane, Australia.

7. Statistics Education Research Journal (SERJ)

SERJ Advisoryboard:

Rolf Biehler (Chair) until 1 February 2026

Susan Peters (Editor) since 1 February 2023

Jane Watson (at large – previous chair) until 1 February 2024

Iddo Gal (at large) until 1 February 2028

Jennifer Kaplan (Past- Editor) since 1 February 2023

Daniel Frischmeier (Special edition editor) (no end date specified)

Maxine Pfannkuch (Past Editor) finished on 1 February 2023

Noleine Fitzallen (SERJ Assitant Editor) (no end date specified)

Bruno De Sousa (IASE rep) until he is no longer IASE VP

Ayse Bilgin (ex-officio) (IASE President) until 2023 ISI WSC

Dani Ben-Zvi (ex-officio) (IASE President) until 2025 ISI WSC

SERJ published 2 regular issues and one special issue in 2022 and so far one regular issue in 2023.

[ISSUE 1 2022 – Regular Issue](#)

[Challenges Associated With Measuring Attitudes Using The Sats Family Of Instruments](#)

[Douglas Whitaker, Alana Unfried, Marjorie Bond](#)

[\(Mal\)Adaptive Cognitions As Predictors Of Statistics Anxiety](#) Sara-Emillie Mcintee, Jean-Christophe Goulet-Pelletier, Alexandre Williot, Emma Deck-Léger, Daniel Lalande, Michael Cantinotti, Denis Cousineau

[Assessing Secondary School Students' Statistical Reasoning, Attitude Towards Statistics, And Statistics Anxiety](#) Siti Shahirah Saidi, Nyet Moi Siew

[Computes: Development Of An Instrument To Measure Introductory Statistics Instructors' Emphasis On Computational Practices](#) Chelsey Legacy, Andrew Zieffler, Elizabeth Brondos Fry, Laura Le

[Design Principles For Developing Statistical Literacy In Middle Schools](#) Christian Büscher
[Characterizing Student Experience Of Variation Within A Stem Context: Improving Catapults](#) Jane Watson, Noleine Fitzallen, Suzie Wright, Ben Kelly

[Developing The Statistical Problem Posing And Problem Refining Skills Of Prospective Teachers](#) Aisling Leavy, Daniel Frischmeier

[Evaluating The Impact Of Worked Example Videos For Blended Learning In A Large-Enrolment Business Statistics Course](#) Sarah Dart

[Navigating A Disciplinary Chasm: The Statistical Perspectives Of Graduate Teaching Assistants](#) Kelly Findley

[Fairness In Games: A Study On Children's And Adults' Understanding Of Probability](#) Rita Batista, Rute Borba, Ana Henriques

[Issue 2 2022 -Special Issue On Data Science](#)

[Editorial: Research On Data Science Education](#) Rolf Biehler, Richard De Veaux, Joachim Engel, Sibel Kazak, Daniel Frischemeier

[Toward Holistic Data Science Education](#) Richard De Veaux, Roger Hoerl, Ron Snee, Paul Velleman

[Investigating Data Like A Data Scientist: Key Practices And Processes](#) Hollylynn Lee, Gemma Mojica, Emily Thrasher, Peter Baumgartner

[The 5ws And 1h Of Term Projects In The Introductory Data Science Classroom](#) Mine Cetinkaya-Rundel, Mine Dogucu, Wendy Rummerfield

["I Love Math Only If It's Coding": A Case Study Of Student Experiences In An Introduction To Data Science Course](#) Erica Heinzman

[A Place For A Data Science Project In School: Between Statistics And Epistemic Programming](#) Susanne Podworny, Sven Hüsing, Carsten Schulte

[Teaching And Learning Data-Driven Machine Learning With Educationally Designed Jupyter Notebooks](#) Yannik Fleischer, Rolf Biehler, Carsten Schulte

[Introducing High School Statistics Teachers To Predictive Modelling And Apis Using Code-Driven Tools](#) Anna Fergusson, Maxine Pfannkuch

[Integrating The Humanities Into Data Science Education](#) Eric A. Vance, David R. Glimp, Nathan D. Pieplow, Jane M. Garrity, Brett A. Melbourne

[Machine Learning For Non-Majors: A White Box Approach](#) Koby Mike, Orit Hazzan

[Data Scientists' Epistemic Thinking For Creating And Interpreting Visualizations](#) Charlotte Bolch, Kent Crippen

[Work Integrated Learning In Data Science And A Proposed Assessment Framework](#) Ayse Aysin Bombaci Bilgin, Angela Powell, Deborah Richards

[Issue 3 2022 – Regular Issue](#)

[An Analysis Of Teachers' Confidence In Teaching Mathematics And Statistics](#) Odette Umugiraneza, Sarah Bansilal, Delia North

[Initial Attitudes Toward Statistics Are Better In Traditional Compared To Online Courses, At Least Until Covid-19](#) Hiroki Matsuo, Aleise L. Nooner, Amy R. Pearce

[Psychometric Evaluation Of The Students' Attitudes Toward Statistics And Technology Scale \(Sastsc\)](#) Alyssa Counsell, Joseph Rovetti, Erin Buchanan

[Student Performance In Curricula Centered On Simulation-Based Inference](#) Beth Chance, Nathan Tintle, Shea Reynolds, Ajay Patel, Katherine Chan, Sean Leader

[Young Children's Use Of Subjective Thinking In Response To Probabilistic Tasks](#) Mary Kingston, Aisling Twohill

[Issue 1 2023 – Regular Issue](#)

[Editorial by Jennifer Kaplan](#)

[Active Learning And Academic Performance: The Case Of Real-Time Interactive Student Polling](#) By Amir Arjomandi, Alfredo Paloyo, Sandy Suardi

[The Role Of Non-Cognitive Factors In The Introductory Statistics Classroom](#) By Dan Spencer, Emily Griffith, Kayla Briska, Justin Post, Chris Willis

[A Conceptual Framework For Formative Assessment In Large-Enrollment Introductory Statistics](#) By Kimberleigh Felix Hadfield

[Student-Generated Connections In Learning About Compound Probability And Their Emergence During Instruction](#) By Randall Groth, Megan Rickards, Elizabeth Roehm

[Role Of Context In Statistics: Interpreting Social And Historical Events](#) By Zuhal Yilmaz, Kübra Ergül, Gürsu Aşık

8. International Statistical Literacy Project (ISLP)

New members of **ISLP Advisoryboard** were recommended by ISLP and approved by the IASE Executive committee in April 2023. Saleha Naghmi Habibullah (Coordinator for Asia and Deputy Director), Irena Ograjenšek (Coordinator for ISLP webpage) and Milo Schield member of the ISLP Advisory Board.

9. IASE News

IASE supported local events and informed our members about them through our IASE News web page (<https://iase-web.org/News.php>).

IASE News included previous presidents contributions to the IASE and IASE community. There are still a few reflections of the presidents before we move to other interesting news/refelctions from the IASE community.

10. Other Activities

ISI membership: IASE actively promoted its members to become ISI members and we will continue to do that in the future. The information needed to become an ISI elected member can be found at <https://www.isi-web.org/isi-elected-membership>

IASE Online Community was tired with no success in 2022. In collaboration with ISI, we will start exploring a new online community for IASE members. The details will be included in future newsletters.

Appendix A: 2022 IASE Financial Report

International Statistical Institute The Hague							
STATEMENT OF INCOME AND EXPENDITURE IASE							
INCOME							
	2022 prelim	2022 Budget	2021	2020	2019	2018	2017
Membership / contributions							
Individual members	10,721	8,200	8,276	7,352	7,151	7,070	8,655
Institutional members	645	800	855	655	400	445	428
ISLP donations			-	-	-	296	210
ICOTS 11 Income	138,916	134,000	6				
Other income (2021 bank receipts satellite)	-	16,160	1	5,560	-	27,024	12,530
TOTAL INCOME	150,282	159,160	14,691	8,007	34,575	18,120	21,823
EXPENSES							
Support		1,000	7				
Travel and meetings	3,070	4,500	8	-	17,422	6,057	1,003
Satellite Meeting		1,249	2				
Correction ASA support SERJ		-	A	14,152			
ISLP costs	1,000	1,000	5	1,000			
Postage/ freight	26	20		19	165	107	48
Other	206	1,000	9	1,953	-	8,499	7,430
ICOTS 11 expenses	101,251	131,000	3				
Computer/Systems costs	2,836	2,700		2,557	2,689	2,152	2,130
Stationary		50		6	60	43	18
Office equipment	8				-	8	8
Telephone					-	15	22
Insurance	285	250		255	242	320	266
Bank charges	1,368	850		964	865	1,285	592
Allocated Staff costs	7,225	5,245		5,125	4,675	6,450	2,215
Direct Staff Costs		-					
Consultants	56				95		
Website	2,376	1,500	4	225	178		
Website Maintenance	856	1,250		981	1,446	2,420	
Auditors	518	450		508	448	606	538
Total organisation	121,081	151,064	12,593	25,773	30,218	28,417	14,270
Depreciation debtors		-		-12	960	2,484	999
TOTAL EXPENSES	121,081	151,064	12,593	25,761	31,178	30,901	15,269
RESULT BEFORE FINANCIAL INCOME	29,201	8,096	2,098	-17,754	3,397	-12,781	6,554
Equity Interest	-11,567		9,092	1,119	11,332	-4,502	2,310
RESULT OF THE YEAR	17,634	8,096	11,190	-16,635	14,729	-17,283	8,864
Equity Fund january 1	114,046		102,856	119,491	104,762	122,045	113,181
Result	17,634		11,190	-16,635	14,729	-17,283	8,864
Equity Fund december 31	131,680		114,046	102,856	119,491	104,762	122,045
ISLP (Balance Sheet)	3,188			8,069	7,069		
IASE Support SERJ (ASA)	13,068		14,152	14,152			
Balance Sheet Prepaid for Satellite 2023	-3928						
1. For all direct costs and specification ICOTS expenses see separate sheet							
2 5160 Euros = 4700 Euro direct payments in PayPal + bank transfers assuming 460 were the bank \$1279 US dollars paid on 15/6/2021 Whova platform + \$240 US dollars paid on 30/8/2021 Whova storage							
2 Total \$1519 US dollars. I assume that is equal to 1249 Euro							
Please help me to understand where did ASA donated money go and how much of it already spend							
A							
5 We could continue supporting ISLP							
ICOTS 11 expenses could go here but it would be better to separate ICOTS 11 as a line item similar to IASE satellite 2021							
3 Other ICOTS 11 expenses (room hire, Whova, meals etc) 5000 Euros							
4 Website hosting and maintenance (John Shanks)							
6 11000 Euros = ICOTS 11 registration fees							
7 Support for members from developing countries to attend ICOTS 11							
Support for president to attend ICOTS 11 in Argentina (\$2500 AUD = 1600 Euro flight + accommodation and meal expenses \$1500 AUD = 1000 Euro)							
8 Keynote speaker expenses 2000 Euros							
9 Any unplanned expenses							

Appendix B: 2023 IASE Interim Membership Report (8 May 2023)

IASE Membership Interim Report		Paid to date	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
		08-05-2023	8/05/2023	31/12/2022	31/12/2021	31-12-2020	31-12-2019	07-12-2018	31/12/2017	09-01-1900	31-12-2015	30-10-2014	19-12-2013	31-12-2012	05-12-2011	31-12-2010
IASE80	Developed Countries	68	99	92	104	93	81	96	108	115	186	125	126	110	132	115
IASE80R	Developed Countries - Retired (new 2016)	7	10	11	10	9	10	9	8	6						
IASE81	Developing Countries	22	62	59	35	32	45	40	41	40	38	40	33	38	42	25
IASE81R	Developing Countries - Retired (new 2016)	0	0	0	0	0	1	0	0	0						
IASE82	ISI + IASE Developed Countries	50	75	69	67	68	64	68	73	75	83	93	87	93	107	103
IASE83	ISI + IASE Developed Countries - Retired	31	40	39	38	33	25	25	15	16	14	10	10	9	5	5
IASE84	ISI + IASE Developing Countries	24	38	31	27	24	24	27	32	30	29	32	33	32	32	33
IASE85	ISI + IASE Developing Countries - Retired	3	9	9	11	10	9	8	7	7	5	4	3	3	3	3
IASE86	Extra-ordinary Members ***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IASE88/89	Free: Honorary Members, ISI Life, Exempt ***	10	10	10	9	9	10	8	10	10	10	10	10	10	10	9
IASE801	ICOTS9 (18 months dev)	27	27	27	n.a.	n.a.	71	70	n.a.	0	0	76	n.a.	n.a.	n.a.	34
IASE802	ICOTS9 (18 months less dev)	7	7	7	n.a.	n.a.	3	5	n.a.	0	0	0	n.a.	n.a.	n.a.	1
IASE803D	Students - Developed Countries (new 2016)	4	8	8	7	5	1	2	8	3						
IASE803L	Students - Developing Countries (new 2016)	17	22	19	1	1	17	7	5	3						
IASE804D	Teachers - Developed Countries (new 2016)	10	18	17	14	13	9	8	6	5						
IASE804L	Teachers - Developing Countries (new 2016)	9	31	32	18	16	10	9	5	3						
Total Personal		290	457	431	342	314	381	383	319	314	366	391	303	296	332	329
*** Included in paid figure																
IASE87	Institutional	2	6	6	6	8	9	8	9	9	9	10	10	10	7	7
TOTAL		292	463	437	348	322	390	391	328	323	375	401	313	306	339	336
IASE		8/05/2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	
New members :		31	127	48	29	41	131	38	29	20	110	35	28	26	45	
Cancelled members		7	44	37	101	54	70	40	87	56	35	38	58	34	28	
Reinstated		4	7	16	4	9	4	7	5	8	15	15	12	7	11	
Net		28	90	27	-68	-4	65	5	-53	-28	90	12	-18	-1	28	
(Reinstated figure can include members from past years)																