The Challenges of Using GIS at a Lloyd's syndicate

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Overview

- Nature of Lloyd's syndicates
- Visualising risks
- CatNav
- Pre-bind example
- Post-bind example
- Post-event example

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Lloyd's Class Breakdown by Region

	US and Canada	Other Americas	United Kingdom	Rest of Europe	Central Asia & Asia Pacific	Rest of the World	Total for all Regions
Reinsurance	24%	70%	26%	32%	46%	63%	32%
Property	35%	7%	25%	18%	16%	8%	26%
Casualty	23%	12%	23%	20%	25%	11%	22%
Marine	7%	5%	6%	18%	8%	7%	9%
Energy	7%	3%	2%	6%	2%	3%	5%
Motor	2%	1%	17%	2%	1%	3%	4%
Aviation	2%	2%	1%	4%	2%	5%	2%
Total GWP	47%	7%	18%	14%	10%	4%	100%

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Lloyd's Syndicates

The Modern Pentathletes of the Insurance World

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Differences in policies

Terrorism policy in Shanghai

- Single peril
- Single location
- Static
- Poor geocoding
- Spreadsheet

Binder policy in Texas

- Multiple perils
- Tens of thousands of locations
- Dynamic
- Geocoding good
- SQL database

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Visualising Risks

Pre Bind

Are properties at risk?

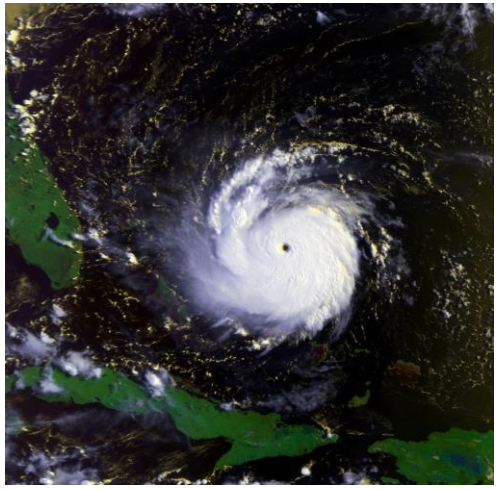
From which perils?

Does the risk aggregate against existing portfolio?

Post Bind

Is there an aggregation issue?

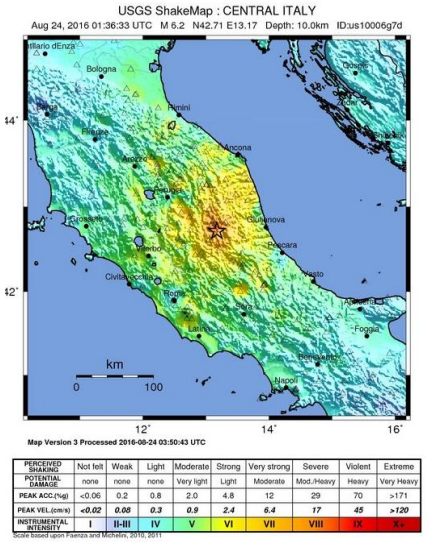
Was the account underwritten appropriately?



Pre / Post Event

Will there be a loss?

How large will it be?



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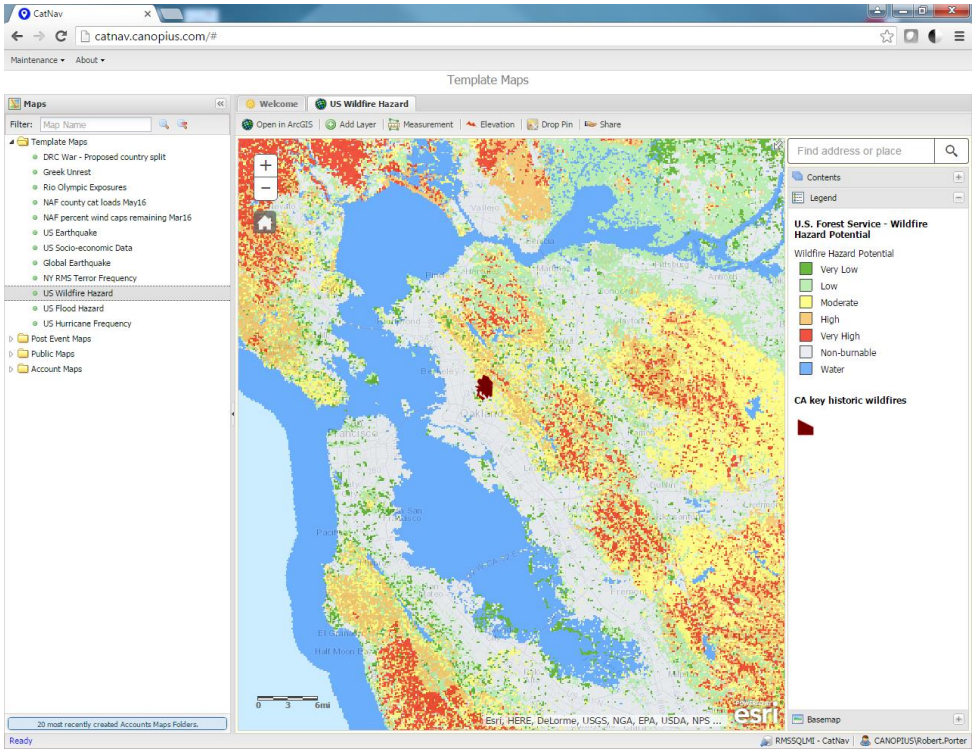
Requirements of GIS platform

- Simple to use
- Flexible
- Extensible
- Customizable
- Maps easy to generate
- Drawing on existing exposure data

CatNav

- One stop shop for maps
- Internal app
- Similar maps grouped
- Controlled access by team
- Limited functionality
  - Address search
  - Basic tools
  - Streetview



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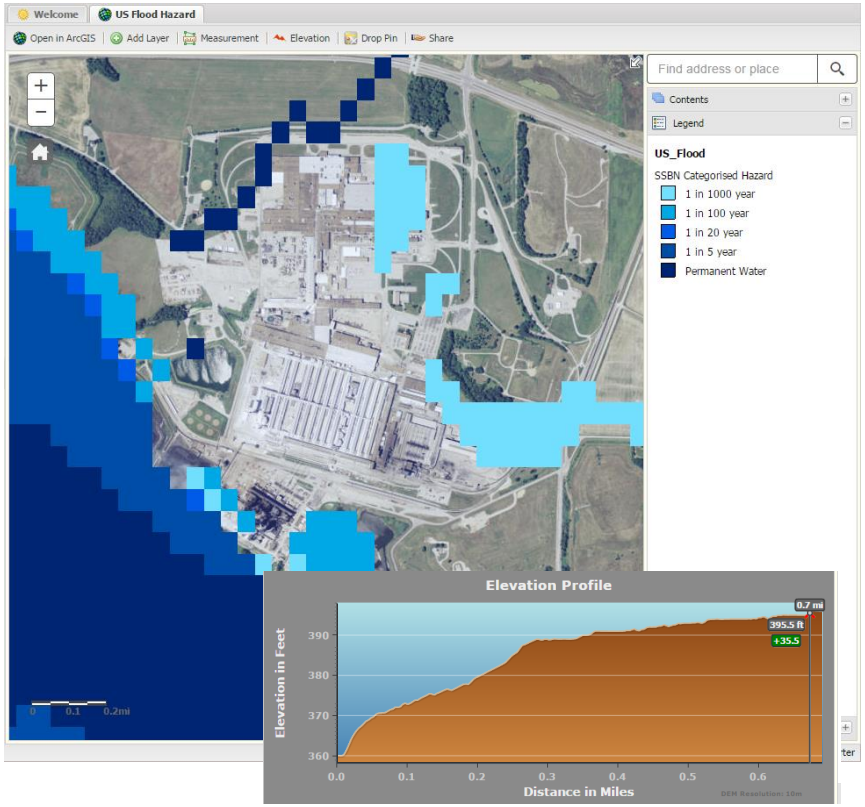
Pre Bind – Large Property

- Accessible to underwriters
- Can identify risk from a range of perils
- Important for perils with high hazard gradient



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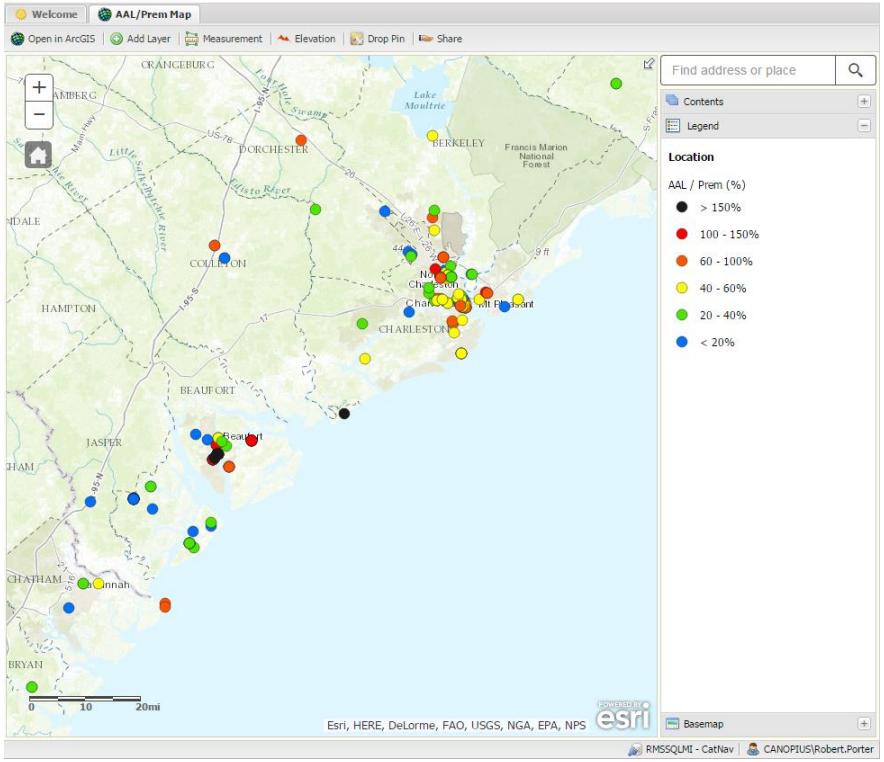
Post Bind – Binder book

- Tailored to binder team's needs
- Highlights profitable locations
- Auto-generated map on a regular basis



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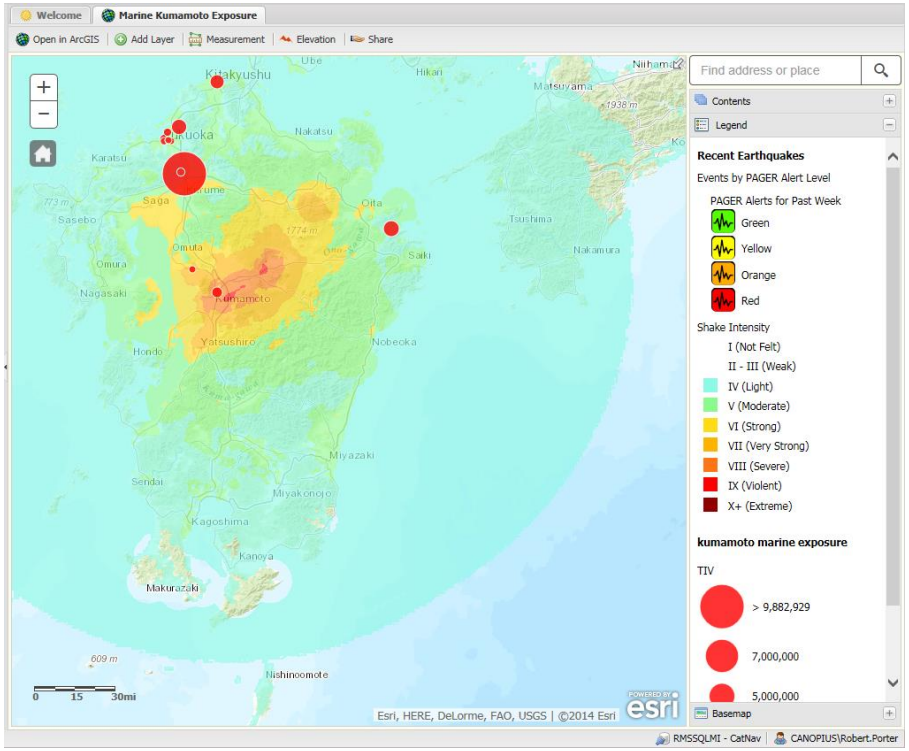
Post Event – Kyushu EQ

- Generated same day
- Sompo Canopius exposure
- Publicly available EQ data
- Gives underwriters and management immediate view of impact



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Summary

- Lloyd's syndicates underwrite varied risks
- Visualising risks offers benefits at different stages in underwriting process
- Sompo Canopius have developed a lightweight GIS application
- Has additional benefits of being:
  - Simple to manage
  - Cost effective to develop
  - Flexible
  - Extensible

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