



International Actuarial Association
Association Actuarielle Internationale

NEWS RELEASE

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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 IAA's Executive Committee's 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 well-being 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 IAA 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 for the webinar, 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.

This activity advances the IAA's vision, missions and strategic objectives to provide key supranational institutions with actuarial expertise on issues of relevance in global forums and to promote the advancement of scientific knowledge and skills of the actuarial profession thereby contributing to the efforts of fighting the negative consequences of climate change and through it to the well-being of society.

To learn more about the work of the IAA on this topic, contact the [Director of Technical Activities](#) at the IAA Secretariat.

Ce communiqué de nouvelles est aussi disponible [en français](#).

The IAA is the worldwide association of professional actuarial associations, representing approximately 70,000 actuaries in more than 115 countries, with six special interest Sections for individual actuaries. The IAA was founded in 1895 and exists to encourage the development of a global actuarial profession, acknowledged as technically competent and professionally reliable, which will ensure that the public interest is served. The IAA has 74 Full Member Associations and 27 Associate Member Associations.

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