



2022 CISAR Symposium

GENILLARD & CO
REINSURANCE

Climate Insurance Solutions for Agricultural Risks

8th and 9th March 2022

Fully Virtual Event



Swiss Re



Liberty Mutual
REINSURANCE

Munich RE



CISAR Symposium Programme

Our annual Symposium is guided by a mission to ***Understand, Monitor & Manage the impact of Climate Change on Agricultural Production.***

We have looked to access and make available the risk modelling work of climate risk scientists with a focus on agriculture to stakeholders involved in agro insurance, integrating it into the development of a climate change driven risk management agenda.

Our territorial focus is on European markets.

The 2021 season brought highly unsatisfactory results for crop insurers and their reinsurers in the larger European insurance markets, driving a need to innovate their business and return it to profitability.

Our CISAR programme for 2022 offers the following insights:

- Learn how leading agro insurers are preparing themselves for a greater frequency and severity of natural perils events
- Learn how innovative Public Private Partnerships for crop insurance can stabilise crop insurance and make it sustainable in the years ahead
- Hear from leading agro reinsurers how they view this exacerbating risk situation
- Appreciate innovative crop insurance solutions for hitherto uninsurable systemic risks like drought
- Learn what the European policymakers can do to ensure a balanced market framework can be created for risk sharing and risk financing
- Learn what the EU's Green Deal will imply for climate risk management and opportunities for agro insurance
- Understand what Climate Risk Models are now available, and what progress is being made to develop new ones?
- Understand how technology can help create more transparency through better and more granular data on risks affecting crop production and step by step render more digital and improve the value chain in agro insurance and reinsurance

Genillard & Co. GmbH

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How the virtual event will work:

- After registration has closed and in good time before the event, participating delegates will receive on-line joining instructions
- The technologies MS Teams and Miro-Board will be utilised to facilitate presentation giving and communications during CISAR. User instructions and guidelines for these tools will also be communicated before the event, to help optimise the participative experience for everyone taking part
- After CISAR has finished, all delegates will be invited to share their feedback and experience of the symposium via an on-line survey
- For a limited time, we will also share presentation materials and the Miro-board contents developed as a result of the discussion and comments
- We kindly request that on no account are joining details and related links permitted to be shared with non-ticket holders



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CISAR Symposium Programme

Day 1

Tuesday March 8th 2022



13:30 – 13:45

Welcome by **Christopher Genillard (Managing Director, G&Co)** and the G&Co team

Keynote addresses:



13:45 – 14:15

“The predictability of frost and drought events and their long-term impact on crop production” **Dr. Stefan Niemeyer (EU Joint Research Centre)**



14:15 – 14:35

“How the agricultural insurer can prepare for the challenges posed by climate change” **Pascal Forrer (Schweizer Hagel Insurance Company, Zurich)**



14:35 – 15:15

Panel discussion: “Long-term versus short-term risk management strategies in insurance companies”



15:15 – 15:35

Get yourself a coffee-break

Keynote addresses:



15:35 – 15:55

‘The role of insurance for sustainability and resilience of the European agricultural sector’ **Robert Finger (Eidgenössische Technische Hochschule, Zurich)**



15:55 – 16:15

“Best Practice Cooperation between public sector and insurance industry for sustainable agro insurance in Europe – a view from Switzerland”
Bernard Belk (Bundesamt für Landwirtschaft / Swiss Ministry of Agriculture)



16:15 – 16:55

Panel discussion: “PPP models needed to close the protection gap in agriculture”



16:55 – 18:15

Breakout Sessions & Summaries – Networking and Discussion

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Breakout Sessions Topics, Day 1:

Session 1

Parametric Crop Insurance Schemes

- What is the potential of parametric solutions as an effective risk transfer mechanism?

Session 2

Public Private Crop Insurance Schemes

- What are the elements of a sustainable PPP?
- Which national PPP crop insurance schemes can be considered as best practice?

Session 3

Climate Change Risk Modelling in Agriculture

- What is the state of the science and how can agro-insurers access the data and models they need?
- What risk models are now available? What progress is being made to develop new ones?
- What is needed to develop “future preparedness”?

Session 4

The European Union Green Deal and its impact on crop insurance?

- How will “greening” affect crop insurance?
- Will regenerative agriculture have less needs for insurance as the resilience of agriculture will increase?

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CISAR Symposium Programme

Day 2

Wednesday March 9th 2022



09:00 – 09:05

Welcome back by Christopher Genillard (Managing Director, G&Co) and the G&Co team



09:05 – 09:35

Keynote address: “Digital tools for farm data monitoring and potential application for innovative insurance products” **Tamme van der Wal** (Plant Research, Wageningen University and Research Centre)



09:35 – 09:50

“Experience with and Evaluation of Individualized weather or yield insurance products for farm risk management” **Sebastian Mahler** (CYA GmbH)



09:50 – 10:05

“Big Data and Climate risk analysis in the face of climate crisis - Developing a Weather based Index Insurance product” **Gregory Mygdakos** (AgroApps)



10:05 – 10:20

“VitiRisk: cost-effective weather index insurance product opportunities by combining agronomic advisory services and insurance offers using on-farm weather stations” **Pietro Menghi** (Neosurance); **Damiano Angelici** (Elaisian)



10:20 – 10:35

Get yourself a coffee-break



10:35 – 10:50

“What if satellite technology on Soil Moisture & Biomass allowed you to determine the status in any field in the world with data powerful enough to feed into a whole range of applications?” **Berend de Jong** (Planet/VanderSat)



10:50 – 11:05

“Providing SAR analysis to support the insurance industry with crop growth, storm and flood damage assessment at scale” **Dominic Edmunds** (PlanetWatchers)



11:05 – 11:35

Panel discussion: “Suitability of state-of-the-art solutions and data for agro insurers”



11:35 – 11:40

Break



11:40 – 12:45

Breakout Sessions & Summaries – Networking and Discussion



12:45 – 13:00

Closing Remarks

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Breakout Sessions Topics, Day 2:

Session 1

What benefits can an agro insurer obtain by using remote sensing data?

- Remote sensing for advanced analytics and better underwriting?
- supplying soil moisture & vegetation index data as a service for farmers?
- Coupling the remote sensing with applications for loss and damage detection?

Session 2

Data Technology and Algorithms for automation of key processes in the agro insurance value

Chain

- Why is agro insurance behind other classes of insurance in the move to more efficient and less costly digital business processes?
- Advent of the digital EcoSystem approach and how the bundling of risk management services with insurance can create alignment of interest and mutuality
- The virtual cooperative for organic farmers

Session 3

The Last Mile – (how) can technology help us to reach the Farmer?

- Why do so many well-crafted insurance solutions fail to reach the farmer?
- Are there studies on social media connectivity of the farmer?
- How do we reach millions of low-income people who've never bought an insurance in their life?

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