
Publikationen der Kölner Forschungsstelle Rückversicherung
Band 17/2022

Developments in Chinese Online Insurance 2022

Lihong Wang, M.Sc. / FCII

ivwKöln

Institut für Versicherungswesen

Fakultät für Wirtschafts-
und Rechtswissenschaften

Technology
Arts Sciences
TH Köln

15th Annual Meeting of the Förderkreis Rückversicherung
[Sponsoring Group Reinsurance]
Researchers' Corner, 24 June 2022

Developments in Chinese Online Insurance 2022

Lihong Wang, M.Sc. / FCII

Introduction

Online insurance has evolved from a pure distributional channel to a technology-embedded ecosystem in China. With the impact of COVID-19 and the lockdowns, by the end of 2020, more than 140 Chinese insurance companies had launched online businesses, generating about 6% of the industry total, according to the May 2021 report by Chinese regulators (CBIRC).

Growth of Online Insurance in China

With the ongoing demographic changes (i.e., an ageing population, declining fertility, and the previous one-child policy) and China's more than 850 million active mobile users, online insurance is set to be the mainstream distributional and operational model.

In 2021, the insurance premiums of Chinese online insurers reached 292 billion yuan. After years of significant growth between 2014 and 2016, the value of premiums decreased in the following two years. However, in 2021, the online personal insurance market recovered and grew by around **38 per cent**.



Source: Insurance Association of China

Online Insurance in China

Socioeconomic

As in the West, the demand for protection of assets and life/health grows with an increase in wealth, a decline in fertility and an ageing population.

Entrepreneurship

A total of 7,741 enterprises involved in online insurance were registered with Chinese authorities in 2020, according to a data report.

Macro Environment

Evolving Regulations

With the changes in the insurance sector, regulators are quickly identifying problems and changing laws to tighten loopholes.

Technologies

The availability of advanced technologies forces insurers to operate in a fully digitized and AI-enabled environment in order to save time and money.

Challenges that Online Insurers Face

Regulations

Since August 2021, the CBIRC has issued new laws and regulations to counter irregularities in the online insurance sector, making multiple corrections and deadlines for companies to comply, or alternatively face fines and shutdowns.

Qualified advisors

With the unprecedented demand, there is a major shortage of insurance professionals, which are expensive to recruit and train. The growth of online insurance requires a supply of educated graduates, as well as continuous professional development (CPD) programmes.

Fraud

The increase of fraud operations by the insured or third parties through insurance has impacted personal insurers, especially, challenging the claims procedures. The costs of combating fraud are significant and necessary to the effort to meet regulatory requirements and profit projections.

Global Recession

The negative economic outlook puts pressure on corporations and individuals in respect of their spending. The insurance industry is facing the challenge of rising costs that are proportionally higher than operational profits.

Summary

The rise of online insurance is one of the key trends in insurance development in China. With the aid of advanced technologies, it is the fastest growing line of business. Despite multiple challenges, several significant socioeconomic factors will continue to drive online insurance growth.

15th Annual Meeting of the Sponsoring Group Reinsurance

Researchers' Corner, 24 June 2022

Developments in Chinese Online Insurance 2022

Lihong Wang, M.Sc. / FCII



My name is Lihong Wang; I work for an independent Lloyd's Broker 1065, International Risk Solutions Limited, based in London. I am also responsible for our European office in Cyprus. I have been working as a part-time researcher at the Cologne Research Centre for Reinsurance for 12 years.

The research project 'Developments in Chinese Online Insurance 2022' is part of a series of research topics I have been doing over the years, including the 2019 'China InsurTech Development' project. Three years on, it is an excellent opportunity to give an update, especially with COVID-19 and the lockdowns' impact.

In the following, I will give you some introduction and statistics on the online insurance premium development, some macro-environmental analyses and show the drivers and challenges for further growth. Finally, I will draw a conclusion in the summary.

Online insurance has evolved significantly in China. It started as a pure distribution channel and has now developed into a complex, technology-embedded ecosystem in the past eight years. According to the Chinese Insurance and Banking Regulatory Commission (CBIRC), the gross premiums for online insurance exceeded 290 billion yuan, equivalent to 45 billion US dollars, in 2021. This accounted for around 6% of the market total in the same year.

The most significant factor was China's 850 million active mobile users, some of whom were keen on online products and services, especially during the lockdowns.

By the end of 2020, more than 140 insurers had launched online insurance and expanded their products from motor insurance to multiple other lines of insurance business. The market has also seen an increasing number of third-party administrators, claims handlers, application developers, and others that provide services to insurers and insured.

The premium development is shown in the graph of the presentation. After years of significant growth between 2014 and 2016, the value of premiums decreased in the following two years. However, the online personal insurance market recovered and grew around 38 per cent in 2021 compared to the previous year. The gross premiums reached nearly 300 billion yuan, equivalent to 45 billion US dollars. This accounted for around 6% of the market total in the same year.

The background and the big picture

By now, you would ask the same questions about why online insurance has grown so significantly and why demand is so high. I looked at some of the driving factors in the macro-environment, such as socioeconomic reasons, regulations, technologies, and human factors.

Online insurance is given an excellent chance to grow due to the increase in wealth and a fundamental change in society, including the decline in the birth rate, and an ageing population, which drive the demand for insurance as people seek measures to protect their assets and liabilities and manage their healthcare costs and expenses. The current insurance penetration and density are still very low in comparison with Western countries, although China has become the second-biggest economy. The rising middle class will be the driving force behind the growth.

The advanced technologies, for example, artificial intelligence, big data, fintech, and blockchain, lower the barrier and speed up entry into the markets, so that insurers can operate in a fully digitalised environment and easily manage the life cycle of insurance products. The digital engagement of the customers enables their insurers to transact the premiums and claims at low cost and with high efficiency.

As an emerging business model, the pioneering companies face fewer challenges in compliance and fewer restrictions, for instance in marketing, solvency ratio, and product filing. With these changes in the insurance sector, regulators are quickly identifying problems and changing laws to tighten loopholes.

The human factor refers to the entrepreneurship of Chinese enterprises. A data report from Qichacha, a data and analytics firm, reported a total of 7,741 enterprises registered with the authorities to transact and be involved with online insurance in 2020. A big influx of talents from commercial, finance and IT will improve the online insurance infrastructure, so that it can further accelerate growth and maturity.

Although there are several factors mentioned above for the future growth of online insurance in China, there are some short- to medium-term challenges that the sector is currently facing.

Changing regulations

Since August 2021, the CBIRC has issued new laws and regulations to counter irregularities in the online insurance sector, making multiple corrections and deadlines for companies to comply, or alternatively face fines and shutdowns. The new rules include, amongst others, restrictions on misleading marketing, unauthorised products or unlicensed operations, and close monitoring of the solvency level and claims handling of online insurers. The government has also called for better data- and privacy-protection laws and regulations. In 2022, CBIRC also set out a new issue of risk warning on outsourcing and related-party transactions.

Shortage of qualified advisors

With the unprecedented demand, there is a major shortage of insurance professionals, which are expensive to recruit and train. As a result of emigration out of the big cities, recruiting new hires has become more difficult. The growth of online insurance requires a supply of educated graduates, as well as continuous professional development (CPD) programs. As I mentioned in the previous research project, due to the rising middle class and its impact on insurance, many young workers moved out of the first-tier cities and coast region into second- or third-tier cities or the western part of the country, leaving rather a serious shortage of skilled workers in the insurance companies.

Increasing third-party fraud

The increase of fraud operations by the insured or third parties through insurance has impacted personal insurers especially, in respect of claims procedures. The costs of combating fraud are increasing and deemed necessary to meet the regulatory requirements and profit projections. Online insurance is prone to the risk of digital fraud, identity theft, and other cyber crimes. Online fraudsters are difficult to track down, but the Ministry of Public Security in China has seen a steep increase in fraud cases investigated by Chinese police.

Global recession

Last but not least, the negative economic outlook worldwide puts considerable pressure on the spending of corporations and individuals. The insurance industry as

a whole is facing a slower growth rate than in previous years, and also faces the challenge of rising costs that are proportionally higher than operating profits.

The rise of online insurance is one of the key trends in the insurance sector in China. It is the fastest-growing line of business based on the aid of advanced technologies related to InsurTech. Despite multiple challenges, several significant socioeconomic factors will continue to drive online insurance growth.

Discussion

- China insurance market share: Do you have comparative figures for other insurance markets?

At the time of my presentation, I did not have the statistics or development details for other countries. This is due to the unique growth rates in China, and I only looked at Chinese data in the past ten years.

There has been very limited information and segregation reporting in other countries, with the exception of the UK. The value of online insurance premiums was estimated at extremely stable rates of increase for motor, property, life, and health insurance in the UK for the past years. The growth rates will also remain similar to inflation or indexation.

- Which are the principal lines of business for online insurance in China?

Motor, life and health & accident insurance are the principal lines of business. However, there are some new products such as pet insurance, household insurance, travel insurance, flight delay and parcel return insurance. Health insurance remains one of the high-growth areas.

Would you like to comment or ask any questions? Please feel free to contact Lihong Wang (Lihong.wang@th-koeln.de).

Publications of the Cologne Research Centre for Reinsurance

As of: August 2022

2022

Materne, Stefan (Hrsg.): Jahresbericht 2021 der Kölner Forschungsstelle Rückversicherung. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 1/2022.

Materne, Stefan (Hrsg.): Annual Report 2021 of the Cologne Research Centre for Reinsurance. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 2/2022.

Cremer, Frank / Sheehan, Barry / Fortmann, Michael / Arash N., Kia / Mullins, Martin / Murphy, Finbarr / Materne, Stefan: Cyber risk and cybersecurity: A systematic review of data availability, The Geneva Papers on Risk and Insurance - Issues and Practice

Humberg / Christian / Sheehan, Barry / Shannon, Darren / Fortmann, Michael / Materne, Stefan: Diversification and Solvency II: The Capital Effect of Portfolio Swaps on Non-life Insurers, The Geneva Papers on Risk and Insurance - Issues and Practice.

Materne, Stefan (Hrsg.): Proceedings des Researchers' Corner zur 15. Jahrestagung des Förderkreises Rückversicherung 2022. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 3/2022.

Materne, Stefan (Hrsg.): Proceedings of the Researchers' Corner for the 15th Annual Meeting of the Sponsoring Group Reinsurance 2022. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 4/2022.

Cremer, Frank / Bauer, Dan: Verfügbarkeit und Bewertung von Daten zu Renewal Rights, in: Zeitschrift für Versicherungswesen (ZfV), 17 | 2022.

Cremer, Frank / Sheehan, Barry / Fortmann, Michael / Mullins, Martin / Murphy, Finbarr: Cyber exclusions: An investigation into the cyber insurance coverage gap, in: Séamus Dowling, Michael Lang, Ruth Lennon: Cyber Research Conference 2022- Ireland (Cyber-RCI) (to appear).

Cremer, Frank / Materne, Stefan: Das Cyber-Kumulsrisiko In: Institut für Versicherungswesen (Hrsg.): Risiko im Wandel als Herausforderung für die Versicherungswirtschaft, Springer Verlag (to appear).

Cremer, Frank: Grenzen des (Rück-) Versicherungsschutzes – Eine Analyse der Ausschlüsse der Cyber-Bedingungen. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 5/2022.

Dirks, Jörg: Retrozession innerhalb einer ESG-konformen Geschäftsausrichtung. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 6/2022.

Joniec, Robert: Klassische RV-Platzierungen und -Auktionen – Wir wissen, dass wir nichts wissen. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 7/2022.

Koch, Wolfgang: Berücksichtigung von Klimawandelszenarien im ORSA. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 8/2022.

Lassen, Fabian: ESG-Kriterien im Underwriting von Rückversicherern. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 9/2022.

Wang, Lihong: Die Entwicklung chinesischer Online-Versicherungen im Jahr 2022. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 10/2022.

Winkler, Erik: Insurance Capital Standard (ICS). Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 11/2022.

Cremer, Frank: Limits of (re)insurance cover – An analysis of exclusions of cyber-conditions. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 12/2022.

Dirks, Jörg: Retrocession within an ESG-compliant business orientation. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 13/2022.

Joniec, Robert: Classic reinsurance placements and auctions – We know that we know nothing. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 14/2022.

Koch, Wolfgang: Accounting for climate-change scenarios in the ORSA. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 15/2022.

Lassen, Fabian: ESG criteria in reinsurer underwriting. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 16/2022.

Wang, Lihong: Developments in Chinese Online Insurance 2022. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 17/2022.

Winkler, Erik: Insurance Capital Standard. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 18/2022.

2021

Materne, Stefan (Hrsg.): Jahresbericht 2020 der Kölner Forschungsstelle Rückversicherung. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 1/2021.

Materne, Stefan (Hrsg.): Annual Report 2020 of the Cologne Research Centre for Reinsurance. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 2/2021.

Fortmann, Michael: Versicherungsschutz für Ansprüche aus § 64 Satz 1 GmbHG in der D&O-Versicherung, jurisPR-VersR 1/2021, Anmerkung 1.

Rohlf, Torsten / Sebralla, Fabienne: Prüfung der Solvabilitätsübersicht, <https://solvency-kompakt.de/content/pruefung-der-solvabilitaetsuebersicht>.

Fortmann, Michael: Aufrechnungserklärung als Versicherungsfall in der D&O-Versicherung, jurisPR-VersR 2/2021, Anmerkung 2.

Fortmann, Michael: Versicherungsschutz von Ansprüchen aus § 64 Satz 1 GmbHG a.F. in der D&O-Versicherung, jurisPR-HaGesR 2/2021, Anmerkung 6.

Fortmann, Michael: Betriebsschließungsversicherung – neues Haftungspotenzial für Versicherungsvermittler? R+s 2021, S. 121-128.

Fortmann, Michael: Umfang des Deckungsschutzes im Rahmen der Berufshaftpflichtversicherung für Rechtsanwälte, jurisPR-VersR 4/2021, Anmerkung 1.

Winkler, Erik / Cremer, Frank: 18. Kölner Rückversicherungs-Symposium: Rückversicherung 2021 – Was sind die politischen / regulatorischen Rahmenbedingungen?, in: Die VersicherungsPraxis (VP), 6/2021, S. 40-42.

Fortmann, Michael: Betriebsschließungsversicherung – Anmerkung zu LG Flensburg, Urteil vom 17.12.2020 – 4 O 143/20, COVuR 2021, S. 158.

Fortmann, Michael: Die Prospekthaftungsversicherung, r+s 2021, S. 245.

Materne, Stefan (Hrsg.): Proceedings des Researchers' Corner zur 14. Jahrestagung des Förderkreises Rückversicherung 2021. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 3/2021.

Materne, Stefan (Hrsg.): Proceedings of the Researchers' Corner for the 14th Annual Meeting of the Sponsoring Group Reinsurance 2021. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 4/2021.

Cremer, Frank: Verfügbarkeit und Standardisierung von Daten zu Cyber Risiken. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 5/2021.

Dirks, Jörg: Silent Cyber in der Rückversicherung – Herausforderung und Chancen. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 6/2021.

Joniec, Robert: Allokationsmechanismus RV-Markt – Die Schattenseite des Traditionellen. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 7/2021.

Koch, Wolfgang: Einschätzung des BaFin Merkblattes zu Nachhaltigkeitsrisiken im Risikomanagement. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 8/2021.

Lassen, Fabian: Einsatz von Auktionen zur Platzierung von Rückversicherung. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 9/2021.

Pütz, Fabian: RV-Aspekte von Ökosystemen im Bereich Automotive & Mobility. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 10/2021.

Wang, Lihong: COVID-19 Impact on Chinese (Re)Insurance Industry. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 11/2021.

Cremer, Frank: Availability and standardisation of data on cyber risks. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 12/2021.

Dirks, Jörg: Silent Cyber in Reinsurance – Challenges and Opportunities. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 13/2021.

Joniec, Robert: The reinsurance market as allocation mechanism – The shadow side of the traditional. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 14/2021.

Koch, Wolfgang: Assessment of the BaFin Guidance Notice on Dealing with Sustainability Risks in Risk Management. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 15/2021.

Lassen, Fabian: Use of auctions for reinsurance placement. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 16/2021.

Pütz, Fabian: Reinsurance aspects of ecosystems in the automotive and mobility field. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 17/2021.

Wang, Lihong: Auswirkungen der COVID-19-Pandemie auf die chinesische Erst- und Rückversicherungswirtschaft. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 18/2021.

Dirks, Jörg: Cyberrisiken in der Rückversicherung – Versicherbar auf parametrischer Basis und durch künstliche Intelligenz?, in: Zeitschrift für Versicherungswesen (ZfV), 21 | 2021, S. 673-677.

Kaya, Hüseyin, Röpke, Romina, Rohlf, Torsten (2021): Eine vergleichende Analyse von Solvenzquoten und Ratings – Update 2021, in: Zeitschrift für Versicherungswesen (ZfV), 24 | 2021, S. 787-792.

Heep-Altiner / Maria, Rohlf / Torsten: Die Bewertung von Klimarisiken bei Schaden-/Unfallversicherern, Assekurata-Newsletter 69/2021.

2020

Materne, Stefan (Hrsg.): Jahresbericht 2019 der Kölner Forschungsstelle Rückversicherung. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 1-2/2020, 2. Auflage.

Materne, Stefan (Hrsg.): Annual Report 2019 of the Cologne Research Centre for Reinsurance. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 2-2/2020, 2. Auflage.

Fortmann, Michael: Rechtliche Gefahren für Manager im Zusammenhang mit Cyberfällen, in: Zeitschrift für Versicherungswesen (ZfV), 9 | 2020, S. 273 – 276.

Fortmann, Michael: Managerhaftung und deren Deckung in Zeiten des Coronavirus SARS-CoV-2, in: juris PraxisReport Versicherungsrecht (jurisPR-VersR) 5 | 2020 Anmerkung 2

Fortmann, Michael: Betriebsschließungsversicherungen in der Coronakrise, in: Zeitschrift für Versicherungswesen (ZfV), 10 | 2020, S. 300

Materne, Stefan (Hrsg.): Proceedings des Researchers' Corner zur 13. Jahrestagung des Förderkreises Rückversicherung 2020. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 3/2020.

Materne, Stefan (Hrsg.): Proceedings of the Researchers' Corner for the 13th Annual Meeting of the Sponsoring Group Reinsurance. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 4/2020.

Dietmann, Manuel: Präventive Sanierungsplanung bei Versicherungsunternehmen. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 5/2020.

Dirks, Jörg: Cyberrisiken in der Rückversicherung – Versicherbar auf parametrischer Basis und durch künstliche Intelligenz? Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 6/2020.

Joniec, Robert: Kapital ist fungibel, der Markt wird effizienter – Doch wie valide sind Forschungsergebnisse? Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 7/2020.

Koch, Wolfgang: Entwicklung der Sovereign Cat Pools in Schwellen- und Entwicklungsländern. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 8/2020.

Lassen, Fabian: Environmental Social Governance – Ein Blick auf die Rückversicherer. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 9/2020.

Pütz, Fabian: RV-Aspekte von Produktrückrufen im Automobilbereich. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 10/2020.

Dietmann, Manuel: Preventive recovery planning for insurance companies. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 11/2020.

Dirks, Jörg: Cyber risks in reinsurance – Insurable on a parametric basis and through artificial intelligence? Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 12/2020.

Joniec, Robert: Capital is fungible, the market is growing more efficient – But how valid are research results? Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 13/2020.

Koch, Wolfgang: Trend in sovereign cat pools in emerging and developing economies. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 14/2020.

Lassen, Fabian: Environmental social governance – A look at the reinsurer. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 15/2020.

Pütz, Fabian: Reinsurance aspects of product recalls in the automobile sector. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 16/2020.

Wang, Lihong: China's Belt and Road Initiative (BRI) – Its impact on the global (re)insurance. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 17/2020.

Materne, Stefan (Hrsg.): Die Rückversicherung nach HIM. Technische Hochschule Köln. Publikationen der Kölner Forschungsstelle Rückversicherung, Band 18/2020.

Pütz, Fabian / Materne, Stefan: Transfer von Naturkatastrophenrisiken von Schwellenländern über Cat-Bonds (I.), in: Zeitschrift für Versicherungswesen (ZfV), 15-16 | 2020, S. 499-503.

Fortmann, Michael: Coronakrise und Betriebsschließungen – noch kein Ende der Unsicherheit in Sicht, in: Zeitschrift für Versicherungsrecht, Haftungs- und Schadenrecht (VersR), 17 | 2020, S. 1073-1081.

Pütz, Fabian: Das Risiko von Produktrückrufen im Zeitalter von vernetzten automatisierten Fahrzeugen, in: Versicherungspraxis (VP), 9/2020, S. 17-22.

Pütz, Fabian / Materne, Stefan: Transfer von Naturkatastrophenrisiken von Schwellenländern über Cat-Bonds (II.), in: Zeitschrift für Versicherungswesen (ZfV), 17 | 2020, S. 532-538.

Fortmann, Michael: Managementhaftung und Eigenschadenabsicherung – Eine gute Kombination für Manager?, in: Neue Juristische Wochenschrift (NJW), 42 | 2020, S. 3064 – 6068.

Fortmann, Michael: Organhaftung und Versicherungsschutz bei Ansteckungsrisiken, in: Arbeitsschutz in Recht und Praxis, 12 | 2020, S. 384-386.

Fortmann, Michael: Betriebsschließungsversicherung – ein Update, in: recht und schaden (r+s), 12 | 2020, S.665 – 675.

2008-2019

The publications of the Cologne Research Centre for Reinsurance for the years 2008-2019 can be found at https://www.th-koeln.de/wirtschafts-und-rechtswissenschaften/veroeffentlichungen-der-forschungsstelle-rueckversicherung_36137.php.

Publisher's details

This document has been issued as part of the series of 'Publications by the Cologne Research Centre for Reinsurance'. A complete overview of all previous publications can be found at the end of this publication.

**Publikationen der Kölner Forschungsstelle Rückversicherung, Band 17/2022
ISSN 2567-6652.**

Wang, Lihong: Developments in Chinese Online Insurance 2022

Schriftleitung / editor's office:

Prof. Stefan Materne, FCII

Lehrstuhl Rückversicherung
Chair of Reinsurance

Direktor der Kölner Forschungsstelle Rückversicherung
Director of the Cologne Research Centre for Reinsurance

Institut für Versicherungswesen /
Institute for Insurance Studies

Fakultät für Wirtschafts- und Rechtswissenschaften /
Faculty of Business, Economics and Law

Technische Hochschule Köln /
Cologne University of Applied Sciences

Gustav Heinemann-Ufer 54
50968 Köln / Cologne
Germany

Mobile +49 171 7789 265
Mail stefan.materne@th-koeln.de
Web www.th-koeln.de

Gutachter / reviewer:

Ingo Wichelhaus

Vorstand BVZL International
Executive Board, BVZL International

Mobile + 49 171 5642 673
Mail ingo.wichelhaus@bvzl.de

August 2022