15th November 2025

3rd Webinar on Climate Risk

Institute of Actuaries of India is pleased to announce the **3rd webinar on Climate Risk** organized by the **Working Group on Climate Risk & Sustainable Finance**.

Event Details:
Date: 5th December 2025, Friday
Time: 3:00 pm to 5:00 pm, IST
Format: Online via Microsoft Teams

Topics:

1. **Data You Can Actually Use: Turning Climate Datasets into Actuarial Insights**

   This session focuses on bridging the gap between climate science and actuarial practice by introducing participants to reliable, publicly available datasets that can be directly applied in insurance and risk modelling. Actuaries often face challenges in accessing consistent, long-term climate data that is both granular and credible. To address this, the session will highlight key resources such as the India Meteorological Department's (IMD) datasets, ERA5 reanalyses, and CMIP6 climate model outputs.

   Participants will gain an understanding of how these datasets can be processed and adapted for actuarial use, including techniques for bias correction, statistical downscaling, and integration into hazard panels. Beyond rainfall, the discussion will touch on how similar approaches can be extended to temperature, wind, and other climate variables relevant to catastrophe and agricultural risk. The emphasis will be on practical applications that support informed decision-making in the insurance sector.

2. **Catastrophe modelling for informed decision making and its intersection with climate science**

   The session aims to provide a brief history and overview of catastrophe modelling, deep dive on climate related perils, large clash events and their impacts on insurer solvency, large datasets and statistical approaches that transform these large datasets into meaningful and actionable decision metrics- TVaRs, EP curves, Return Periods, Regulatory requirements, Changing Indian Insurance industry

   Leveraging public open-source datasets w.r.t floods in India and build scenarios/models to estimate their socio-economic impacts

Speakers:

1. **Mr. Piyush Jain, Business Actuary, Kshema General Insurance Limited**

   Piyush Jain is a Fellow of the Institute of Actuaries of India and the Institute and Faculty of Actuaries, UK, with over a decade of experience across pricing, reserving, catastrophe modelling, and regulatory transformation. As Business Actuary at Kshema General Insurance, he has spearheaded innovative approaches to climate and agricultural risk, including the design of insurance products and advanced portfolio strategies. With expertise spanning data science, reinsurance, and automation, Piyush brings a unique perspective on how actuarial science and technology can be harnessed to build resilience against the growing challenges of climate risk in insurance.

2. **Ms. Srishti Grover, Assistant Director, Moody's**

   Srishti is an assistant director, currently working at Moody's in the Data Analytics and Solutions team, with over a decade of experience in catastrophe modelling with expertise in IED (industry exposure databases), Vulnerability modules, Model calibrations, Bigdata analysis, Claims and Loss analytics.

She is a certified catastrophe modeler by both Verisk and Moody's.

She leverages machine learning, SQL, Power BI, Geospatial tools and much more in her role of leading a team of associates that provide data solutions catering the insurance industry spanning across multiple global insurers and reinsurers.

Program Schedule:

Sr. No	Sessions	Speaker	Time
	Welcome Address	**Ms. Saigeeta Bhargava,** Chairperson, Working Group on Climate Risk & Sustainable Finance, IAI	3:00 pm to 3:05 pm
1	Data You Can Actually Use: Turning Climate Datasets into Actuarial Insights	**Mr. Piyush Jain**, Business Actuary, Kshema General Insurance Limited	3:05 pm to 4:00 pm
2	Catastrophe modelling for informed decision making and its intersection with climate science	**Ms. Srishti Grover**, Assistant Director, Moody's	4:00 pm – 4:55 pm
	Closing Remarks		4:55 pm to 5:00 pm

Target Audience - Students, Associates, Fellows & Non-members working in Insurance, Banking & Climate Change domains.

Registration fees excluding GST (INR)

IAI Students & Associates	IAI Affiliates & Fellows	Non-Members
750	1000	1000

Registration link: https://bit.ly/3R84faU

CPD Credit: as per APS9 (Version 4): 2 hrs (Technical – Any one practice Area)

Point of contact- Paresh Shetty | **Email:** paresh@actuariesindia.org

Institute of Actuaries of India