

CONTENTS

STAKEHOLDER ENGAGEMENT

- IAA Releases Climate Science: A Summary for Actuaries
- International Women's Day

UPCOMING EVENTS

- Council and Committee Meetings
- 6th African Actuarial Congress
- International Congress of Actuaries (ICA 2023)
- ICA 2023 Bursary Fund

SECTION NEWS

- Join the IAA Sections today!
- IAALS Section Webinar: Point and Interval Forecasts of Death Rates Using Neural Networks
- IAAHS Section Webinar: Closing the Financial Gap in Colombia's Health Section: A New Methodology for Calculating the UPC
- ASTIN Section Webinar: Fairness and discrimination in actuarial pricing

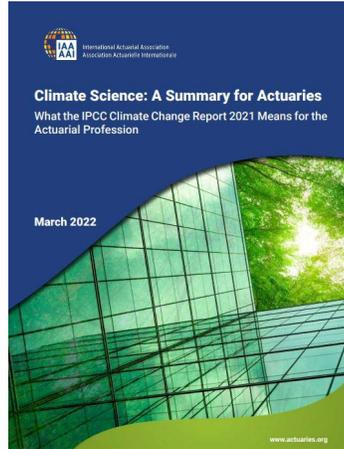
NEWS FROM MEMBER ASSOCIATIONS

- Canadian Institute of Actuaries
- Deutsche Aktuarvereinigung
- Instituto dos Atuários Portugueses
- Conference of Consulting Actuaries
- Society of Actuaries

OTHER NEWS

STAKEHOLDER ENGAGEMENT

IAA Releases *Climate Science: A Summary for Actuaries*



The International Actuarial Association (IAA) is pleased to announce the publication of *Climate Science: A Summary for Actuaries*, prepared by the Climate Risk Task Force in association with the United Nations Intergovernmental Panel on Climate Change (IPCC) Working Group I Technical Support Unit. This Summary, based on the [IPCC Working Group I Sixth Assessment Report](#) released in August 2021, is tailored to the actuarial community to provide helpful insights into what the IPCC report means for the Actuarial profession.

The IPCC Working Group I report addresses the most up-to-date physical understanding of the climate system and climate change. It brings together the latest advances in climate science, combining multiple lines of evidence from paleoclimate, observations, process understanding, and global and regional climate simulations to get the clearest picture of past, present, and possible future climate.

Actuaries, as risk professionals, need to understand the physical impacts of climate systems and climate changes. Such impacts will affect how risks are underwritten, priced, managed, and reported, whether for general, life or health insurance, pensions, other financial institutions, or social security. It is important for actuaries to understand the magnitude of the potential changes, the uncertainty of their frequency and intensity, and the inherent volatility of such risks.

Each of the physical changes analyzed in the latest IPCC Working Group I report could have an impact on human wellbeing and the long-term sustainability of the environment. Within these changes, actuaries are particularly interested in the effect of climate change on floods, droughts, fires, storms, rise of sea level, air pollution and the long-term effects of climate change. The Summary focuses on the physical changes affecting the most common perils analysed by actuaries and is supplemented with two Annexes on data and regional specificities and a glossary to support its users.

Climate Science: A Summary for Actuaries is available on the IAA website under [Publications/Papers/Climate Issues](#).

The Climate Risk Task Force will host a complimentary webinar jointly with the (IPCC) Working Group I Technical Support Unit on April 13, 2022, at 8:00 EDT to present this publication. To register, please [click here](#). Registration is open to actuaries of IAA member associations but also to all who are interested in this topic. Please publicise this message to parties in your jurisdiction who might be interested.

International Women's Day



This year the IAA decided to launch a series of initiatives to celebrate International Women's Day. Recognizing the important contribution that women make to increase diversity and inclusion in the workplace, the IAA unveiled its [Diversity and Inclusion microsite](#) on March 8 and kick-started the celebration with a [video message of IAA female leaders](#) sharing their experiences and visions for women in the actuarial profession. Other initiatives included:

- Showcasing the trailblazers of the profession with a video collage of [12 women who lead actuarial associations](#) from around the world, talking about the practices that have contributed to their success and what keeps them motivated in times of adversity.
- During the week of March 21st, rereleasing the International Actuaries Day interviews of young female actuaries highlighting elements that have contributed to their professional growth.

These celebrations culminated this week with the publication of an [interview of Daisy Coke](#), the first female actuary to practice the profession in Jamaica, and a live conversation on how the actuarial profession can address gender gaps in financial inclusion. IAA President Roseanne Harris lead this conversation with Lisa Morgan (International Labour Organization), Hannah Grant (Access to Insurance Initiative, or A2ii) and Vicky Saporta (International Association of Insurance Supervisors) during a [webinar](#) on Wednesday, March 30.

UPCOMING EVENTS

Council and Committee Meetings – Belgium



The moment we have all been waiting for is finally here! The IAA is pleased to confirm that the Council and Committee meetings will take place at the Radisson Collection Hotel, Grand Place Brussels, from May 4–8.

They are open to all, and you can access all pertinent information about the meetings at our [Brussels Meeting microsite](#).

The meeting schedule, registration and details of hotel accommodations are now available. As we are expecting numerous in-person participants, please [make your hotel reservations](#) before

April 15, after which the discounted rate and availability cannot be guaranteed.

We look forward to seeing you in Brussels!

If you require any assistance, please contact [Patricia Pearson](#).

6th African Actuarial Congress – Ghana



Actuaries all over Africa and the world are preparing to gather for the 6th African Actuarial Congress (6AAC) in Accra. Taking place from June 8–10 at the Movenpick Ambassador Hotel, the 6AAC promises to be one of the most exciting events of the year, filled with a deep dive into emerging topics and practices of the profession, insurtech innovations, data models,

contemporary risk-based regulations and financial reporting standards like IFRS 17 and 9, and much more.

Registration will be open until May 31.

International Congress of Actuaries (ICA 2023) - One meeting, two experiences

"Get involved. The world is run by those who show up."

2023 INTERNATIONAL CONGRESS OF ACTUARIES



BRIDGE TO TOMORROW

28 MAY – 1 JUNE 2023 · SYDNEY   International Actuarial Association
Association Actuarielle Internationale

ICA2023 will bring actuaries together from across the globe – in person and online – to share their challenges and triumphs, their expertise and insights, their plans for a better future.

The Congress will be inspiring, energising – and fun. And it will shape the future of the profession and all who attend. ICA2023 will be the first Congress offering sponsors, delegates, and speakers the chance to connect in a hybrid format.

Delegates can meet, share, and learn face-to-face in Sydney, one of the most beautiful cities in the world. Or connect online via a state-of-the-art virtual platform

that's tuned to meet delegate needs for connection and inspiration as well as education. With a sophisticated live digital interface and on-demand delivery, ICA2023 will reach more people in more countries – and at a time that suits their needs.

ICA 2023 Bursary Fund



Visit the Diversity & Inclusion website



The application process for an International Congress of Actuaries (ICA) bursary is now open!

ICA bursaries are awarded according to the Administration of the Congress Reserve Fund and Bursary Selection Process, and are primarily intended for individuals residing in countries with a low gross national income. Bursaries are designed to support leaders and academics who contribute significantly to the development of the actuarial profession in their country, or individuals seeking to present their research as a speaker at ICA 2023 (see the ICA 2023 Call for Papers).

Visit the ICA 2023 Bursaries web page for information on application requirements and to find the application form. The bursaries application deadline is September 15, and IAA Member Associations are asked to share details of this scheme with their members.

SECTION NEWS

Join the IAA Sections today!

Be part of an inspiring, active group of professionals and help to raise the profile of actuarial research and development. Learn more about what the IAA Sections have to offer and subscribe online or via your local association.

Our mission:

To facilitate the international exchange of knowledge between individual actuaries on specific topics and become the go-to forum for actuarial knowledge, professional development, and networking in the actuarial profession.

Our Sections



UPCOMING SECTION ACTIVITIES IN 2022

After successful online colloquia in 2020 and 2021, the Sections are working towards offering a potential return to in-person events for 2022 by offering these events below.



International Actuarial Colloquia Global Pandemic -

Beyond the new normal

ASHK / IAALS / PBSS

Hong Kong 27-28 April 2022 (Hybrid)



Actuarial Colloquia 2022

AFIR-ERM / ASTIN

Online Colloquia

20-24 June 2022

INTERNATIONAL CONGRESS OF ACTUARIES



“Get involved. The world is run by those who show up.”

ICA2023 will bring actuaries together from across the globe – in person and online – to share their challenges and triumphs, their expertise and insights, their plans for a better future. Call for abstracts open until 31 March, 2022

[Visit event website](#)



In total, 23 webinars were presented to Section members in 2021 and even more are planned for 2022 at no additional cost. A podcast series with 5 episodes was launched by the IAAHS (Health) Section in 2021 and more episodes will be recorded in 2022.



Enjoy free access to actuvue - the first international media platform for actuaries offering over 1,000 videos on all actuarial topics as well as numerous virtual events from all over the world.

[Learn more](#)



30 + articles published in 3 issues per year, in January, May and September through our publisher, Cambridge University Press. Prizes are available for best papers published in the ASTIN Bulletin - The Journal of the International Actuarial Association.

[Learn more](#)



Participate in topic-specific research groups and working parties to contribute to the development of the actuarial profession. IAA Section members may also be eligible for research grants, awards or bursaries for in-person events.



Join our digital networking platforms, with more than 13,000 followers on LinkedIn, Facebook and Twitter. Stay up to date with daily news, events and insights the actuarial profession has to offer. Subscribe to the IACA tender warehouse to bid on current consulting actuarial projects around the world.



[Join the IAA Sections](#)

Upcoming IAALS Section Webinar: Point and Interval Forecasts of Death Rates Using Neural Networks (April 12, 2022 at 9:00 AM EDT)

In this webinar, Simon Schnürch will discuss the Lee-Carter model has become a benchmark in stochastic mortality modeling. However, its forecasting performance can be significantly improved upon by modern machine learning techniques. We propose a convolutional neural network (NN) architecture for mortality rate forecasting, empirically compare this model as well as other NN models to the Lee-Carter model and find that lower forecast errors are achievable for many countries in the Human Mortality Database. We provide details on the errors and forecasts of our model to make it more understandable and, thus, more trustworthy. As NN by default only yield point estimates, previous works applying them to mortality modeling have not investigated prediction uncertainty. We address this gap in the literature by implementing a bootstrapping-based technique and demonstrate that it yields highly reliable prediction intervals for our NN model.

Upcoming IAHS Section Webinar: Closing the Financial Gap in Colombia's Health Section: A New Methodology for Calculating the UPC (April 20, 2022 at 11:00 PM EDT)

Colombia has a publicly funded health insurance program that aims to have universal coverage known as Sistema General de Seguridad en Social en Salud (SGSSS) that is regulated by the law 100 of 1993 (Lonono and Frenk, (1997)). The Colombian population benefits from a fundamental right to health enshrined in the Colombian constitution which, according to the constitutional court of Colombia (statutory law 1751 of 2015), entitles the enrollees to be provided with health services and technologies on a comprehensive basis. Coverage is provided via insurers (EPSs) with reimbursement from the Colombian government according to an age/sex/geographic risk adjustment system (described in Duncan (2018)). As with many countries, this entitlement to coverage causes budgetary problems. The Colombian Health Ministry (Ministerio de Salud) retained Santa Barbara Actuaries Inc. to develop a new condition-based risk adjustment system with the intent of controlling spending and more equitably distributing revenue based on member need. In this presentation, taking place on April 20 (11pm ET), Ian Duncan and Juan Diego Mejia Becerra will discuss their modeling process and the resulting risk adjustment system.

[Register now!](#)

Upcoming ASTIN Section Webinar: Fairness and discrimination in actuarial pricing (April 27, 2022 at 10:00 AM EDT)

This talk by Arthur Charpentier will be based on two recent papers. In the first one "The Fairness of Machine Learning in Insurance: New Rags for an Old Man?" (co-author Laurence Barry), we present an overview of issues actuaries face when dealing with discrimination. Since the beginning of their history, insurers have been known to use data to classify and price risks. As such, they were confronted early on with the problem of fairness and discrimination associated with data. This issue is becoming increasingly important with access to more granular and behavioural data, and is evolving to reflect current technologies and societal concerns. By looking into earlier debates on discrimination, we show that some algorithmic biases are a renewed version of older ones, while others seem to reverse the previous order. Paradoxically, while the insurance practice has not deeply changed nor are most of these biases new, the machine learning era still deeply shakes the conception of insurance fairness. In the second one "A fair pricing model via adversarial learning" (co-authors Vincent Grari, Sylvain Lamprier and Marcin Detyniecki), we suggest a technique to construct a fair pricing model using maximal correlation based techniques and adversarial learning.

[Register now!](#)

NEWS FROM MEMBER ASSOCIATIONS

Canadian Institute of Actuaries

We are a few months into 2022, and the Canadian Institute of Actuaries (CIA) already has a lot to show for it. Stay up to date and take a look through the highlights of its latest activities.

Current events

- **Celebrating women actuaries**

The CIA launched [Women in the Actuarial Profession – How to Increase Gender Diversity, Equity, and Inclusion in the Actuarial Workplace](#) to coincide with International Women’s Day. This guide offers practical strategies to reduce barriers for women and encourage opportunities for career growth.

In an effort to help #BreakTheBias, members of the CIA and special international guests reflected on gender inequity in the actuarial profession and shared their future aspirations in a [special podcast episode of Seeing Beyond Risk](#).

Research updates

- **An emerging actuarial application: Condominium reserve funds**

The number of condominium properties is on the rise in Canada but so are the associated risks. [Longevity of Infrastructure – Reserving and Risk Management in Condo Maintenance](#) explores the issue of insufficient reserve funds and shows how managing these risks with actuarial techniques could strengthen the condo industry and ensure long-term sustainability.

- **Climate, cyber and financial volatility lead list of emerging risks**

The key findings of the [15th Annual Survey of Emerging Risks](#) are in, providing deep insight into the trends that risk management experts plan to look out for.

What is new on Seeing Beyond Risk

- **Canadian actuaries on the international stage: Terry Narine**

The IAA’s Health Forum aims to generate consensus on emerging health issues around the world from an actuarial perspective. As the Acting Chair and CIA representative to the forum, Terry Narine contributes greatly to this international effort. [Learn how the forum benefits actuaries globally, its history and future, and the role Terry plays within it.](#)

- **Navigating the professional space as a Black woman**

While steps are being made toward inclusivity in corporate Canada, many Black professionals still feel pressure to conform at work. In [My gender + My skin color = ?](#), Valérie Adelson shares her personal experience in the actuarial profession as a Black woman.

- **University of PEI schools unite to break new ground**

The worlds of actuarial science and climate change and adaptation are colliding at the University of Prince Edward Island (PEI). Learn how the [exciting new changes taking place at the university](#) and how collaboration between two programs will lead to significant advancements for today’s actuaries.

- **CIA leadership: International style**

Authored by Jason Malone, this is a [spotlight on Micheline Dionne's work](#) as CIA Past President, former Chair of the CIA Committee on International Relations, and most recently and prestigiously, President-Elect of the IAA.

- **Lessons learned: In-force management for life insurance**

Showing why looking back can be just as important as looking ahead, Naveed Irshad, a CIA board director, shares some of what he has learned during his career in [five lessons of in-force management for life insurance](#).

- **Racing to finish IFRS 17**

International Financial Reporting Standard 17 (IFRS 17) is scheduled to begin on January 1, 2023, and is currently in its final stages. Get an inside look at the process, as well as the expected impact, of these international standards in [an interview with the Co-Chairs of the IFRS 17 Steering Committee: Les Rehbeli and Sati MacLean](#).

- **Tune in! A new selection of podcasts are here**

The CIA is continuously engaging with knowledgeable guests on its Seeing Beyond Risk podcasts. Do not miss these:

- › [The success of South African actuaries in elusive banking opportunities](#)
- › A double feature on the uncertain state of condominium reserve funds: [Part 1](#) and [Part 2](#)
- › [A look into the emerging risks that will confront us in a not-so-far-off future](#)

Remember to check out the [archive](#) for more exciting episodes in both French and English.

5 minutes with ...

The CIA continues to produce 5 minutes with ..., a video series profiling the recipients of the [CIA Legacy Awards](#), the Institute's annual appreciation program that recognizes the valuable contributions of volunteers who move the CIA forward. This spotlight is recognition of those efforts, but most importantly, it is thanks.

Check out the latest profiles, featuring [Pierre LePage](#) and [Mercy Yan](#).

Deutsche Aktuarvereinigung – Germany

Annual meeting of DAV and DGVMF takes place as a hybrid event

The Annual Meeting of the DAV (German Association of Actuaries) and its scientifically orientated partner organization DGVMF will take place as a hybrid format from April 27–29. Participants can take part in the annual conference both on-site in Bonn and online. The congress program will offer about 40 presentations by 50 speakers. Top-class experts from politics, business and science have been recruited as speakers and discussants for the two plenary sessions on the topics of sustainability in health and long-term care insurance and reforms of the German pensions system.

The General Assembly of the DAV is also offered in a hybrid format, meaning participants can attend on-site in Bonn or from home or the office and vote on important association topics.

The ECA 2022 invites you to Madrid

The Actuarial Association of Europe (AAE) invites all actuaries to the 4th European Congress of Actuaries (ECA 2022) in Madrid, Spain, from June 2–3. In total, more than 250 experts and executives from Europe and beyond are expected to participate. Following the remote experiences caused by the coronavirus pandemic during the past two years, the ECA will surely be an excellent opportunity to meet up again with many peers in the European community of actuaries.

The event will present an exciting program with well-known keynote speakers and experts from all over Europe covering the full scope of actuarial subject areas in sessions like Emerging Risks: Identification, Taxonomy and Mitigation; Data Science and Data Ethics; Manage Uncertainty in Data; Wider Use of Actuarial Skills; and Back to the Roots: New Approaches in Traditional Fields. The confirmed keynote speakers are Petra Hielkema (Chairperson, EIOPA), Andreas Märkert (Chair, CRO Forum) and Paul Murray (Swiss Re). [Find the full program here.](#)

At the ECA 2022's Spanish evening on June 2, the participants will gather at a traditional Spanish estate. Regional specialties from all over the country will be on offer in lovingly decorated buffets on the lawns, and a Spanish guitar group will be on hand to play for your entertainment.

So [book your ticket now](#) and secure the Early-Bird Rate before April 3. Registration includes admission to the congress sessions as well as the evening event. Booked tickets can be cancelled free of charge until Thursday, March 31.

The organizers are looking forward to meeting you in Madrid! For further information, please visit www.eca2022.org.

Women Actuaries Shaping the Future: The diversity kick-off

The DAV Communications Committee has, among other objectives, the goal of promoting more diversity within the association. On March 1, a first online event took place very successfully: under the title Women Actuaries Shaping the Future, all members were called upon to participate in a two-hour web session with presentations, networking sessions and breakouts for a joint brainstorm to develop ideas on how female members can be more involved and made more visible in the association's work. With 109 participants, many actuaries – male and female – responded to this call, enjoying the top-class presentations by Laura Gersch (CFO at Allianz) and Susanna Adelhardt (a member of the DAV board) and then actively contributing to the discussion. Here, new ideas, approaches and suggestions for improved cooperation and new formats of engagement were introduced.

In the coming months, the DAV will continue the exchange with various offline and online events and expand this initiative to other target groups. The goal is more diversity, more engagement and a strengthened community in the DAV.

Actuarial Media Center/actuview

CONVENTION A: The universe is growing!

Living the motto "Connecting Knowledge", actuarial experts from all around the world will this year join the unique format of CONVENTION A. Over five days, from September 19–23, 2022, and throughout all time zones, actuaries and partners from science and industry will come together to discuss the most relevant topics of the profession.

Connecting knowledge and people, opening global perspectives and shaping the future together – that is what CONVENTION A stands for. This mission does not start in September, but right now. Join the CONVENTION A family and stay up to date on everything there is to know. Follow it on [Twitter](#) and [LinkedIn](#) for the latest updates, background stories and exciting insights into the planning of this special event.

You can also [subscribe to the mailing list](#) – regular and concise news shots will then be sent directly into your email account. This way you are always up to date at a glance.

EAA – European Actuarial Academy GmbH

As the European knowledge centre for actuaries, the EAA offers a broad variety of attractive actuarial training within the coming months. Below is an overview of some upcoming web sessions:

- **Understanding the Performance of an Insurance Company (Introduction), May 2–5**

The aim of [this workshop](#) is to present the functioning of an insurance company and the insurance and financial products it manages, explain how to read and understand the different elements of an insurance balance sheet and profit-and-loss statement, compute performance indicators used in different regulatory frameworks, and more. It will cover both life and non-life insurance; health insurance will not be specifically covered.

- **Advanced Concepts of Clustering in Insurance, May 6**

[This course](#) shows how different algorithms can be used to obtain a segmentation of insurance data. The methods covered range from centroid-based (k-means, k-prototypes) to probabilistic (Gaussian Mixture Models) and density-based (DBSCAN) approaches. The session will demonstrate how clustering results can be visualized and evaluated, show how such results can be used to identify outliers in a data set and cover techniques that reduce the dimension of data so that segments can be computed either on aggregated information or using only a subset of the available information.

- **IFRS 17: Investment Components and Other Non-Service Payments, May 11**

The necessary identification of cash flows not related to services introduces new considerations in the accounting process. During [this session](#), those will be discussed, along with approaches to achieve an adequate reflection in presentation. That applies not only to contracts with savings elements, as in life insurance; non-life insurance contracts and reinsurance contracts often contain investment components and premium refunds. Examples from those areas will be presented and discussed.

- **EAA e-Conference on Data Science & Data Ethics, May 12**

The actuarial focus has changed significantly over the last couple of years. Computational power is increasing with exponential growth, and more and more data is available. This combination puts the actuarial profession into a position where a new understanding has to be developed on today's possibilities of actuarial science and its ethical implications. The EAA is delighted to offer actuaries and other experts a forum for knowledge exchange: the third EAA e-Conference on Data Science & Data Ethics, which will take place live and virtually. The [programme](#) will combine keynote speeches with food for thought from well-known experts and selected talks from professionals through a call for papers.

- **Actuarial Modeling for Cyber Risk, May 17 and 24**

After an introduction to the specificities on cyber risk, [this session](#) provides the first steps towards a better understanding of this risk, using mathematical models and actuarial analysis. For a better quantification of cyber risk, innovative models will be proposed, both for the severity component (size of the claims) and the frequency component (accumulation risk and clustering features) of the risk. Participants should then be able to identify the specificities of cyber risk and the factors that may jeopardize its mutualization, identify extreme events and convey a risk segmentation, construct accumulation scenarios on a cyber portfolio and quantify the impact of protection measures on the risk of saturation in the insurer response capacity.

Please visit actuarial-academy.com for further information on EAA events and training.

Instituto dos Atuários Portugueses – Portugal

The Congress of the Instituto dos Atuários Portugueses was scheduled to take place in 2020 to celebrate the 75th anniversary of the Association but was postponed due to Covid-19. It will now take place in Lisbon on May 24.

The keynote speakers will be Paul Embrechts, Michiel Van Der Wardt, Wilhelm Schneemeier, Cansado de Carvalho, Maria João Valente Rosa and Maria Margarida Corrêa de Aguiar, President of ASF, the Insurance and Pension Fund Supervisory Authority.

All relevant details about the Congress (information on the presentations of papers, the program, registration and speakers) can be found at its [website](#) (in Portuguese).

Conference of Consulting Actuaries – U.S.

Watch the full recording of the Celebrating Women in Actuarial Leadership CCA panel discussion

In celebration of Women's History Month and International Women's Day, the Conference of Consulting Actuaries (CCA) Women in Consulting community hosted a [Leadership Interview Series](#) discussion with the five women who are in the presidential roles at the U.S. actuarial associations. This is history in the making as it is the first time all five associations have had women presidents at once.

Participants gathered to not only celebrate but to also learn from these women – to understand their journeys and pathways toward leadership, and to understand what inspired them. You are invited to watch this inspiring and heartfelt discussion to hear more about their triumphs, challenges and motivations.

2022 CCA Enrolled Actuaries Conference: Registration now open!

The [2022 CCA Enrolled Actuaries Conference](#) will be held virtually on May 2, 4 and 6. It will offer 39 sessions covering developments in single-employer, multiemployer, public and small plans, as well as other topics relevant to pension professionals. Enrolled Actuaries may earn up to 18.5 credit hours of continuing education credits under the Joint Board for the Enrollment of Actuaries (JBEA) requirements. Total credits include 2.0 EA Ethics credits.

Do not miss these upcoming CCA continuing education webinars

- April 13: [Predictive Modeling/Advanced Analytics](#)
- April 27: [Investment Options in DC Plans](#)
- May 18: [Current State of Social Security and Implications of Covid](#)

Society of Actuaries – U.S.

SOA candidates expand skills through Professional Affiliate Membership

The Society of Actuaries (SOA) is pleased to present a new [Professional Affiliate Membership](#) to candidates that complete either of the premier Actuarial Science Foundations or Data Science for Actuaries SOA Micro-credentials. This offering provides an exclusive suite of benefits designed to support ASA candidates and connect them to their educational pathway peers. Advantages include access to career events, networking, and enhanced modes of learning through technology skills webcasts and podcasts.

Introducing the newest SOA certificate program

The SOA offers the most comprehensive, hands-on practical training available to gain in-depth understanding of ethical issues surrounding big data. Through the [Ethical & Responsible Use of Data & Predictive Models Certificate Program](#), actuaries can incorporate an ethical framework of best practices for creating or deploying predictive models. This five-month virtual program includes self-directed and live learning experiences.

SOA Asia-Pacific Annual Symposium returns

SOA members and non-members of all practice levels in the Asia-Pacific region are invited to share experiences in the actuarial profession at the virtual [SOA Asia-Pacific Annual Symposium](#) from June 6–7. Attendees can share best practices on topics such as IFRS, innovation/technology, investment, risk management and health/general insurance, while expanding their network of peers and industry leaders.

Gain insight into the SOA's Catastrophe & Climate Strategic Research Program

The newsletter from the SOA's Catastrophe and Climate Strategic Research Program Steering Committee presents the latest projects, news, authored content recommendations and related research from other organizations. [This resource](#) provides access to current published newsletters and back issues of research from the past two years.

OTHER NEWS

The new issue of [The European Actuary](#) (Number 29 – March 2022) is now available and can be downloaded from the AAE website. The featured articles are:

- “Looking ahead” – an interview with Petra Hielkema
- “Forecasting NATCAT reserves using the CIR2 model”, by Giuseppe Orlando and Michele Bufalo
- “Insurance of electric vehicles”, by Guillaume Serdeczny and Sarah Clarinard
- “Covid in Europe: Coronavirus and insurance in France 2020–2021”, by Guillaume Leroy and Frédéric Planchet
- “Covid in Europe: The Italian experience of Covid”, by ISOA
- “Covid in Europe: Impact of the pandemic on mortality and morbidity in Germany”, by Dirk Stötzel (DAV)
- “Actuaries and the media in the pandemic”, by John Roberts and Stuart McDonald
- “Looking at good governance” – an interview with Member of the European Parliament Fabio Massimo Castaldo
- “Sustainability and climate change: Main positions of the AAE”, by Frank Schiller
- “Meet AAE Board member Matthias Pillaudin”

Please visit the [webpage of The European Actuary on the AAE website](#) for prior issues and further details.