

# Disaster News You Can Use

February 2023



2023 has already been an eventful year. As we look ahead to spring, we're focusing on assisting our clients prepare for what the rest of the year has in store and continue their recovery from existing disasters. We're looking forward to upcoming conferences, webinars, and additional opportunities to connect with other professionals in our industry.

[Click Here to Learn About Flooding Preparedness, Response, Recovery, & Mitigation Services](#)

## What's Inside:

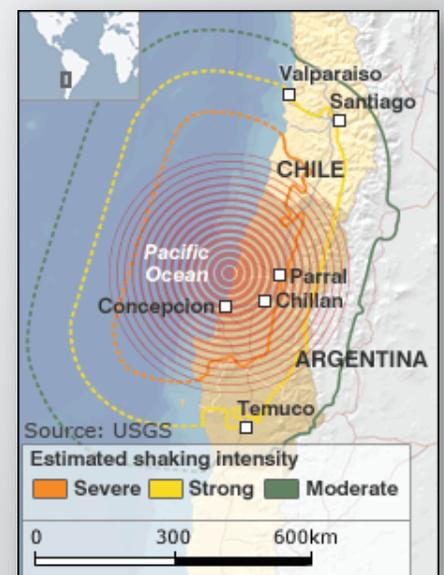
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## THIS MONTH IN HISTORY

### February 2010 Chilean 8.8 Earthquake

The magnitude 8.8 earthquake struck off the south-central coast of Chile at 3:34 am on February 27, 2010. The event caused a tsunami and was followed by hundreds of aftershocks over several weeks with a magnitude 5.0 or higher. Of these, 13 aftershocks were 7.0 or greater. This is also the region of the 9.5 magnitude event in 1960, which is the most powerful earthquake ever recorded (USGS, 2010).

Two of Chile's largest cities were at the epicenter of the earthquake. Over 2 million people were directly affected and more than 800 died. Chile's Ministry of Housing and Urban Development made substantial improvements to building codes after the 1960 earthquake and again during the 1990s. Despite this, over 370,000 residential housing units were damaged, of which over 81,000 houses were considered a total loss and over 108,000 houses were heavily damaged (Bray et al, 2010). In addition, vital infrastructure was severely damaged and residents were left for weeks without service and with only limited availability to vital necessities, such as food and gasoline.





## Earthquakes Struck the Heart of the World's Largest Refugee Population. Here's How to Help



[READ THE FULL ARTICLE](#)

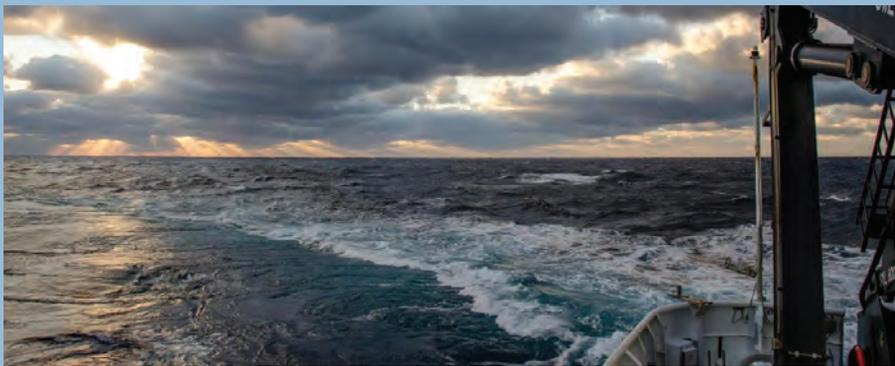
Syrian civilians and members of the White Helmets work to save people trapped beneath a destroyed building following a magnitude 7.8 earthquake that hit Syria, on Feb. 6 2023.

## FEMA Announces All COVID-19 Disaster Declaration Incident Periods Will Close May 11

FEMA will publish a Federal Register Notice providing a 90-day advance notice to government partners and stakeholders that eligibility of work and reimbursable costs will end on May 11.

Throughout the COVID-19 pandemic, FEMA has provided more than \$104 billion in assistance to state, local, tribal, and territorial governments, as well as non-profits and survivors. Of those funds, almost \$60 billion in funding went to state, local, tribal and territorial governments and eligible private non-profits for more than 23,000 emergency projects. Another \$2.9 billion was awarded in funeral assistance for more than 400,000 individuals and families, \$37 billion in lost wages assistance, and \$386 million in crisis counseling services.

## The Gulf of Mexico Is Getting Warmer



New Study Quantifies 50-Year Warming Trend [READ THE ARTICLE](#)

## Tornadoes ravage the South in month of extremes [READ THE ARTICLE](#)

January 2023 will be remembered more for its tornadoes and severe weather than for more traditional winter weather like snow and ice for everyone east of the Rockies. January is not typically a severe weather month, but this year was a big one.



This image taken with a drone shows tornado damage, Friday, January 13, 2023, in Selma, Alabama

## Ohio crews conduct a 'controlled release' of toxic chemicals from derailed train cars



A black plume rises over East Palestine, Ohio, as a result of the controlled detonation of a portion of the derailed Norfolk and Southern trains.

[READ THE ARTICLE](#)



# INDUSTRY POLICIES & RESEARCH

## New Industry Policies

- Agreement between NOAA, ASCE Prepares for Climate-Ready Infrastructure
- FEMA Provides Update on First Year of Strategic Plan
- GAO Release Report on Emergency Relief Funding Fraud
- FEMA Releases New Tools for State Mitigation Planning
- Planning the Mitigation Consultation: Resources for States, DC and Territories consultation toolkit

## Noteworthy Research

- Following the Path to Policy Change: Oregon 2020 Wildfires as a Focusing Event
- The Use of Disaster Information and Communication Technology Among At-Risk Populations in U.S. Virgin Islands
- Multi-Hazard Planning for Access and Functional Needs in the U.S. Territories and Hawaii
- Survey of Evacuation Behavior in the 2021 Marshall Fire, Colorado

## Other Industry News

- USNews: Most Disaster Giving Goes to Relief Efforts, Not Rebuilding
- Science Alert: Wildfire Destruction in The Western US Has Doubled in Just 10 Years
- Route Fifty: 2022's Billion-Dollar Disasters: Climate Change Helped Make It US's 3rd Most Expensive Year on Record
- Study uncovers underground flood risk in Bay Area due to storms, climate change - ABC7 San Francisco (abc7news.com)



## Upcoming Events

### Resilient World Webinars:



February 23rd: [\*Streamline Community Damage Assessments for Flooding Events\*](#)

If you weren't able to attend, please email [inquiry@i-s-consulting.com](mailto:inquiry@i-s-consulting.com) for the replay

March 16th: [\*Expedite Disaster Assistance Funds After Tornadoes\*](#)

April 20th: [\*Public Health Preparedness Planning and Assessment\*](#)

### Industry Conferences:

- Feb. 27- March 1, 2023 WEM: Wisconsin Emergency Management 55th Annual Governor's Conference on Emergency Management & Homeland Security
- March 26-30, 2023 NEMA: National Emergency Management Association Mid-Year Forum in Alexandria, VA
- April 3-6, 2023 National Hurricane Conference in New Orleans, LA



# INDUSTRY BEST PRACTICES

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## Our Ever Growing and Emerging Threats

When I first joined Integrated Solutions Consulting (ISC) in 2008, one of the core tenets of the company was merging the academic and practice of emergency management. Fundamental to this effort was investing the time and intellectual resources necessary to truly understand community risk. A lot has changed since 2008. Human societies have always been faced with risks and hazards. Earthquakes, massive floods, pandemics, threats to take multiple hostages or massacre large numbers of persons, wildfires and tsunamis have marked human history since the beginning of time.

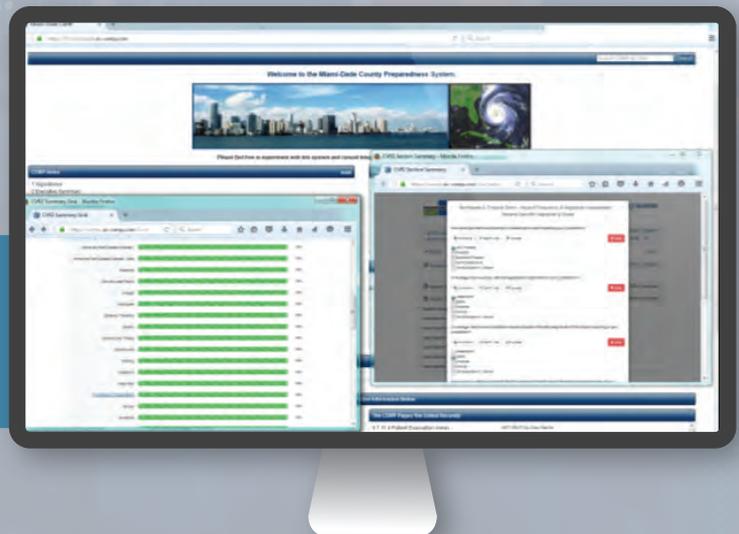
The literature on crisis and disaster research suggests that we are at another important historical juncture with the emergence of a new distinctive class of disasters and crises not seen before. While we celebrate human evolution, incredible technological advancements, and an increasingly globalized and interconnected globe, with all the good comes new risks and threats. Financial and economic collapses, growing inequity within our communities, globalization and global dependencies, supply-chain disruptions, technological advances and their potential for weaponization (Artificial Intelligence, Unmanned Vehicles, Cyber, Space, etc.), and susceptibilities to our critical infrastructure are just a few emerging and growing concerns.

Are we ready? Or are we operating and managing risks and our threats based on the old paradigm?

[READ THE FULL ARTICLE](#)

## Automating Community Vulnerability, Risk, and Resiliency

The Community, Vulnerability, Risk & Resiliency (CVR2) Model serves as a dynamic planning tool that utilizes proven hazard analysis strategies and processes to build partner consensus, ensure uniformity, and provide results that are operationally significant. CVR2 operates by utilizing several input parameters consisting of hazard profiles, economic, social, and physical community vulnerabilities and other special community concerns.



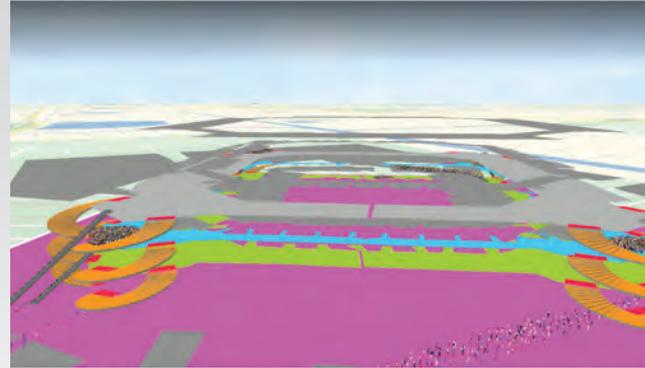
Learn more about  
ISC's evidence-based  
methodologies



## Evacuation Modeling—Critical Tool for Communities

Evacuation orders are a common instrument for Emergency Managers to move individuals away from impending hazard threats. An evacuation order is no easy task. Planning, training, and exercising the processes and procedures of a mass evacuation is critically important.

[Click Here to Download the Complete Evacuation Brochure](#)



Simulated Evacuation Model



[Click Here to See all the exciting features of the GMT](#)

## Grant Management Tool

The Odyssey™ | GMT provides users with a ready-to-use or customized disaster grant management system that allows your organization to track, administer, and report grant funding. From federal disaster assistance programs to public health, Odyssey™ GMT provides transparency and compliance.

## Public Health Program Compliance

Odyssey™|CPM provides program analysts and directors with the ability to systematically evaluate the compliance of your program to various mandated, grant-driven requirements and industry standards.

[Click Here to See all the Innovative Features of the CPM](#)





# INNOVATIVE SOLUTIONS

## System Performance

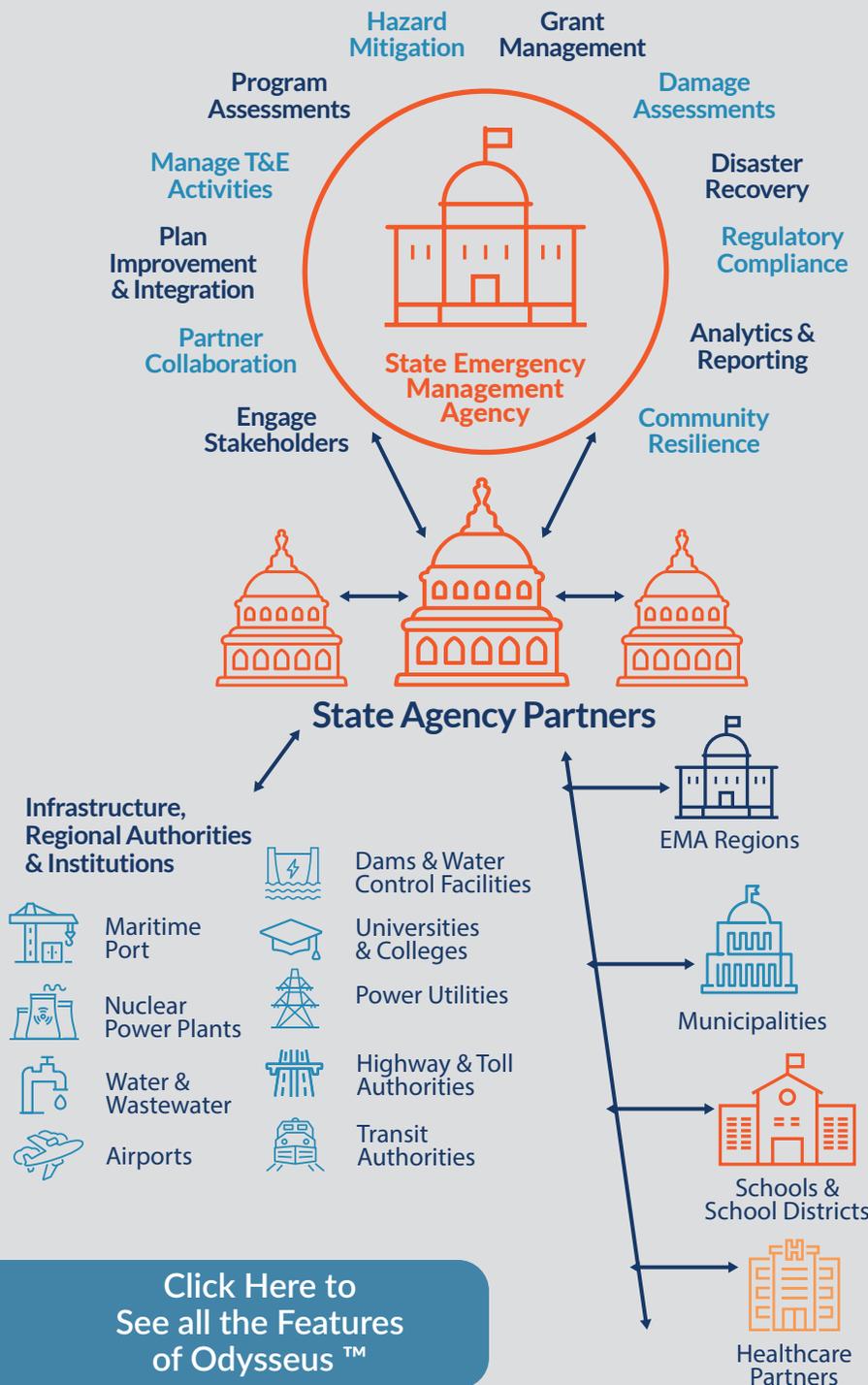
- 62% Increase in Program Efficiency
- 300x Stakeholder Collaboration
- 99.9% Regulatory & Program Compliance
- Flexible Customization & Integration
- 54x Return on Investment
- 97.1% Performance Rating

## Program Management Solution for Emergency Management Agencies

Although they provide much needed resources and capabilities during the time of a crisis or disaster, an emergency management agency's (EMA) operational focus extends far beyond the response phase of an incident. The reality is that the success of a state EMA's response operation is intimately related to its ability to systematically track, guide, direct, monitor, manage, and administer all aspects of a comprehensive emergency management program across all state agency, county and municipal government partners, regional authorities, and other stakeholders.

Although the value is unmeasurable, many states think that coordinating a statewide comprehensive emergency management program would be a formidable task that would require significant resources. That's not true anymore.

Odysseus™ offers state emergency management agencies a software solution for managing a unified statewide comprehensive emergency management program. Odysseus'™ "system-of-systems" architecture gives state EMA's a force multiplier to manage EMA program requirements statewide.



Click Here to See all the Features of Odysseus™





# INTEGRATED SOLUTIONS CONSULTING

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ENGAGEMENTS

Integrated Solutions Consulting (ISC) is a crisis and consequence management consultant firm that uses datadriven research, sophisticated crisis modeling, and seasoned consultants to help our clients manage the unexpected. We provide a path to resiliency, improving clients' abilities to maintain continuity of service and restore vital functions before, during, and after emergencies. But we don't just help our clients get their communities back to where they were -we make them better.



**We've helped thousands of clients  
navigate responding to disasters  
and managing their disaster  
recovery funds. Our FEMA recovery  
experts are available to discuss your  
road to recovery.**

**ISC RECOVERY HOTLINE Or Call: 312.600.3995**

Contact **ISC** today to learn more.



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