

XDI , Cross Dependency Initiative

Global leaders in physical climate risk analysis

XDI Cross Dependency Initiative provides the world’s most powerful and detailed physical climate risk analysis and adaptation capabilities across the globe. Powered by the award-winning Climate Risk Engines the XDI Platform brings together asset level data sets with extensive climate models to help organisations analyse and quantify the physical impacts of climate change on their business operations.

Supported by one of biggest and most tenacious climate adaptation team in the world, XDI believes in the power of change and continues to work tirelessly to support and empower organisations with the capabilities needed to quantify the cost of climate change.

Presenting sophisticated analysis within simple reporting formats, XDI’s products are suitable for both internal and external distribution as standalone management presentations, or embedded as companywide reporting.



Supporting Sector Specific standard and complex needs

Supporting a growing portfolio of global organisations, XDI’s battle proven core technology is perfectly placed to meet the rapid growth in demand for specialised climate risk analysis across the various sectors:

BANKING, INVESTMENT & FINANCE

- **Portfolio analysis** - High level risk identification with aggregated data
- **Single asset drill down** - Understanding which hazard presents the risk to assets at risk
- **Company benchmarking**

INFRASTRUCTURE, CORPORATE & NOT-FOR-PROFIT BUSINESS

- **Individual asset risk analysis and adaptation**
- **Adaptation cost benefit analysis** - Building resilience in operations
- Build adaptation pathways and plan your resilience
- **Physical climate risk reporting**
- TCFD aligned asset level insights for ESG and financial reporting
- **Portfolio analysis**

MUNICIPAL, STATE & FEDERAL GOVERNMENT

- **Cross dependent analysis** - Protecting community and infrastructure
- **Local economic impacts of climate**
- **Local area hazard risk modelling**
- **Land use planning with climate change modelling**



Working with key decision markers across the globe

XDI analysis supports decision making around TCFD reporting, financial analysis and asset management for business, Government and finance world-wide. XDI can support global scale analysis with asset level granularity.



Providing access to the world's most powerful and detailed analysis

The Climate Risk Engines analyse the impacts of extreme weather and climate change to critical infrastructure and other physical assets. With over 500 million individual assets on board and 9 million companies in the database, XDI ranks the highest for hazard covered, geographical reach and capacity for analysis of large number of assets.



500,000,000

Assets on board



9,000,000

Companies in our database



175

Countries covered



37,000,000

Residential addresses analyzed



30,000

Commercial addresses analyzed



Supporting climate related financial disclosure reporting

XDI analysis is curated to match the needs of best practices reporting from around the work providing:

Direct & Indirect Risk

- Hazard impacts over time
- Business disruption probability
- Loss of productivity
- Economic impacts by region
- Upstream dependencies for critical infrastructure assets
- Impacts on insurability

Emission Scenario

- For physical risk analysis:
- RCP 8.5 is used to stress test assets or portfolios under a worst-case emissions scenario
- RCP 2.6 is used for best case scenario
- RCP 4.5/6.0 can be added for a moderate mitigation pathway

Time Frames

- Probabilistic analysis:
- Five year or per decade
- With baseline from 2020 to 2100

Metrics & Outputs

- Average Annual Loss
- Total Technical Insurance Premium
- Percentage of Value-at-Risk
- Number of High-Risk Properties
- Percentage of High-Risk Properties
- Failure Probability
- Productivity Loss

Committed to shifting the dial on climate change

Backed by a team of specialists across science, engineering and software development, XDI project managers and data analysts provide expertise in an area of climate change that is new to many, offering the best solution for complex needs.

For further information please visit the [XDI website](#) .

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