

Assessing Climate risk in Mortgage portfolios

GCD European conference - Panel Discussion

Moderator: Claire Gentil

Panellists: Fateme Joibari, Sander Scheerders, Massimo Cutaia & Mark Dutrisac

Zurich, 6 March 2026, 13:40-14:20



Agenda

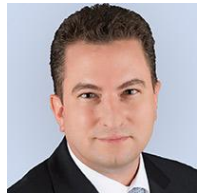
1. Setting the scene
2. Listening to the whispers in the room
3. Focused themes – questions to the panellists
4. Harvesting and looking forward



Fateme Joibari
CEO
PoriZma



Sander Scheerders
Principal Climate Risk Model Consultant
Rabobank



Massimo Cutaia
Head Retail Risk Models
UBS AG



Mark Dutrisac
VP Credit Analytics & Climate Risk (& GCD Board)
National Bank of Canada



1. Setting the scene

Objective of the session: investigate members' appetite for a new service by GCD



Retail: mortgages historically out of scope of Global **Credit** Data for good reasons



Many (**potential**) members with large mortgages portfolios – **still** on AIRB



ESG Focus Group:
Residential
Real Estate?



Climate risk strategy: **regional, regulatory** and **portfolio analytics** trends

Global Credit Data
by banks for banks

Climate Risk Modelling Perspective: Industry Insights

**All opinions and experiences expressed herein are the speaker's own and should not be attributed to GCD or any GCD member banks.*

GCD Climate Initiatives...get involved!

Climate And Credit Risk Come Together

- Standard Methods**
Identify and publish standard quantification methods
- Data & Metrics**
Collection of key climate drivers in the PD & LGD platforms
- Active Focus Group**
- Regional Activities**
Banks collaborate through webinars, surveys and regional initiatives. Collaboration projects with regulators
- UNEP FI Collaboration ESG Scorecard**
ESG & Sustainability Risk Scorecard metrics pooling project
- European Banking Authority (EBA) Collaboration**
Joint analysis on correlation between ESG risk drivers and defaults/PDs
- Climate Focus Group**
Establish Workstreams. Meet with banks on integration of climate into credit risk
- Results soon**

March 5&6 GCD Zurich Conference!

Data aanleveren | Aansluiten als softwareleverancier | Aansluiten als financier | Over ons

Environmental, Social, Governance

Is jouw organisatie gevraagd om ESG-gegevens (digitaal) aan te leveren? Of ben je als financiële partij op zoek naar betrouwbare ESG-data?

SBR Nexus is samen met een aantal banken in 2025 een ESG initiatief gestart. Op deze pagina vind je meer informatie over hoe wij ESG-gegevens verzamelen, rapportages standaardiseren, het doel van dit portaal en de voordelen die het jouw organisatie of financiële instelling biedt.

PoriZma Services Products About Us Contact Book a free consultation

Climate Risk

Integrating Climate Transition Risk Into Credit Risk Landscape

Navigating the evolving ESG regulatory landscape can be challenging

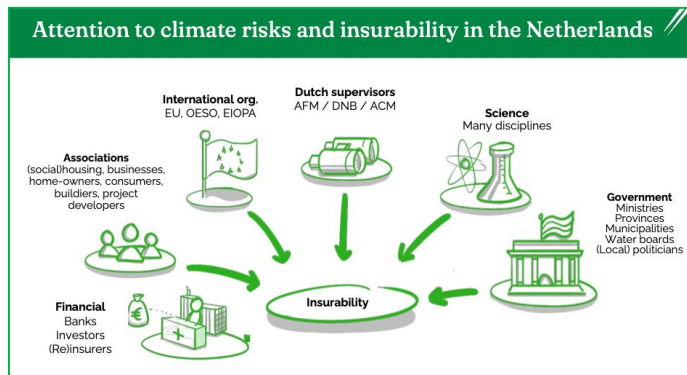
- Climate risk is set to significantly impact credit risk, affecting lenders' cash flows, capital, and collateral valuations
- Our innovative tool specifically quantifies climate transition risk, addressing a critical need for many institutions
- We enable our clients to effectively take regulatory expectations into account in developing and validating climate transition and physical risk models

The urgency of climate change is becoming more apparent over recent years, which will have an impact on the transition to a low-carbon economy. The urgency of addressing climate change is becoming increasingly apparent, which can significantly impact businesses in key sectors as they transition to a low-carbon economy. Our mission is to stay up to date on with the regulatory expectation documents, academic papers, and practitioner insights; and further develop these to empower our clients to take appropriate measures.

Managing Climate Transition Risk in Financial Institutions

Financial institutions face the challenge of having to ensure that climate transition risk is effectively taken into their risk framework, in for example the valuation of collateral or creditworthiness of clients. This principle holds for clients in the most carbon-intensive industry as well as customers to whom financing is provided to make their homes more environmentally-friendly.

Our Solution: Quantifying and Integrating Climate Risk

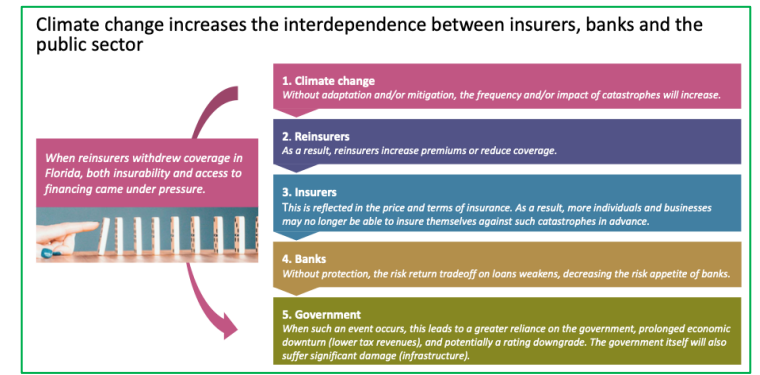


Dutch Climate Risk Portal

Home Climate risk Hazards & Data Tools & Resources Helpdesk

Dutch Climate Risk Portal

Welcome to the Dutch Climate Risk Portal, your resource for professional insights into physical climate risks in the Netherlands. Access research, maps, and data sources, along with essential context for effective modelling, reporting, and risk management.



2. Listening to the whispers in the room

- What about you?
- Definition of “mortgages”?
- How will physical risk lead to (extra) defaults in your mortgage portfolios?
 - Climate risk is NOW, both physical and transition risk....
 - It will not happen within 12 months so no need to incorporate in IRB-models...
- BIS WP 1274: “RegTech solution”?

“While banks can develop this expertise themselves, a RegTech solution which would allow them to outsource this work to trusted service providers whose solutions can be centrally audited, including by regulators, may be beneficial.”



3. Focused themes / questions to panellists

- EU / NL focus
 - size/relevance sector, EBA/ECB policy, EU-agenda
 - data- and collaboration initiatives (incl. insurers)
 - business implementation challenges
- Europe / non-EU / CH focus
 - energy labels, climate scenarios, data aggregators
 - banks' approaches to physical and transition risks
- Global / NA / Canada focus
 - politics vs. reality for banks
 - (government-backed) insurance
 - commercial data sources
 - Direct vs. indirect impacts
- Questions to the panel (next slide)



3. Focused themes / questions to panellists

- #1: transition risk: not for pillar 1? Based on your experience, which concrete questions should banks answer from a quantitative modelling point of view?
- #2: how does your bank assess/incorporate/model climate risks in the mortgage portfolio in 2026?
- #3: can Switzerland replicate Dutch collaborative initiatives like (public) data aggregators, energy labels, specific scenarios?
- #4: can you discuss how are things looking on the other side of the Atlantic?
- #5: do you envision a “RegTech solution” role for GCD in this area?



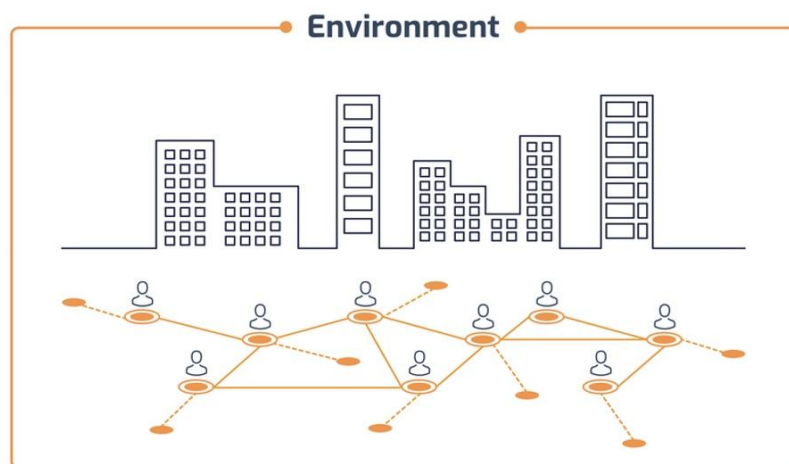


Balancing Climate Transition Risk and Climate Impact

PoriZma's approach to climate risk, impact, and their interaction

Climate Impact

Challenge: How to use limited available resources effectively?
E.g how to maximize carbon emission reduction per EUR investment?



Agents Agent-Agent Interactions Agent environment Interactions

We use Agent-Base Models (**ABM**) to simulate the impact.

Climate Transition Risk

Challenge: Can transition risk be quantified?



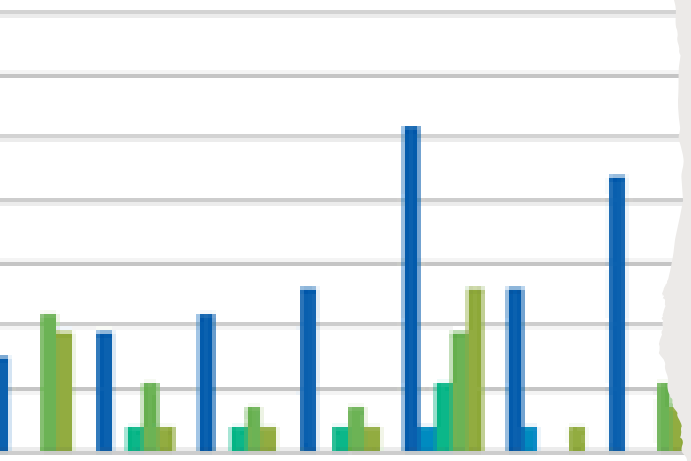
We run scenario-based stochastic simulations using academic frameworks and public data to assess impacts on cust affordability (PD) and collateral values (LGD).



Key metrics

Key metrics are quantitative measures of progress in the transition to a low-carbon economy

■ Climate Risk Reporting ■ IFRS 9 or CECL



4. Harvesting and looking forward

- Extra insights from the audience?
- Consensus around the direction?
- Business case(s) for (new) members?
- Actionable next steps for GCD. With members: survey, more?
- Globally, locally, within ESG FG?
- Or...
- Let's keep Retail and GCD separated for the time being?

