Research commissioned by INSPIRE to date

In 2019, INSPIRE issued two comprehensive calls for proposals responding to the broad range of research topics identified by the NGFS work streams, namely microprudential supervision, macro-financial aspects, scaling up green finance, as well as a number of cross-cutting themes which cross-cut these workstreams. These calls were launched in March and July 2019 and resulted in 21 INSPIRE research projects clustered in the five main areas below. INSPIRE’s commissioned research to date includes:

**Theme 1: Microprudential regulation, disclosure and climate change**
- Supervision beyond the business cycle: A framework for long-term financial supervision - Ben Caldecott, Jakob Thomä
- Working Group on Banking Supervision and Sustainable Development in the Americas - Kevin P. Gallagher, Daniel Schydlowsky, Janine Ferretti
- How could the U.S. Federal Reserve and other financial market supervisors incorporate climate considerations into their responsibilities? - Adele Morris, Warwick Mckibben
- E&S Risk Management in Brazilian Banking: From an E&S Management Structure to Climate Scenario Analysis Development - Guilherme Teixeira, Gustavo Pimentel, Beatriz Maciel
- Mandatory ESG disclosure and financial stability - Dragon Yongjun Tang, Rui Zhong

**Theme 2: Macroprudential regulation, financial instability and climate change**
- A risk management framework to address the endogeneity of transition risk - Stefano Battiston, Antoine Mandel, Irene Monasterolo
- Macroprudential instruments to scale up green finance - Paola D’Orazio, Lilit Popoyan
- Low-Carbon Transitions and Systemic Risk – Jason Eis, Rosie Dollman, Giulio Vannicelli, Emanuele Campiglio
- The stochastic impact of extreme weather events - Amit Kara, Ian Hurst, Iana Liadze
- What are the options for sustainable crisis response measures? - Kate Levick, Aziz Durrani, Claire Healy, Ulrich Volz
- Climate-related financial policy in a world of radical uncertainty - Towards a precautionary approach - Joshua Ryan-Collins, Hugues Chenet

**Theme 3: Definitions of and risk differentials between ‘green’ and ‘brown’**
- Using Credit Risk as an empirical basis for the development of brown taxonomies - Charles Donovan, Bob Buhr, Anastasiya Ostrovnaya, Alexandre Koberl
- Estimating the impact of physical climate risks on the probability of default (PD) of mortgage loans in the coastal cities of China - Ma Jun, Sun Tianyin, David Bresch, Gabriela Aznar Siguan
- Is Credit Risk Lower for Banks’ Green Assets? - Rui Zhong, Jing Yu, Xiaoyan Zho

**Theme 4: Monetary policy, direct and indirect monetary instruments and climate change**
- Greening the Eurosystem collateral framework - Yannis Dafermos, Daniela Gabor, Maria Nikolaidi, Frank van Lerven
- The Role of Monetary Policy Under a Zero-Carbon Transition - Jason Eis, Rosie Dollman, Giulio Vannicelli, Pablo Anton Arnal, Warwick McKibbin
- Central banks’ mandates for green credit guidance - Muriuki Muriungi

**Theme 5: Sovereign bonds, climate change-related and environmental risk**
- Climate Change and Sovereign Credit Ratings - Matthew Agarwala, Patrycja Klusak, Moritz Kramer, Kamiar Mohaddes
- The impact of country SDG performance on sovereign bond spreads - Eline ten Bosch, Dirk Schoenmaker, Mathijs van Dijk
- Sovereign risk and climate change - Ulrich Volz, John Beirne, Emilie Mazzacurat, Jeanne Stampe

*About INSPIRE: INSPIRE is a global, philanthropy-supported research platform established to commission independent, gold-standard research on the financial oversight of climate risks and the promotion of green finance. INSPIRE was created to support the members of the Network for Greening the Financial System (NGFS), a network of more than 50 central banks and supervisors, and observer organizations from Africa, the Americas, Asia, Australasia, and Europe, as they work to enhance the financial system’s ability to manage climate-related financial risks and mobilize capital for green and low-carbon investments. INSPIRE is hosted by ClimateWorks and the Grantham Research Institute at the London School of Economics, and commissions research guided by an Advisory Committee with domain expertise and close interface with the NGFS and its three workstreams. It operates independently from the NGFS, which has recognized INSPIRE as an official research stakeholder. For more information, please see: [https://www.climateworks.org/inspire/](https://www.climateworks.org/inspire/)*