

An open source **Cat Loss** Modeling solution

Bringing the industry, governmental and academic worlds together



The Oasis UI is the front-end of the Oasis Loss Modeling Framework platform. The web application allows users to upload exposure data with locations, financial accounts information and reinsurance coverage.

CHALLENGES

Lean and performant, reactive, feature-rich web application with reduced, hidden complexity.

Design and Workflow that allows flexible extension in a simple way.

To visualize and export large amounts of information in concise, meaningful ways, while providing capabilities to dig deeper.

Summarize exposures and risks through plots and maps. Dashboard for ad-hoc graphs.

Clear, simple path for standard use-case. **User friendly** interactive data exploration and model configuration.

Implementation with **Shiny Modules, custom CSS and minimal JavaScript**. Integration with back-end through API and data-hub layer.

SOLUTIONS

Highly flexible and responsive to multiple model representations

Intuitive vocabulary and workflow; open data standards.

Free and open source technology, leveraging R / Shiny and the community behind, allowing custom extensions and further development.

“The application is developed using modern and automated processes. The look and feel are very intuitive and the data interoperates with great visualization toolkits.