# VIZONOMY

**Product** Sheet

# Vizonomy Climate Risk Platform

Turn data into knowledge when assessing your community's resiliency against flooding and sea level rise. Create risk assessments with beautiful visualizations, powerful cloud-computing, real-time data, and dynamic mapping.

## Overview

The Vizonomy Climate Risk Platform™ puts US Government data in your hands. Instead of searching through multiple data sources that are often incomplete and difficult to access, you can develop in real-time a comprehensive hazard risk assessment for your community. The easy-to-use platform allows city officials to answer critical questions such as: What is the FEMA flood zone for a building? What is the 100YR flood loss for a coastal home? How many miles of roadway is exposed to a NOAA sea level rise scenario? And how many schools, hospitals, and other critical assets are at risk within my neighborhood?

Ultimately, Vizonomy is accelerating a city official's ability to learn and better understand their community's risk. Whether it's supporting a hazard mitigation plan to identify long-term strategies for risk reduction, increasing public awareness to build public infrastructure support, or assessing federal compliance against the new flood risk management standards for government buildings, the Vizonomy Climate Risk Platform provides a reliable and powerful solution for cities of all sizes.

## Features and Benefits

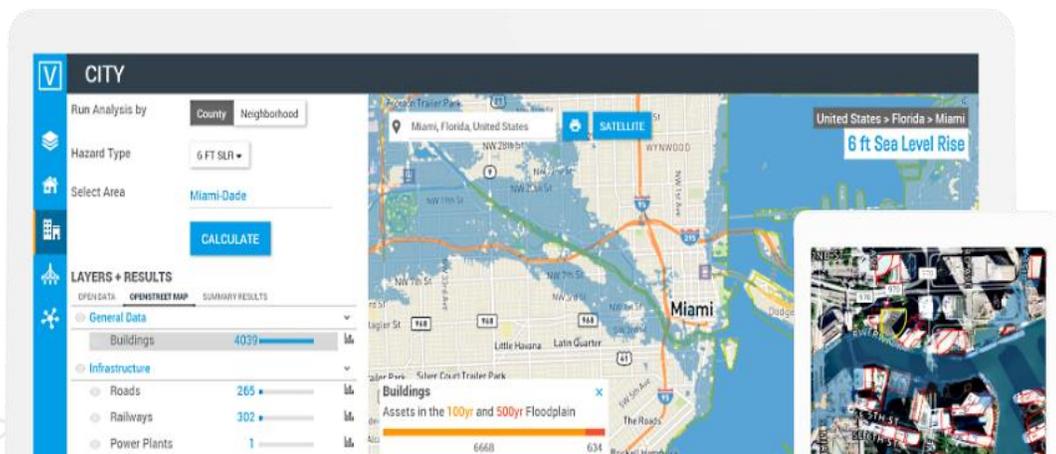**Interactive HAZUS Risk Assessments**
Built on research from FEMA's nationally standardized HAZUS software – used for estimating potential economic losses from floods –, the Vizonomy Climate Risk Platform takes it one step further with a cloud-based, interactive solution. More than 700 damage functions developed by the US Army Corps are hidden behind an easy-to-use analytics dashboard that enables the user to determine flood losses and exposure within minutes.
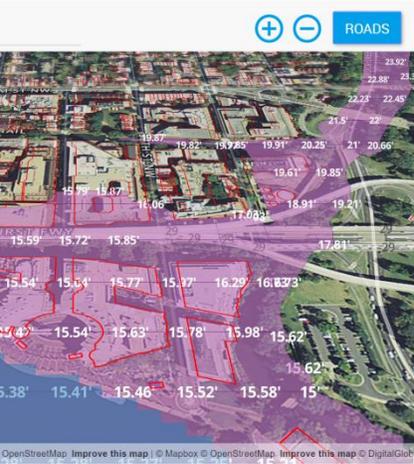
**Up-To-Date Infrastructure and Hazard Information**
Rest assured that your assessment contains the most up-to-date regulatory and non-regulatory floodplains, sea level rise scenarios, highways, hospitals, census data, and more. More than 70 data layers from federal, state, and local agencies are built within the Platform. Additional layers can easily be updated upon request.

**Shareable and Accessible Results**
Justify and build support for your mitigation action by exporting your results or sharing via social media.

⊕ ⊖ ROADS

23.92'
22.88'  23.3'
22.23'  22.45'
19.87'  21'  20.66'
19.82'  19.85'  20.25'
18.06'  19.91'  19.61'  19.85'
17.83'  18.91'  19.21'
15.79'  15.72'  15.85'
15.59'  15.72'  15.85'
17.81'
15.54'  15.54'  15.77'  16.29'  16.73'
15.63'  15.78'  15.98'  15.62'
15.38'  15.41'  15.46'  15.52'  15.58'  15'

OpenStreetMap  Improve this map | © Mapbox © OpenStreetMap  Improve this map © DigitalGlobe

## Modular Design

Choose among three modules for calculating potential economic losses flooding and sea level rise (SLR):

- **Building Module** – Visualize a property's proximity to a Special Flood Hazard Area or SLR scenario, and estimate direct economic losses from the 100YR floodplain. Improve coastal risk management by pinpointing a property's distance to the coastline and assessing storm surge flooding risk.

- **City Module** – Discern areas at risk based on business, economic, demographic, and geographic data. Powered by OpenStreetMap and Open Data, obtain deep data intelligence and complete situational awareness on which neighborhoods are at most risk.

- **Sector Module** – Dive deeper and evaluate which specific assets are at risk without on-site investigation. Obtain water surface elevation and flood zone attributes for each affected critical building, hospital, road across hazard scenarios.

## Flexibility and Speed

Bring all of your data and access it anywhere on-the-go. Develop customized risk assessment based on your knowledge, without the need for expensive software. Built on the latest open source, video game, and mapping technologies, rest assured that your assessment will compel action and public support.

## Dedicated Support

From climate risk to mitigation planning to data integration, you will have direct access to the expert Vizonomy team.

Whether you're talking about points, lines, and polygons or imagery from drones, airplanes, and satellites, our data specialists can help enrich your assessment with your own local data.

Our dedicated support for premium users includes access to local climate adaptation specialists who can help turn your community's results into a larger vision.

## About Vizonomy

Our goal is to change the way communities prepare for and react to natural hazards. Thoughtfulness, intentionality, and quality design define what we do. We come from both government and the engineering world to bring you the most relevant tools.

Our team is made up of 14 of the brightest and most dedicated software engineers, climate risk specialists, cartographers, and data scientists. We are based in Washington DC.



- Real-time Gov Data
- Open Street Map
- +70 Open Data Layers

- Cloud-based Infrastructure
- Mapping Engine

- USACE Damage Functions
- Loss Analysis

- FEMA Floodplains
- NOAA 1-6ft Sea Level Rise

- Beautiful Viz
- Intuitive Design
- Upload Data
- Export to PDF