



**SCOR**  
The Art & Science of Risk



## **SCOR Annual Conference**

**Combining science and technology to  
enhance insurability and spur innovation**

**4 & 5 October 2018  
Programme**





## DAY 1 - Thursday 4 October

Combining science and technology to enhance insurability and spur innovation

- 08:30** Welcome coffee
- 09:00** **INTRODUCTORY REMARKS**  
**Denis Kessler, Chairman and CEO, SCOR SE**
- 09:30** Keynote speech  
A South African initiative on the Principles for Sustainable Insurance (PSI) with the United Nations  
**Ian Kirk, CEO, Sanlam**
- I - INDUSTRY-WIDE INITIATIVES**
- A/ Partnerships between insurers and governments to expand markets**
- 10:00** Extending insurance coverage to an additional 400 million people by 2020  
**Joan Lamm-Tennant, PhD, CEO and Founder, Blue Marble Micro, Limited**
- 10:30** Coffee break
- 11:00** Disaster risk finance in developing countries – re(de)fining the role of the private sector  
**Olivier Mahul, Global Lead, Disaster Risk Finance, and Program Manager, Disaster Risk Financing and Insurance Program, World Bank**
- 11:30** Flood insurance in the US: building political coalitions to expand private markets  
**Ray J. Lehmann, Director, Finance, Insurance & Trade Policy, R Street Institute**
- 12:00** Learning from successful partnering approaches from other industries  
**Nicolas Colin, Co-founder and director of The Family**
- 12:30** Buffet lunch at the SCOR Brasserie on the 6<sup>th</sup> floor
- B/ Re/insurance industry-led technological initiatives**
- 14:30** Oasis Loss Modelling Framework, where are we on this open source catastrophe modelling platform?  
**Paul Nunn, Head of Catastrophe Risk Modelling, SCOR Global P&C**
- 14:45** B3i, the blockchain insurance industry initiative: coming near you soon  
**Paul Meeusen, CEO, B3i**



## DAY 1 - Thursday 4 October

Combining science and technology to enhance insurability and spur innovation

### II - COUNTRY OR RISK-SPECIFIC PARTNERSHIPS creating value for societies while expanding insurability

- 15:00** Indian examples on how technology can support SMEs and agriculture's insurance markets  
**Anuj Tyagi, Executive Director & Chief Distribution Officer, HDFC ERGO**
- 15:30** New technology applied to enhance product offering and insured services in Agriculture: concrete examples  
**Fanny Rosset, Senior Underwriter Agriculture, SCOR Global P&C**  
**Michael Rüegger, Deputy Chief Underwriting Officer, SCOR Global P&C**
- 15:50** Coffee break
- 16:15** Product development in Life (re)insurance  
**Barthélémy Philippe, Head of Health Assessment and Improvement, SCOR Global Life**
- 16:45** Concrete case studies of how parametric re/insurance can support the development of insurability  
**Vincent Foucart, Deputy CEO P&C Partners, in charge of Alternative Solutions & Technical Development, SCOR Global P&C**
- 17:00** **CLOSING REMARKS**  
**Victor Peignet, CEO, SCOR Global P&C**
- 17h30** Champagne reception and cheese tasting at the SCOR Brasserie on the 6th floor
- 20:00** End of day 1

## DAY 2 - Friday 5 October

### How to combine science and technology to enhance insurability and spur innovation?

**BREAKOUT SESSIONS** to take a more in-depth look at topics in smaller groups  
Choose your Breakout Session(s) via the interactive SCOR Conference platform: go to [www.beekast.com/scorconf](http://www.beekast.com/scorconf), and enter your first name, last name and company name.  
In the Participate section, choose the "Breakout Session" tab and select your session(s). Please register by 6pm on Thursday 4 October.

08:30

Welcome coffee

09:00

- Oasis Loss Modelling Framework: what does it mean concretely and how can I use it in my country: open discussion: **Paul Nunn, Head of Catastrophe Risk Modelling, SCOR Global P&C**  
*Located in the auditorium (same room as the conference) on Level -2*

- IFRS 17: what did we do at SCOR: **Catherine Fassi, Chief Capital and Financial Manager, SCOR Global P&C**  
*Located on the ground floor, GOP1 room*

10:30

Coffee break in front of the auditorium on Level -2

11:00

- B3i roadmap for reinsurance, commercial and primary insurance, including questions & answers: **Paul Meeusen, CEO, B3i**  
*Located in the auditorium (same room as the conference) on Level -2*

- Catastrophic claims handling and how to work collectively: **Jonathan Clark, Global Head of Claims for SCOR Business Solutions, SCOR Global P&C**  
*Located on the ground floor, GOP1 room*

In parallel, feel free to ask your SCOR contact to organize meetings with SCOR experts

12:30

A buffet lunch will be served at the SCOR Brasserie located on the 6<sup>th</sup> floor

14:30

End of the SCOR Annual Conference



## Denis KESSLER

Chairman and CEO, SCOR SE

Denis Kessler is a graduate of HEC business school (Ecole des Hautes Etudes Commerciales), holds a PhD in economics and advanced degrees in economics and social sciences, and is a Fellow of the French Institute of Actuaries. He has been Chairman of the Fédération Française des Sociétés d'Assurance (FFSA), Senior Executive Vice-President and Member of the Executive Committee of the AXA Group, and Executive Vice-President of the MEDEF (Mouvement des Entreprises de France). He joined SCOR as Chairman and Chief Executive Officer on 4 November 2002. In January 2016, he was elected to join the French Institute's Academy of Moral and Political Sciences.



## Ian KIRK

CEO, Sanlam

Ian was born in Dublin and moved to South Africa in 1981. He qualified as a Chartered Accountant (CA) in 1980 and CA (SA) in 1983. He also obtained qualifications in Business Data Processing and Certified Information System Audit in 1985. He was appointed to the PriceWaterhouse partnership in 1986 and took overall responsibility for the computer audit function in the firm. Early in 1996, Ian was approached to join AGA Holdings as Managing Director, a relatively small JSE listed life insurance player with Investec as its significant shareholder. AGA Holdings later restructured as Capital Alliance Holdings Limited, one of the first broad-based black empowerment financial services companies in South Africa. In December 2004, Capital Alliance Holdings was sold to Liberty Group in a transaction valued at R3.3 billion and Ian was appointed Deputy CEO of Liberty Group in March 2005. In May 2006 Ian joined the Sanlam Group as Chief Executive: Strategy and Projects, where his responsibilities were to undertake a strategic review of the group, determine strategic direction along with the group executive, review capital allocation arrangements and hurdle rates and drive new strategic initiatives including Project Helix, Shriram General and establishing a direct financial services business for the group. In June 2007, he was appointed Chief Executive of Santam, whose market capitalisation has more than doubled since his appointment. As CE, Ian Kirk was responsible for overseeing all elements of the business as well as driving new initiatives to determine and execute the strategy for Santam's profitable growth in South Africa and, of late, into Africa, India and SE Asia. Ian was very focused on continuous improvement initiatives and innovation, as well as continuous product and service reviews – thereby ensuring that Santam remained at the forefront of insurance. He was appointed Deputy CEO of the Sanlam Group in January 2015 and from 1 July 2015 he took over as CEO of Sanlam. Ian is a keen sportsman who played provincial cricket and rugby in Ireland. In South Africa, he played cricket and rugby for the Wanderers Club up until 1991. Golf is currently his game and he is also a keen cyclist. He is married and has four children.



## **Joan LAMM-TENNANT, PhD**

**CEO and Founder, Blue Marble Micro, Limited**

Joan Lamm-Tennant is the Chief Executive Officer and Founder of Blue Marble Micro Limited, a startup with a mission of providing socially impactful, commercially viable insurance protection to the underserved. A UK corporation owned by nine insurance entities, Blue Marble incubates and implements microinsurance ventures that advance food security, financial inclusion and microentrepreneurship. Previously, Joan was the Global Chief Economist and Risk Strategist of Guy Carpenter Company LLC, a reinsurance and risk management operating company of Marsh & McLennan, and President of GenRe Capital Consultants, where she led the global advisory arm of General Reinsurance. Before joining industry Joan had an academic career of over fifteen years. Joan was a tenured Professor of Finance at Villanova University where she held the Thomas Labrecque Chair in Business. Upon joining industry, Joan was an Adjunct Professor at the Wharton School, University of Pennsylvania where she held the Laurence and Susan Hirsch Chair in International Business. She is currently a Senior Research Fellow of the Wharton Risk Management and Decision Process Center, University of Pennsylvania.

Joan is the recipient of the 2017 Insurance Industry Charitable Foundation Lifetime Achievement Award, the 2016 Wharton MBA Excellence in Teaching Award, the 2013 APIW Insurance Woman of the Year, and the 2012 International Insurance Society Kenneth Black Award for service and commitment to the advancement of the global industry.

Joan currently serves on the Boards of Hamilton Insurance Group, Ltd., Element Financial Management Corporation, Ambac Financial Group and The Institutes' Board of Trustees. Previously Joan served on the Boards of Selective Insurance Group (1994 to 2015) and Ivans, an insurance technology provider (2001 – 2013). She was instrumental in the sale of Ivans to Ability, a portfolio company of Bain Capital. Joan holds a Ph.D. in Finance and Investments from the University of Texas. In addition, Joan holds an M.B.A. in Finance and a B.B.A. with Honors in Accounting from St. Mary's University.



## Olivier MAHUL

Global Lead, Disaster Risk Finance, and Program Manager,  
Disaster Risk Financing and Insurance Program, World Bank

Dr. Olivier Mahul is Program Manager of the World Bank's Disaster Risk Financing and Insurance (DRFI) Program, supported by several donor partners including Japan, UK, Germany, Switzerland, USA, Canada and EU. Olivier also leads the establishment of the World Bank's DRFI hub, as part of the Center for Global Disaster Protection in London, in partnership with DFID. The Program provides advisory services on financial protection against natural disasters in more than 60 countries, mainstreaming disaster risk finance within the broader disaster risk management and climate change adaptation agenda in developing countries. The Program offers advisory services on sovereign disaster risk finance, property catastrophe risk insurance, agricultural insurance, and disaster-linked social protection, in close collaboration with the private insurance and reinsurance industry.

Since he joined the World Bank in 2003, Olivier has been involved in developing disaster risk financing and insurance solutions in more than 40 countries including Colombia, Costa Rica, Vietnam, Indonesia, Mongolia, India, Mexico, Philippines, etc. Olivier was closely involved in the product development of the World Bank CAT DDO, a contingent credit line that provides World Bank member countries with immediate budget support in the aftermath of natural disasters. Since its launch, the CAT DDO has been approved for several countries such as Colombia, Costa Rica and the Philippines, for a cumulative amount in excess of US\$2.3 billion. Olivier is one of the key architects of the Caribbean Catastrophe Risk Insurance Facility, which provides 16 Caribbean island states with parametric insurance against major natural disasters. He has also led the design and implementation of the Pacific Catastrophe Risk Insurance Program, which provides 5 Pacific island countries with parametric catastrophe insurance, as well as the sub-national parametric catastrophe risk insurance program in the Philippines, which covers 25 local government of 25 provinces against severe tropical cyclones.

Olivier holds a Ph.D. in Economics from Toulouse School of Economics and post-doctorates from Wharton Business School and University of California at Berkeley. Olivier has authored more than 40 publications in international journals and two books: "Catastrophe Risk Financing in Developing Countries: Principles for Public Intervention" (with J. David Cummins) and "Government Support to Agricultural Insurance: Challenges and Options for Developing Countries" (with Charles Stutley).



## Ray J. LEHMANN

Director, Finance, Insurance & Trade Policy, R Street Institute

R.J. Lehmann is senior fellow and director of finance, insurance and trade policy for the R Street Institute, overseeing the institute's research into effective and efficient regulation of financial services and the benefits of the international rules-based trading system. R.J. was a co-founder of R Street in June 2012, having previously served as deputy director of the Heartland Institute's Center on Finance, Insurance and Real Estate. Before joining Heartland, he spent nearly a decade covering the insurance and financial services industries, first as manager of A.M. Best Co.'s Washington bureau and later as a senior industry editor with SNL Financial (now S&P Global Market Intelligence).

Earlier in his career, R.J. held a variety of positions in the fields of journalism and public relations, including serving as managing editor of the Elizabeth Gazette, Hillside Leader, Springfield Leader, Mountainside Echo and Palm Beach Jewish News; associate editor with Travel Weekly; staff writer with the Ocean County Observer; media relations specialist with Lockheed Martin IMS; and public affairs director of the Independent Institute. He is a three-time award winner from the American Society of Business Publication Editors and was the youngest-ever winner of a first-place prize from the New Jersey Press Association.

He also is an associate fellow of the John Locke Institute and the James Madison Institute. His film reviews appear regularly in Creative Loafing Tampa. R.J. lives in St. Petersburg, Florida, with his wife, Arin Greenwood, their dog, Murray Rothbark and their cats, Elf, Jack and Chaplin.



## Nicolas COLIN

Co-founder and director of The Family

Nicolas Colin began his career in the French civil service and then brought his clear understanding of regulatory systems across Europe to his work as a tech entrepreneur. In 2013, he became Co-founder and Director of The Family, a pan-European investment firm supporting early-stage entrepreneurs, now with a portfolio of 150+ fast-growing startups. He sits on the board of Radio France, the French national radio broadcasting corporation, and teaches university courses on corporate strategy and public policy at Sciences Po in Paris.

He has previously served as a member of the board of the French personal data protection authority. Nicolas is a thought-provoking voice in the conversation about new institutions in the digital world. He has co-authored several works on technology, including a 2013 Report on Taxation in the Digital Economy (for which he was voted one of that year's ten most influential people by the International Tax Review). His articles regularly appear in both English and French publications, including Foreign Affairs, The Financial Times, and Le Monde. Hedge is his third book, and the first published in English. Nicolas was born in Normandy, France and raised by musician parents, becoming an accomplished bass guitar player. He lives in London with his wife Laetitia Vitaud and their two children.





## Paul NUNN

Head of Catastrophe Risk Modelling, SCOR Global P&C

Paul Nunn is responsible for pricing catastrophe risk on inwards business, and accumulation of catastrophe loss potential for natural hazard perils globally. A key aspect of the role is the provision of analytics and data for internal and external stakeholders including SCOR's internal capital model, rating agencies, regulators and retrocessionaires alongside. Paul is also responsible for directing strategic Cat platform system development to facilitate more efficient deployment of capital to support the catastrophe risk SCOR is exposed to.

Alongside his role at SCOR Global P&C, Paul is a director of the non-profit Oasis Loss Modelling Framework company, an open source platform for developing, deploying and executing catastrophe models. He is also actively participating in the Insurance Development Forum working group on Risk Modelling & Mapping Group with the goal to improve global understanding and quantification of disaster risk, particularly in developing countries, to support and enable decisions on its mitigation, adaption and transfer.

The focus is on creating a sustainable and accessible framework that promotes risk understanding and quantification. Before joining SCOR Global P&C, Paul was Head of Exposure Management at Corporation of Lloyd's responsible for all aspects of accumulation and concentration risk at Lloyd's. Paul has held many senior level positions in catastrophe management having also worked for ACE European Group and Applied Insurance Research Ltd.



## Paul MEEUSEN

CEO, B3i

Paul Meeusen is Head of Distributed Ledger Technology at Swiss Re and acting CEO of B3i, the Blockchain Insurance Industry Initiative, that is overhauling the way insurance companies exchange data and trade risks.

He has over 25 years of experience in advising, building and operating teams in an international environment in the disciplines of finance, accounting, operational treasury, audit and risk control. Prior to reinsurance, he was a Director in the Financial Advisory practice of PwC and he started his career with a provider of treasury, cash management and financial planning software.

Paul designed the first blockchain use case for retrocession insurance in 2016, developed on Ethereum. He holds a Masters in economics from Leuven University (Belgium) and is a Certified Internal Auditor.



## Anuj TYAGI

Executive Director & Chief Distribution Officer, HDFC ERGO

Anuj is the Executive Director and a Board Member at HDFC ERGO.

He joined HDFC ERGO in 2008 as Head of Corporate Business Group and has worked with various departments over the years. He currently works for Business, Claims, Underwriting and HR and Reinsurance functions at HDFC ERGO. After completing his Post Graduate Diploma in Business Management, Anuj began his career with SIDBI and entered the BFSI sector and has been working in the BFSI industry for past 17 years, of which a decade has been with the HDFC group.



## Fanny ROSSET

Senior underwriter Agriculture, SCOR Global P&C

Fanny Rosset is a Senior underwriter at SCOR Global P&C with 12 years' experience in agriculture reinsurance, including 5 years as a pricing actuary.

Fanny graduated with MSc. in Actuarial Sciences in 2006. After graduation, Fanny joined SCOR as a pricing actuary for property and agriculture businesses, then specialized in agriculture business.



## Michael RÜEGGER

Deputy Chief Underwriting Officer, SCOR Global P&C

Michael Rüegger is deputy Chief Underwriting Officer of the Agriculture specialty team at SCOR and was at the origin of the building of the current Agriculture underwriting team, responsible for many emerging countries such as China, Korea, Turkey, Russia and some further European Countries, and Latin America including Brazil.

He holds a master's degree in environmental sciences from the Federal Institute of Technology in Switzerland. Before joining the reinsurance industry, he worked in Alpine natural disaster prevention and spent several seasons as a herdsman. In 1998, he joined the Winterthur Insurance Group in the department for Strategy and Organisation, before entering, the reinsurance department of Winterthur Insurance as a junior agriculture underwriter in 1999.

During the merger of Winterthur Re with Partner Re in 2000, he took over the coordination of the Latin American operations of the new Agriculture department at PartnerRe, located in Buenos Aires, Argentina. In 2003, he joined GE Insurance Solutions to re-structure GE IS Latin American Operations in agriculture and then joined SCOR in 2006.



## Barthélémy PHILIPPE

Head of Health Assessment and Improvement, SCOR Global Life

Barth is SCOR Global Life's Head of Health Assessment and Improvement. He oversees the provision of health assessment services (medical underwriting – both traditional and automated), the deployment of solutions that will improve the health of both new and in-force policyholders, and the "SCOR Life and Health Ventures" arm, established to create and invest in a community of trusted partners to enhance the value proposition of SCOR Global Life.

Barth's previous roles with SCOR included General Manager of SCOR Global Life Canada, and Global Head of Strategy & Development for Life. Prior to joining SCOR, Barth was a Vice-President with a global Venture Capital fund, originating, executing and managing investments in the US and in Europe.



## Vincent FOUCART

Deputy CEO P&C Partners, in charge of Alternative Solutions & Technical Development, SCOR Global P&C

Vincent Foucart is a graduate of ENSTA (École Nationale Supérieure de Techniques Avancées), HEC (Ecole des Hautes Etudes Commerciales) and CHEA (Centre des Hautes Études de l'Assurance). He is also a Certified Financial Analyst and Actuary. He began his career at Société Générale in Asia, before joining the Allianz group in 2001 as an Investor Relations Officer. In addition to his functions he took on the management of the AGF Chairman's Office, adding the management of the long-term investments portfolio in 2006. In 2007, he became Managing Director of the asset management company Tocqueville Finance. He joined SCOR in 2009 as Manager of the Chairman's Office, before taking on the role of Group General Secretary.

More recently, he contributed to the development of ILS Strategies for SCOR and in May 2014 took over the Alternative Solutions Specialty Line, acting as CUO. Since 2018, he has been a SCOR SE Board Member representing the Group's employees. He was appointed Deputy CEO of P&C Partners, in charge of Alternative Solutions & Technical Development in September 2018.



## Victor PEIGNET

CEO, SCOR Global P&C

Victor Peignet, a Marine & Offshore Engineer and graduate of the Ecole Nationale Supérieure des Techniques Avancées (ENSTA), joined SCOR's Facultative Department in 1984 from the offshore Oil & Gas contracting industry. He has more than 15 years' underwriting and management experience in Energy & Marine insurance at SCOR.

He has been at the head of the Group's Corporate Business Division (Business Solutions) since its formation in 2000, first as Executive Vice President and as Managing Director from April 2004.

Since July 2005, he has been the Chief Executive Officer of SCOR Global P&C, which is one of the Group's two operational entities and which manages the Group's Non- Life business worldwide. He is a member of the Group Executive Committee.



## Catherine FASSI

Chief Capital and Financial Manager, SCOR Global P&C

Catherine started her career in 1999 at Mazars, after graduating from Supelec (French Engineering school) and gaining a Master's degree in Optoelectronics and Microwaves at University College London. At Mazars, she very quickly specialized in the Financial Services industry and started an Actuarial degree in parallel in 2002. Her assignments encompassed both audit and consulting work for P&C and Life insurance companies in France. She also took on a very active role in the department responsible for insurance accounting standards. Catherine became partner of the firm in 2009 and she qualified as a chartered accountant in 2012.

In 2013, Catherine joined the Finance Department of SCOR Global P&C, as Chief Accounting Officer. In 2015, she obtained the CERA / expert-ERM qualification with the French Institute of Actuaries. Today, as the P&C Chief Capital and Financial Manager, she is responsible for the management of P&C Capital worldwide (allocation, monitoring, optimization), legal entity supervision, Solvency 2 and IFRS technical landing, closing and reporting. She also handles specific projects/topics for the Division, the main one being IFRS 17 for which she contributes to the Global Program as the Project Lead for SCOR Global P&C.



## Jonathan CLARK

Global Head of Business Solutions Claims, SCOR Global P&C

A Chartered Loss Adjuster and Chartered Insurance Practitioner, Jonathan has over 35 years' claims handling experience. He has dealt with claims in over 40 countries and has worked with many of the world's largest corporations on their claims programmes. He joined SCOR in 2013 as Head of Claims in London and is now Global Head of Claims for Business Solutions

Qualifications: MA, MSc, Dip Eng, ACII, FCILA

Jonathan is Past President of the London Business Interruption Association, a past examiner on construction liability for CILA, and the current President of the Chartered Insurance Institute.

# Practical Information

## **Wifi Access**

Check the back of your name tag. If you need assistance, please ask at the reception desk.

## **Meeting Rooms**

Auditorium SCOR – Level -2. Accessible via the main stairs from the lobby  
G0P1 room - Ground floor

## **Cloakroom**

A cloakroom is located in front of the auditorium on Level -2. Please don't forget to collect your coat & luggage as you exit the building

## **Interactive Platform: [www.beekast.com/scorconf](http://www.beekast.com/scorconf)**

This year, the SCOR Annual Conference has its own interactive platform, through which you can:

During the conference

- Chat with other attendees/SCOR teams (in the Wall section)
- Choose which Breakout Session(s) you would like to attend on the final day (in the Participate section)

After the conference

- Give your feedback about the conference (in the Participate section – your feedback will only be seen by the conference team)

### HOW TO CONNECT TO THE PLATFORM

From your smartphone, tablet or laptop, go to [www.beekast.com/scorconf](http://www.beekast.com/scorconf)

Enter your first name, last name and company name.

And that's it, you're ready to explore the interactive SCOR Conference platform!

## **Lunch**

A buffet lunch will be served at the SCOR Brasserie located on the 6<sup>th</sup> floor  
*(please take the lift on the Kléber side)*

## **SCOR Contacts**

For logistics issues, please contact:

Isabelle Marie:	+33 (0)6 86 34 82 09	imarie@scor.com
Marie-Alix De Meyer:	+33 (0)6 43 64 95 96	mdemeyer@scor.com
David Jalkh:	+33 (0)6 87 86 75 71	djalkh-external@scor.com

For other questions, please contact:

Nathalie Mikaeloff:	+33 (0)7 88 14 20 31	nmikaeloff@scor.com
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(Head of Marketing, SCOR Global P&C)

**GENTLE REMINDER: PLEASE COLLECT YOUR ID FROM  
OUR RECEPTION AS YOU EXIT THE BUILDING**

# Adapting to a **changing risk universe**



**SCOR HELPS ITS  
INSURED CLIENTS TO FACE  
THE CONSEQUENCES OF RISK**

The risk universe is expanding. Risks constantly emerge, mutate and interact with each other. Technological progress and growth should not be slowed down, but we have to make sure that they are not corrupted. This is why risk must be actively managed at every level. SCOR constantly invests in the understanding and modeling of risk, building up its expertise and pushing back the frontiers of insurability so that its clients can face the consequences of risk as effectively as possible.

**SCOR and its 2,800 employees are very proud to contribute to the protection and welfare of millions of people around the world facing risks of all kinds.**



# SCOR

The Art & Science of Risk

