

# Ventiv Geospatial

Geographic Information System (GIS)

The effects of global warming, potential weather hazards, social unrest, and other adverse events can impact properties, operations, and markets. Ventiv Geospatial allows for organizations to add the context of timing and location to traditional data, creating maps that show changes over time and determine where changes frequently occur. Representations like these can reveal historical shifts, as well as shifts underway today allowing for real-time and proactive risk management. Ventiv Geospatial uses maps to make it easier for the eye to recognize patterns that were previously buried in spreadsheets such as distance, proximity, contiguity, affiliation, frequency, severity, and monetary impacts on prior events to better prepare for possible future events and make complex data understandable.

## Ventiv Geospatial analysis can answer questions such as:

- » What impact could a hurricane have on my properties in its current path?
- » How will rising sea levels & land temperatures affect my properties in low lying coastal areas?
- » What areas are most prone to civil unrest that could impact my retail properties?
- » Can I simulate a past natural disaster to identify low-risk areas to build my next nursing home?

## WHY VENTIV GEOSPATIAL?

### Delivers Advanced Warnings for Better Risk Outcomes

- Provides real-time insights and alerts in the context of an easy-to-understand visual maps **triangulated with property values, current or historical claims and developing real-time weather events** allowing clients to prepare and mitigate impacts, and in some cases prevent material or human capital losses.

### Delivers for Better Risk Making Decisions

- Seeing location-based data helps organizations understand why **some locations are more risk-prone** than others i.e., flood plains, high crime rate zones, tidal impacts, civil unrest etc.

### Delivers Improved Risk Management Outcomes

- Geospatial allows for relationships and connections to be understood by factoring in the **“what”, “where” or “when”**.
- Organizations can use the geospatial precision to **improve risk management programs on recurring events**.

# GEOSPATIAL BY THE NUMBERS 2021



## Wildfires

- ▶ **Acres burned: -7.1M**  
(the size is equal to all the national parks in Idaho being on fire- Idaho is 54M acres)
- ▶ **Total fires:- 58.7k**  
(5th most in the past 22 years, and on average around 160 fires everyday)



## Tornadoes

- ▶ **Total Tornadoes: -1,376**  
(annual national average is 1,251)
- ▶ **Torornado Damage: -\$7.7B | 103 Deaths**  
(damages are equal to the combined GDP's of the 4 largest US States)
- ▶ **14 Days in March: -151 Tornadoes**
  - 3/13- 27 (Texas)
  - 3/17- 56 (6 southern states)
  - 3/25- 41 (4 southern states)
  - 3/27- 27 (3 s/states & Illinois)



## Rising Temperatures

- ▶ 2021 was the worlds **6th warmest year** on record
- ▶ **45th consecutive year** of rising land and sea temperatures



## Civil Unrest

- ▶ **Portland: -\$23M**  
1,500 buildings burnt down  
10,000 people left homeless
- ▶ **Minneapolis: -\$350M**  
1,300 buildings burnt down



## Tropical Storms

- ▶ **Globally: -94 Tropical Cyclones / 37** made hurricane status (ties 1994 / 10th most since 1981)
- ▶ **United States: -Hurricanes**
  - 6 reached category 5
  - 21 in the Atlantic
  - x4 \$B events
  - IDA- \$75B (5th largest disaster)



## Rising Tides

- ▶ Average sea levels have **risen by 8 inches since 1880**
- ▶ **3 inches gained** in the last 30 years (prior 121 years it rose by 5 inches)

## WHO SHOULD USE VENTIV GEOSPATIAL?

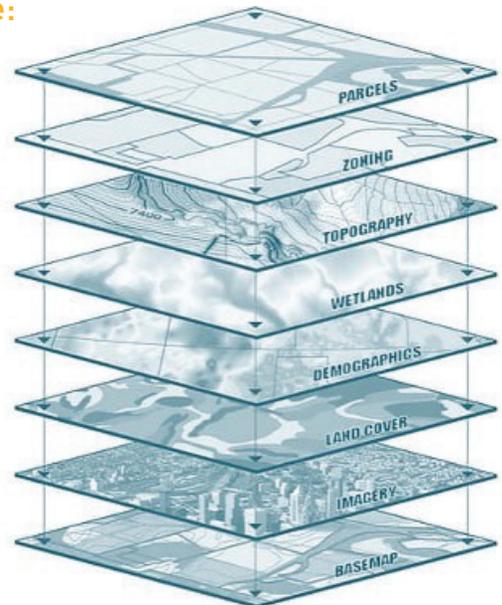
Ventiv Geospatial is the ideal solution for companies, governments, and organizations that need an overview of complex data to solve real world problems and plan ahead for the future. Governments can use Ventiv Geospatial's analytics data to see the future financial and human cost of natural disasters and social unrest. Retail, manufacturing, and transportation companies can use Ventiv Geospatial's data layers to compare their vehicles' telemetric data (such as Internet of Things data) with insurance claims data to plot out safer routes and make better decisions that affect their bottom line. Agricultural and medical sectors can use Ventiv Geospatial's historical and predictive modeling to prepare for disasters ahead of time. Real estate and insurance companies can use Ventiv Geospatial's global warming data analytics to measure the cost of disaster and assess future risk. Ventiv Geospatial helps answer risk decisions to make for better risk outcomes.

## GEOSPATIAL LAYERS

Geospatial allows you to overlay layers upon layers of information and examine the ways in which the data sets relate to one another.

### Examples Include:

- Claims
- Property values
- Earthquakes
- Hurricanes
- Tornadoes
- Wildfires
- Flood zones
- Civil unrest, etc.



**CONTACT US:**  
1.866.452.2787  
ventivtech.com