

Supported by:

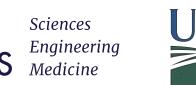
FLORIDA TECH.



Supports Research Funded by 6 NSF Directorates and 25+ Federal and State Agencies:











What is DesignSafe?

DesignSafe serves experimental, field, and simulation data and it provides computational resources – all of which reduce the impacts of natural hazards on the built environment and communities.

How much does it cost?

DesignSafe has already been funded by the National Science Foundation for your natural hazard research!

NSF Award 2022469

What if I'm not funded by NSF?

GEO

SBE

EDU

ENG

CISE

You can still publish on our repository if your work is related to natural hazards.

Can I Give Feedback?

Our success depends on it. Please reach out:

Craig Jansen, UX/UI Researcher & Designer Texas Advanced Computing Center cjansen@tacc.utexas.edu

Data Repository

1,800+ 2.4 PB Data Stored

25+

Federal and State Funding Agencies

90 Experimental Facilities

400+

20+ Fields of Science

Other: 9%

Wildfire: 3%

Hurricane: 29%

Landslide: 4%

Tornado: 5% —

Inland Flood: 9% —

50+ Million Files

2,000+ Dataset Authors

Developing a Variety of Data

850,000+ Unique Investigations 12,000+ Citations

1,000+ Research Grants

58,000+ Unique Requests

Earthquake: 46%

High Performance Computing

60 Million



50,000 Jobs/Year

Streamlined access to run your research on the fastest academic supercomputers in the world.



ADCIRC

Model coastal circulation and flooding.

Jupyter Notebooks

Interpret python code into intuitive graphs and visualizations with these highly customizable notebooks.



OpenSEES

Simulate the static and seismic response of structural and geotechnical systems.



OpenFOAM

Simulate and analyze fluid flow and heat transfer.



Ansys

Model how various hazards affect infrastructure.



Simulate large-deformation solid and fluid mechanics problems.

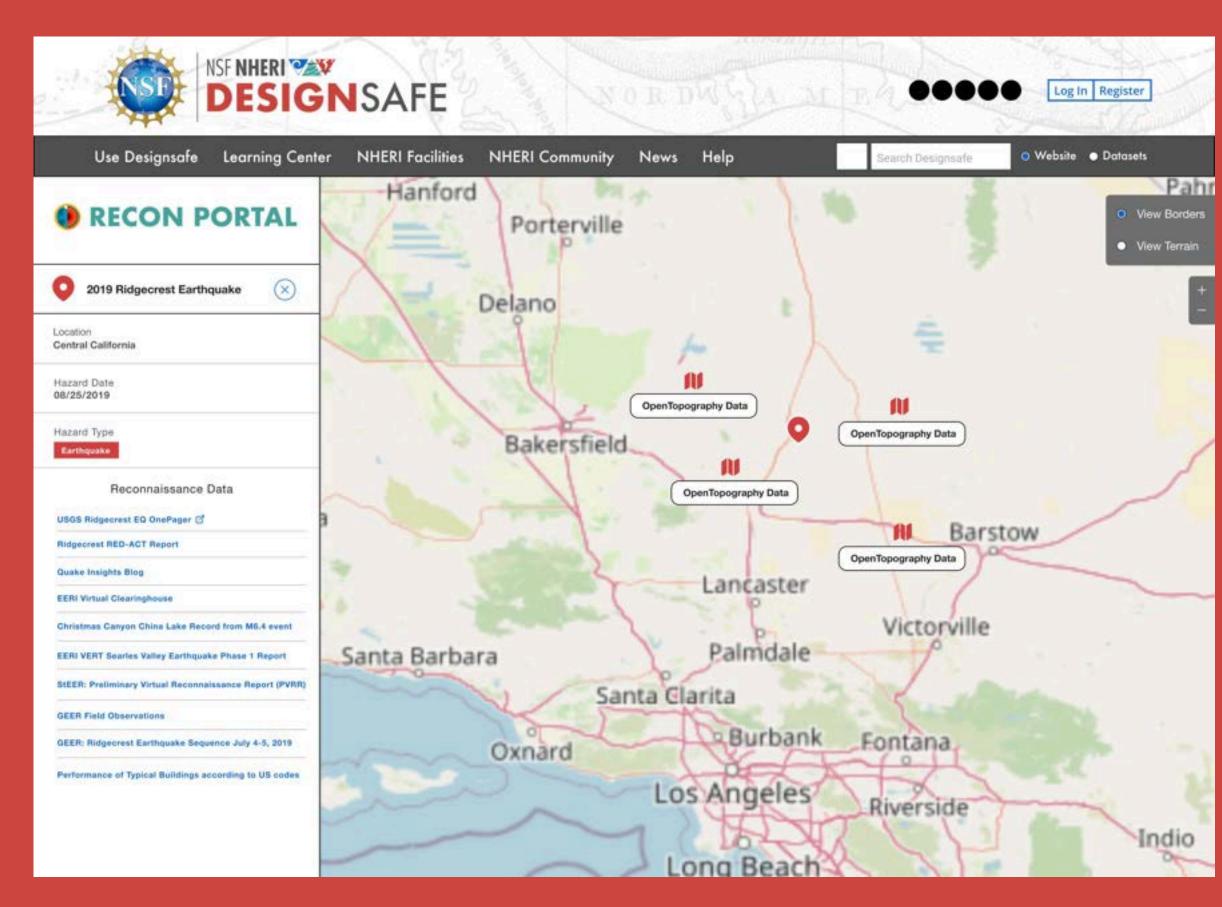
+ 21 other simulation, analysis, and GIS tools

You can also install your own apps!

Reconnaissance Tools

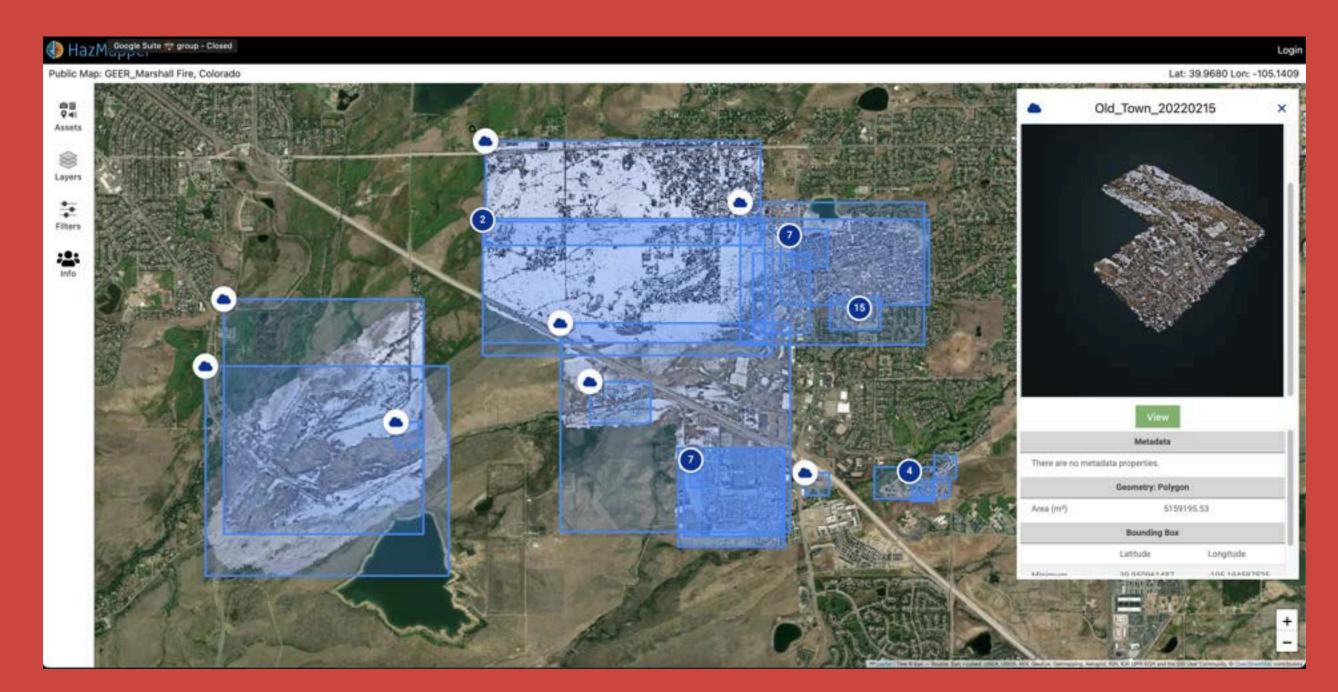
Recon Portal

Explore natural hazard datasets from DesignSafe, OpenTopography, and other sources.



Hazmapper

Create visualize, and analyze geospatial data in a variety of formats.





Data You Can Trust.

The DesignSafe Data Depot is a Trustworthy Data Repository of the CoreTrustSeal Standards and Certification Board.

Fewer than 5% of data repositories worldwide have been certified by CoreTrustSeal.