Leverage the combination of Yield Book's comprehensive fixed income experience and state-of-the-art climate models in your securitized asset portfolios.

With over $2 trillion in damages caused by natural disasters and events since 1980 in the US alone, alongside tightening regulation, enhanced risk management and reporting requirements, there is an acute need for the market to integrate best-in-class approaches to physical climate risk.

Our tailored physical climate risk analytics were developed with extensive feedback from the market, covering both acute and chronic hazard and scenario combinations globally, with value-driving applications throughout the investment lifetime. Combined with Yield Book's comprehensive view of the securitized market, our physical climate risk offering empowers effective risk management, scenario analysis, portfolio benchmarking, and the fulfilment of regulatory requirements via flexible, scalable data delivery mechanisms.

The exposure of assets underlying MBS instruments to physical climate risks is computed using Yield Book's proprietary methodology, employing both asset-level information and socioeconomic development and climate change mitigation progress can be actioned via the SSP/RCP scenarios made available, representing varying degrees of climate change risk.

**100+**

years of historical and projected data

**570K+**

US mortgage backed securities CRT, jumbo, and legacy

**Global reach**

Climate risk data available globally

Source: Yield Book. For illustrative purposes only.
Principles of our physical climate risk analytics

**Objective**
Yield Book’s purely quantitative approach enabled by the latest developments in climate science avoids common issues caused by subjective judgements.

**Collateral-based**
Climate exposure is derived at asset level, rolling up to security level to enable seamless comparison and integration.

**Flexible**
Scenarios allow users to inject their views and act consistently.

Wide range of use-cases

<table>
<thead>
<tr>
<th>Climate scenario analysis</th>
<th>Reporting to stakeholders</th>
<th>Fundamental research &amp; risk management</th>
<th>Deal structuring</th>
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<tbody>
<tr>
<td>Regulatory requirements and best-in-class risk management.</td>
<td>Automate reports to monitor climate risk credentials on portfolio and provide regular updates to key stakeholders, or as part of a prospectus.</td>
<td>Conduct back-testing and enable deep research and risk mitigation strategies using historical data.</td>
<td>Add climate risk dimensions to obtain the desired deal-level characteristics.</td>
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Solves numerous challenges to climate risk integration in MBS workflows

- **Unique third-party physical climate risk analytics for complex asset class**: obtain quantitative insights into physical climate risk indicators of MBS, created in partnership with climate science experts and with the backing of market participants.
- **Wide fixed income coverage**: across corporate and sovereigns, clients can access 550+ securities with over $100 trillion in notional outstanding.
- **Integrated and flexible delivery**: get access to trusted data and analytics by connecting to the Yield Book REST API service.