RISE

Resilience Innovations

INNOVATION IN ACTION:

RESHAPING RESILIENCE FOR FLOOD-PRONE COMMUNITIES

OUR MODEL:

Meet the community

Source the needs

Provide Real World Testing

Provide Funding

Grow the business

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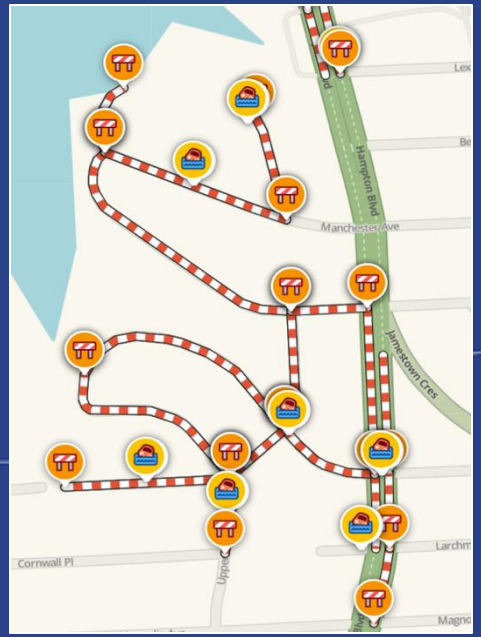
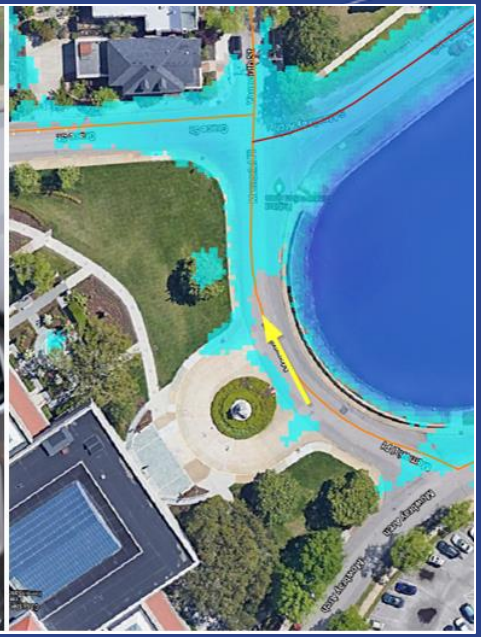
RISERESILIENCE.ORG

FloodMapp





Floodmapp received a 5-year sole-source contract with the City of Norfolk

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BY THE NUMBERS:

180+
Jobs created or retained

45+
Novel solutions piloted

$9M+
In catalytic funding and support to small businesses

425+
Trained in climate resiliency related industries

400+
Submissions from 30 countries

13
Innovation Challenges

$50M+
Raised by RISE-funded businesses

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Buchanan County, Virginia:

"All of this happens too slowly. All of it," [Governor Youngkin] said…..

Between the flood in Hurley and a similar flash flood this July in Whitewood, just 30 miles away, it became clear that the state didn't have the infrastructure in place to respond quickly to such a disaster, he said.

He believes that the program that has been created over the past several months – what he called a "mini-FEMA" – will mean the process will be much faster the next time it's needed. "This is not a capability that has existed" in the state, he said.

Cardinal News, October 26, 2022

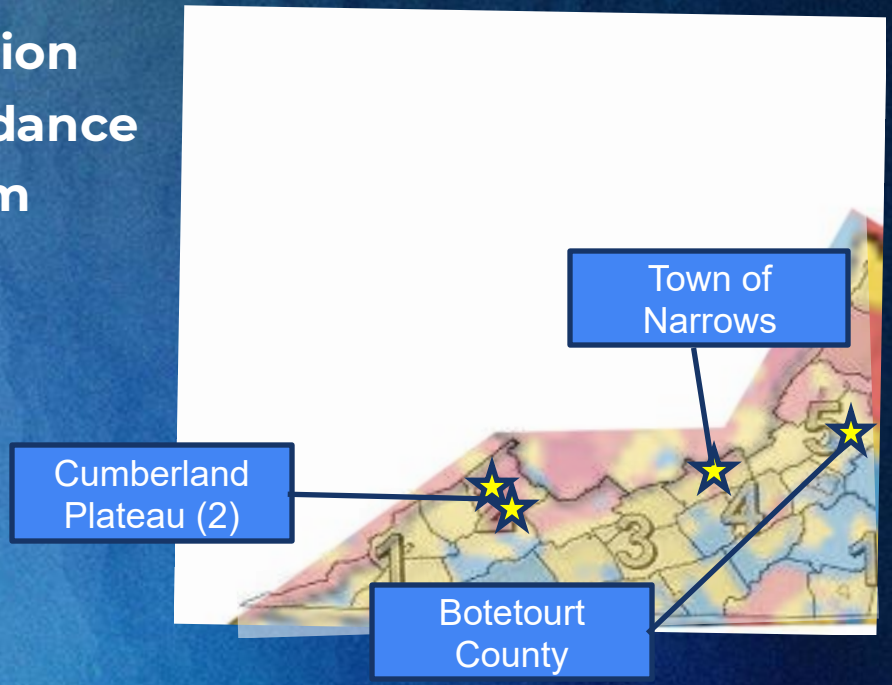
Riverine Challenge I (2024):

Topics:

- Landscape & Building Adaptation
- Flood Early Warning and Avoidance
- Community Insurance Program

Status:

- 4 pilot programs:
  - 2 early warning systems
  - 2 insurance programs
- Pilots run 7/24 – 12/25



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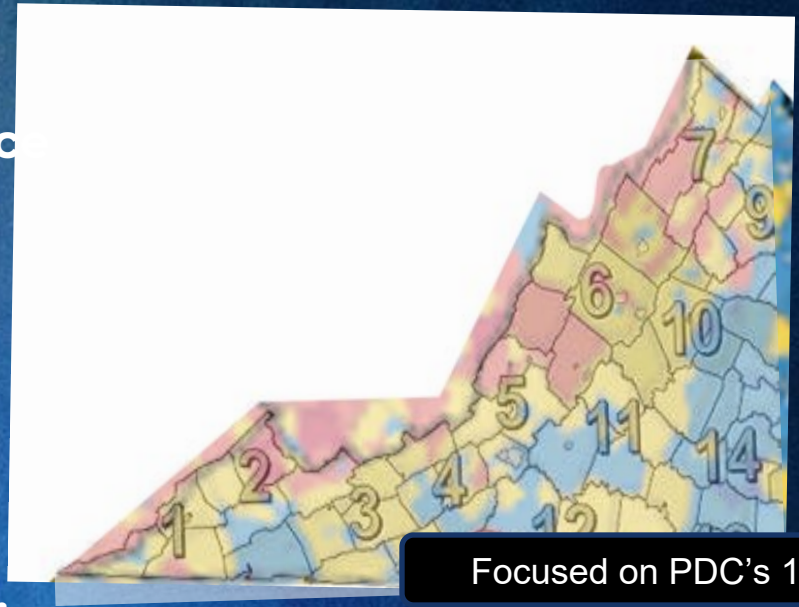
Riverine Challenge II (2025):

Topics:

- Landscape & Building Adaptation
- Flood Early Warning and Avoidanc
- Community Insurance Program
- Integration of Flood Products
- Business Recovery Programs



Focused on PDC's 1-7

Status:

- 4 pilot programs:
  - 2 expanded early warning systems
  - 1 insurance program
  - 1 emergency in-field disaster mapping
- Pilot programs 7/25 – 12/26

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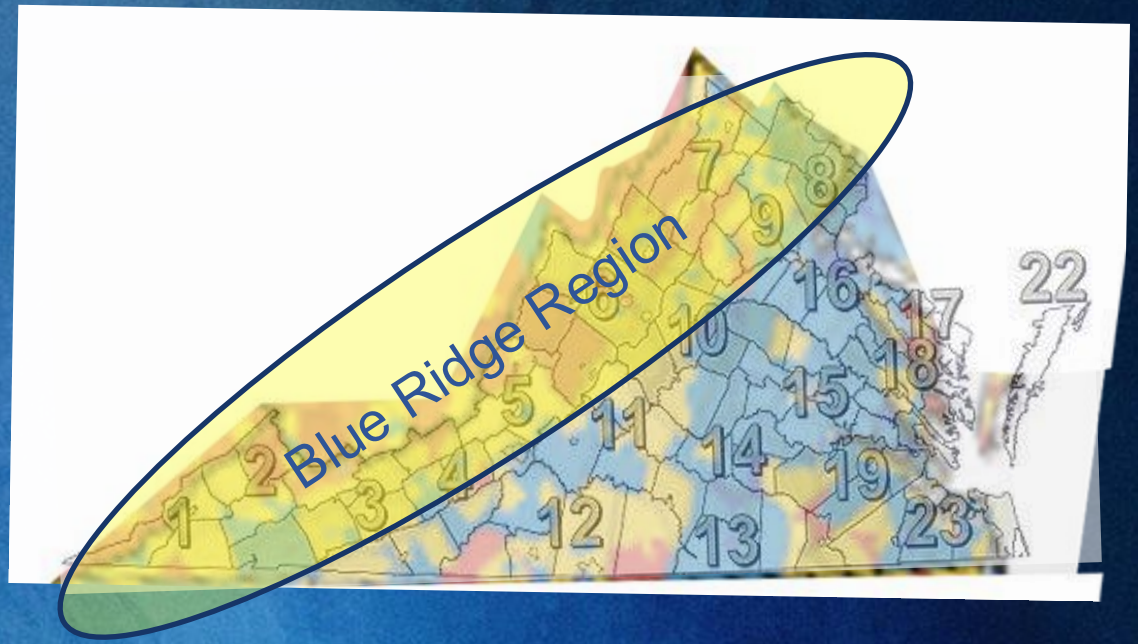
Blue Ridge Regional Challenge:

Integrated flood protection coverage throughout Virginia's Blue Ridge Region

Establish Virginia as the Center of Excellence in Riverine Flooding Protection



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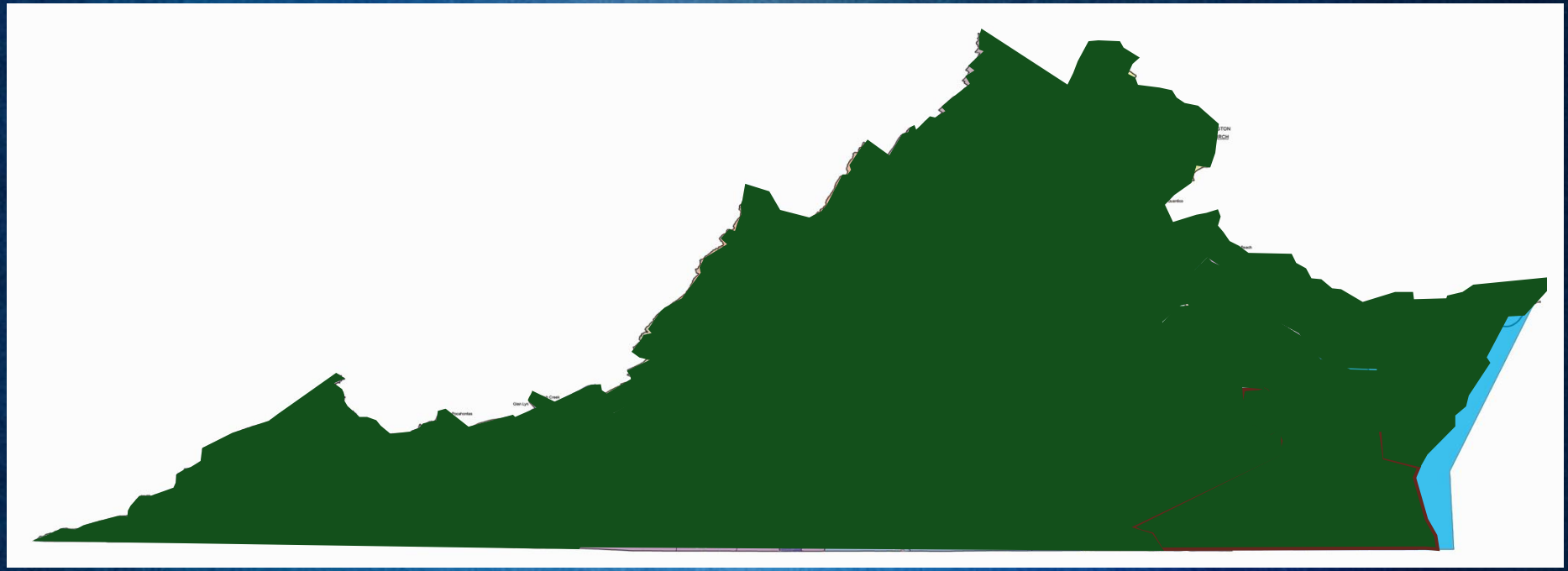
RISE's Regional Coverage:



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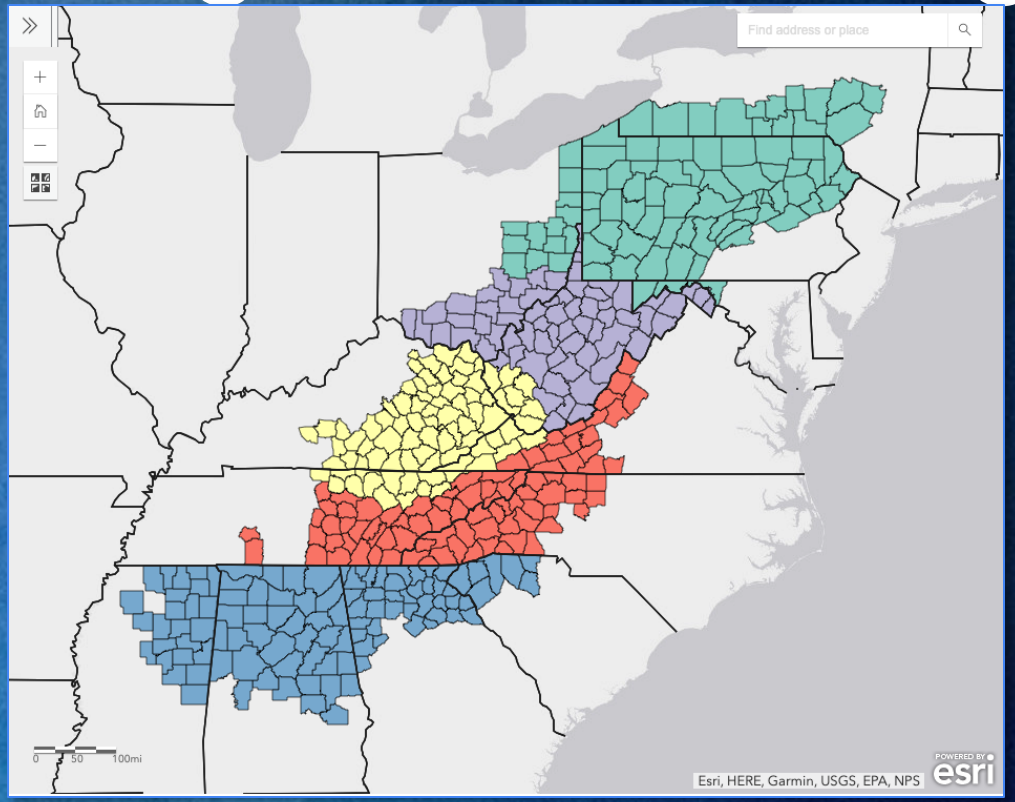
RISE's Future Regional Coverage:

Establish Virginia as the Center of Excellence in Riverine Flood Resilience



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Floodbase/Raincoat

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Raincoat FLOODBASE

A Faster, Fairer Path to Flood Disaster Recovery in Virginia

RISE
Resilience Innovations

VAGHC

November 20th, 2025

Agenda

01. **Raincoat** — Who we are and what we do

02. Floodbase — Who we are and what we do

03. **FloodSafe Virginia**
Community Insurance for Virginia

Speakers

Alexa Lopez
Floodbase

Alexa is a climate scientist who works in data visualization and client success at Floodbase. With a background in remote sensing, she has worked with NASA and the Texas Commission on Environmental Quality to address climate issues for small communities.

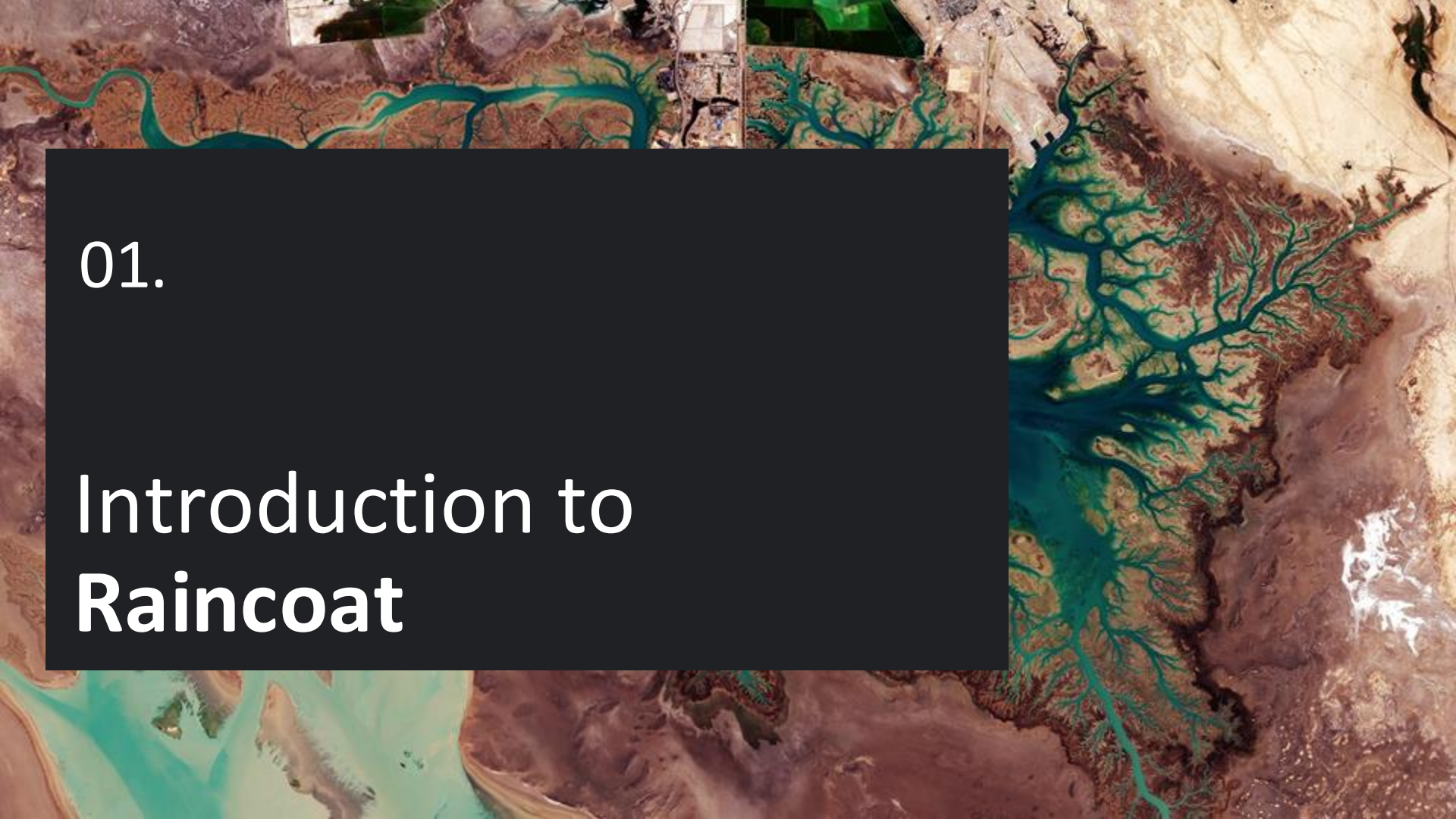
In her role at Floodbase she has helped with creating monitoring programs in Africa, Western Asia, North and South America. These programs have provided underserved communities with direct access to capital which helps in rebuilding after a natural disaster.

Speakers

Jonathan Gonzalez
Raincoat

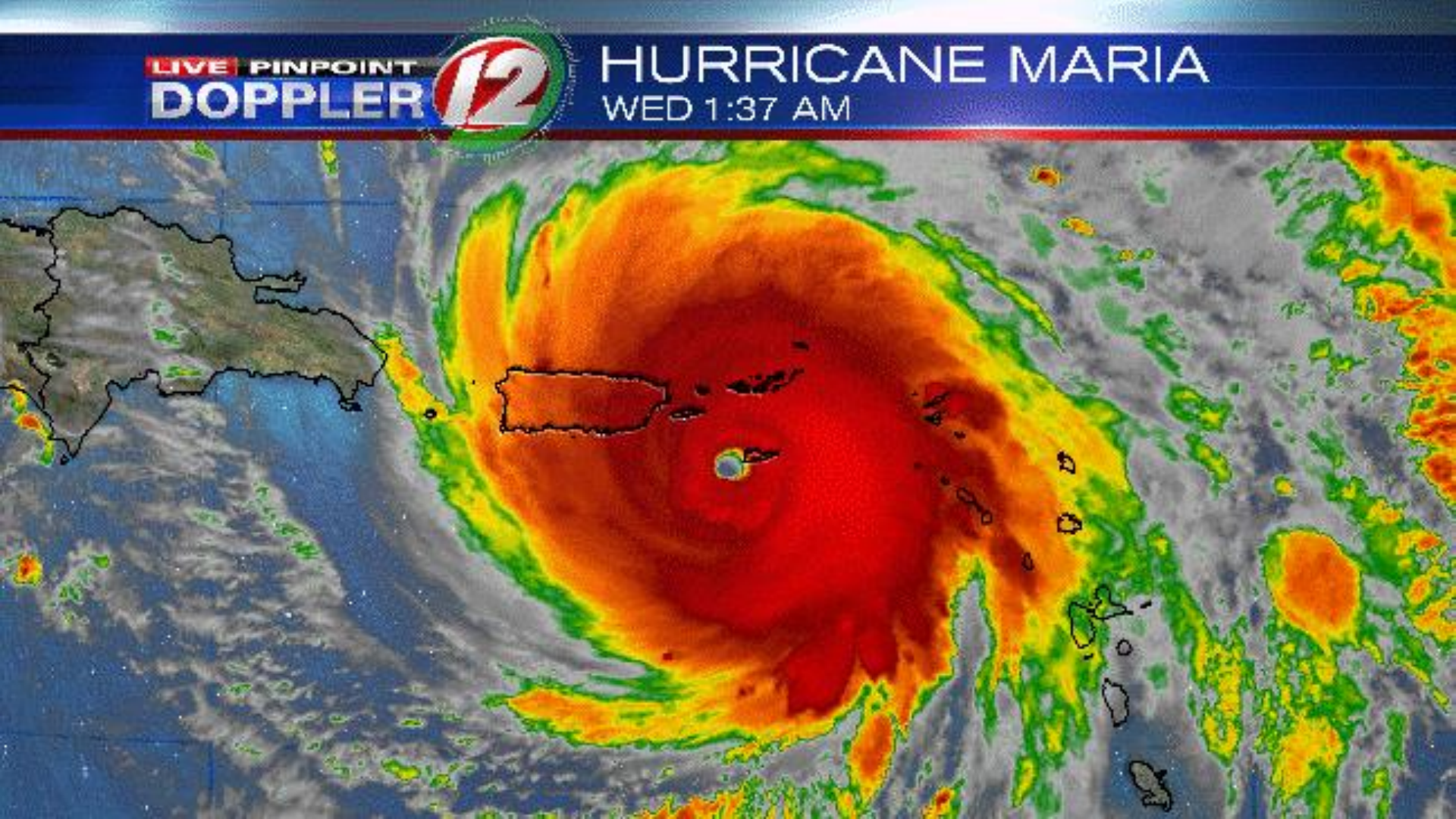
Jonathan is an entrepreneur and computer engineer with a deep passion for technology and its applications in improving people's lives. Motivated by his experiences following the devastating impact of Hurricane Maria in Puerto Rico in 2017, Jonathan co-founded Raincoat, a venture-backed insurtech dedicated to the development of fully automated climate insurance solutions and the technology that powers them.

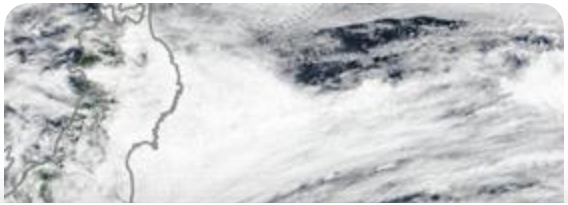
Raincoat collaborates with insurers, financial institutions, non-profits, and governments to implement solutions that protect communities and individuals from the financial impacts of natural disasters.

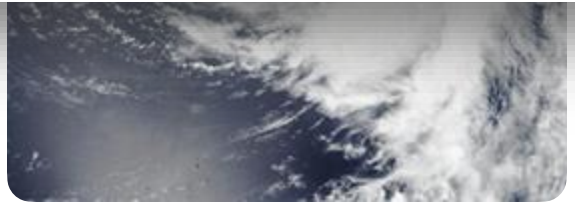


01.

Introduction to **Raincoat**


LIVE PINPOINT
DOPPLER 12
HURRICANE MARIA
WED 1:37 AM





FORTUNE

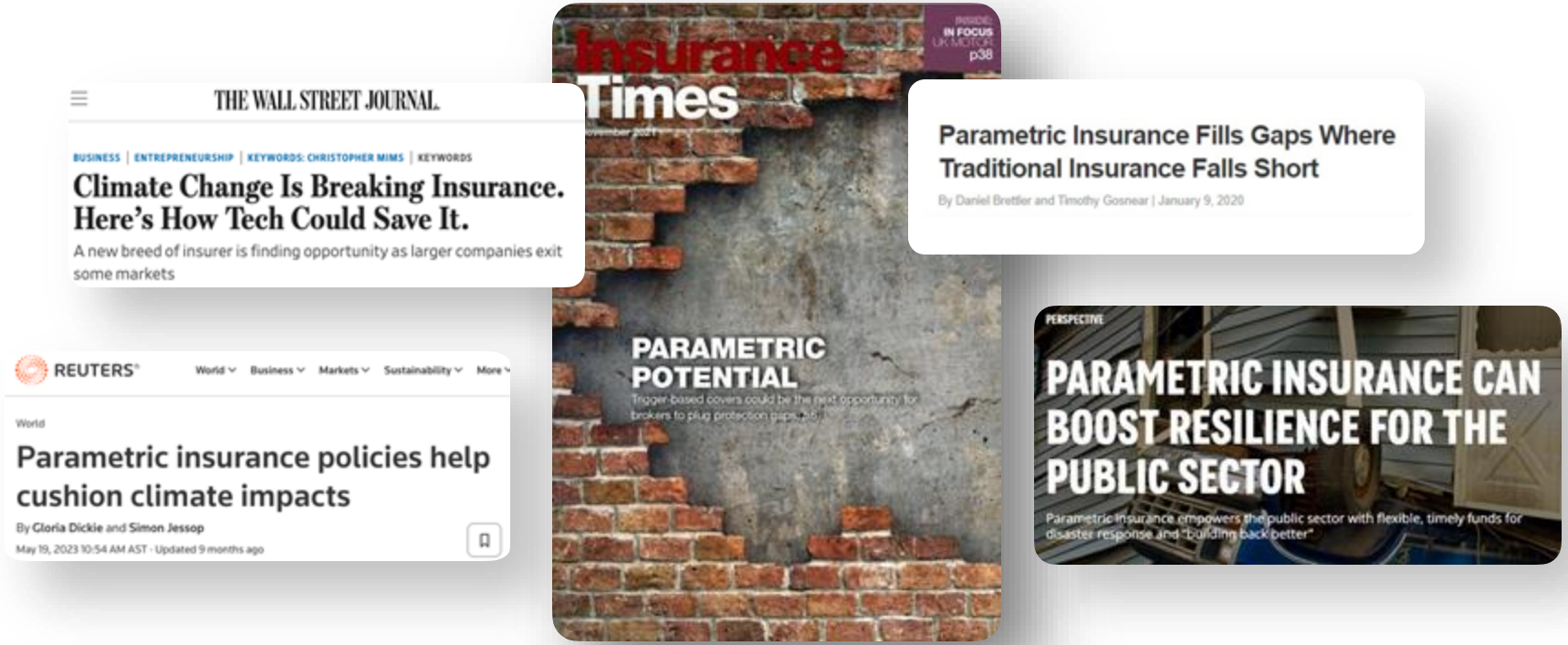
FINANCE • IN DEPTH

‘Almost everyone is getting screwed’: After climate disasters, people find their battle with insurers is just beginning

BY ERIKA FRY

August 9, 2021 7:00 AM GMT-4

Raincoat



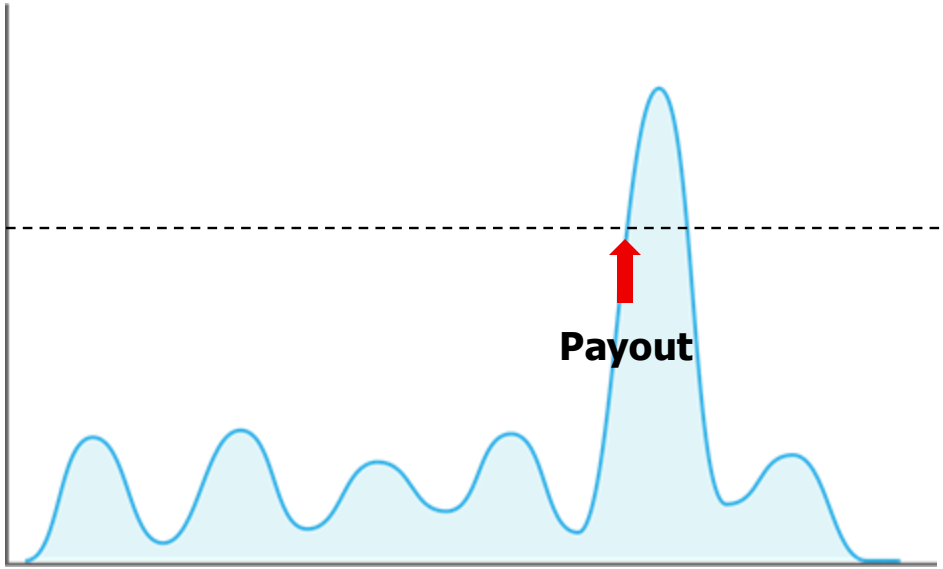
Raincoat

How parametric insurance works

A measurable number is chosen — like rainfall, wind speed, or flood level.

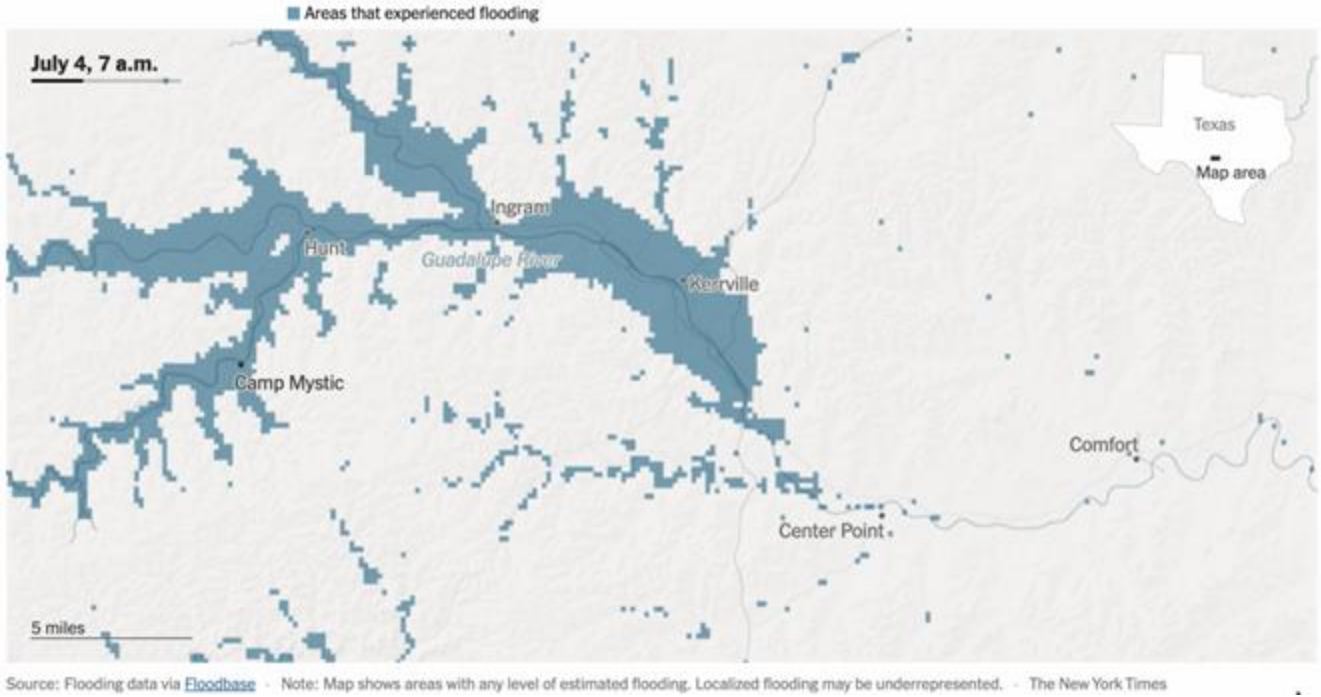
If that number reaches the agreed level, a payout is sent automatically.

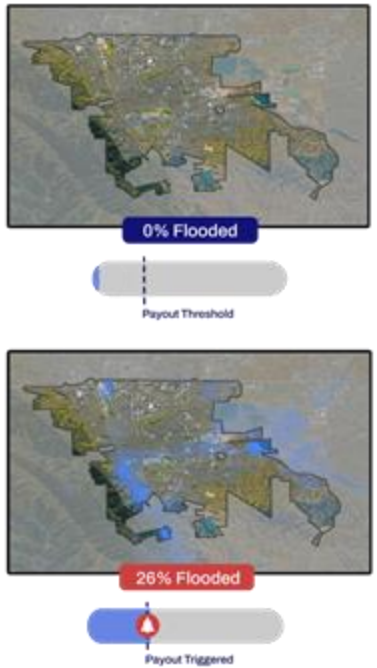
No claims process. No hassle.



Raincoat

Powered by **Floodbase**

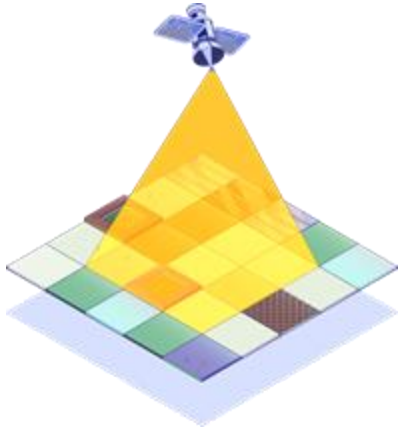




Raincoat

The challenges of developing parametric solutions at scale

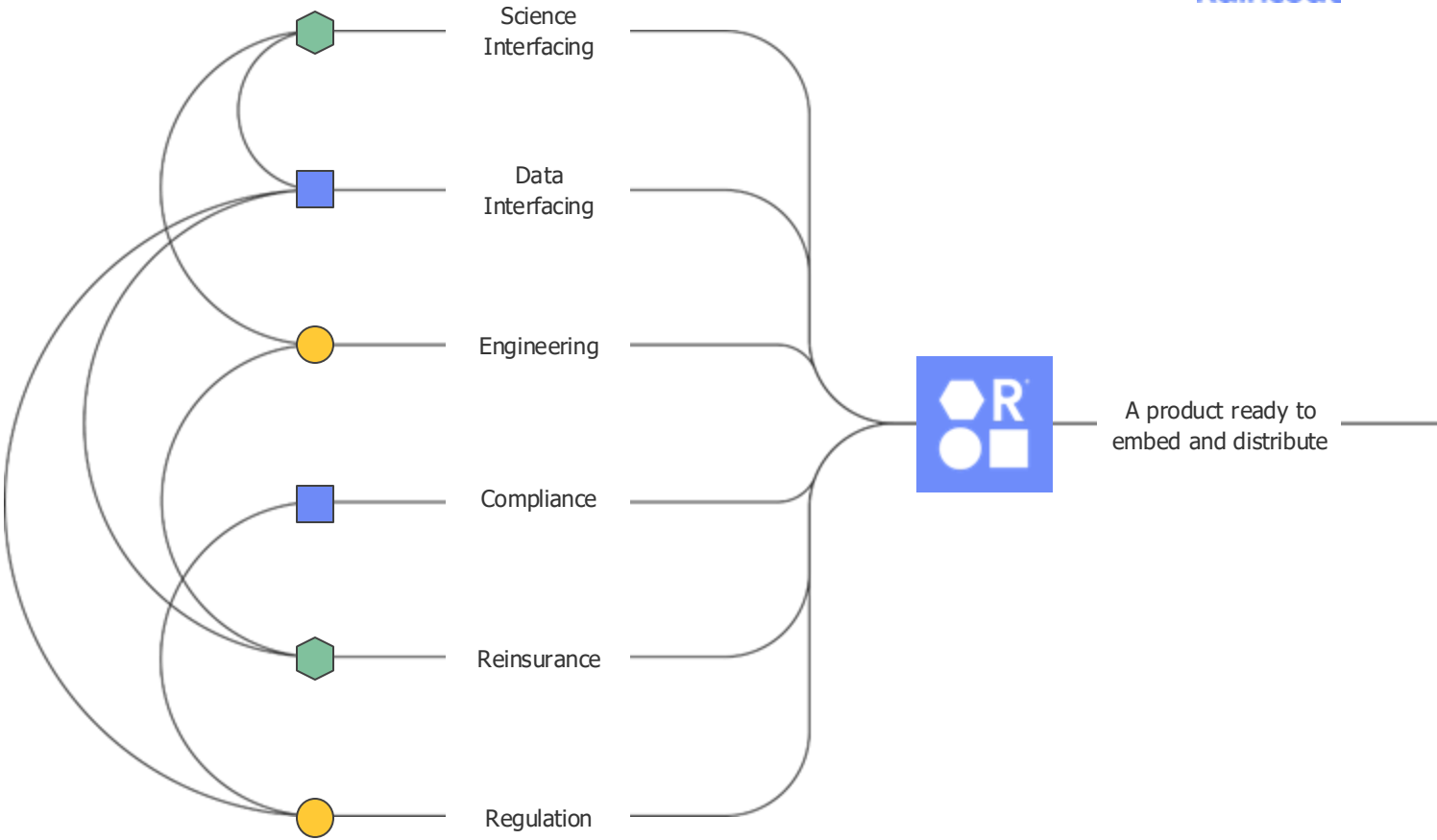
Difficulties in developing practical products that are sustainable.



Complicated data integrations that are difficult to maintain and develop.

IT and software problems at the time of deploying and scaling the product.

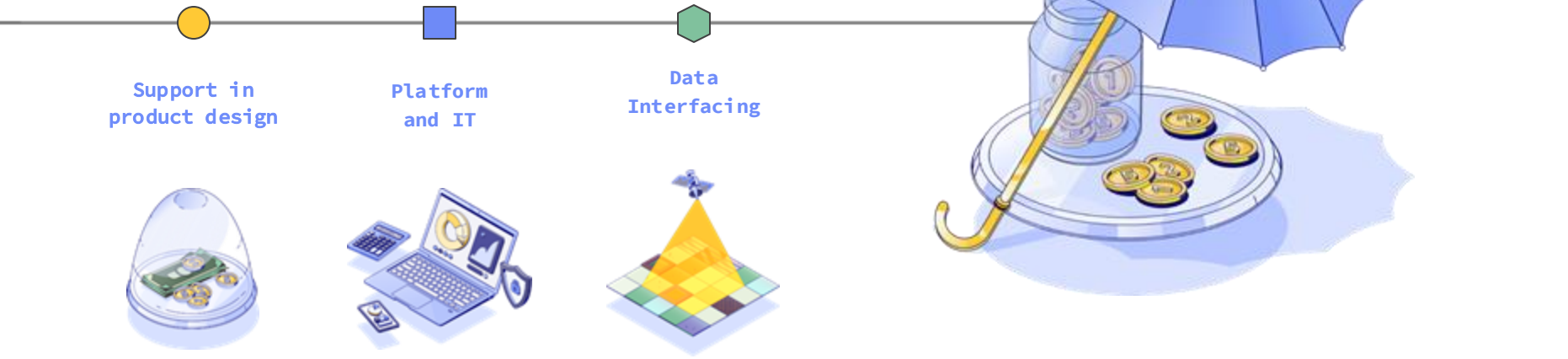
Filtering the chaos.



Raincoat

We focus on the technical rails, so you can focus on what you do best.

Raincoat partners to develop highly-scalable climate insurance solutions and the automated infrastructure that powers them.



Support in product design

Platform and IT

Data Interfacing

Raincoat

Global reach, local impact

Our mission is to deliver the best-in-class climate insurance solutions so communities can better withstand and recover from catastrophic events.

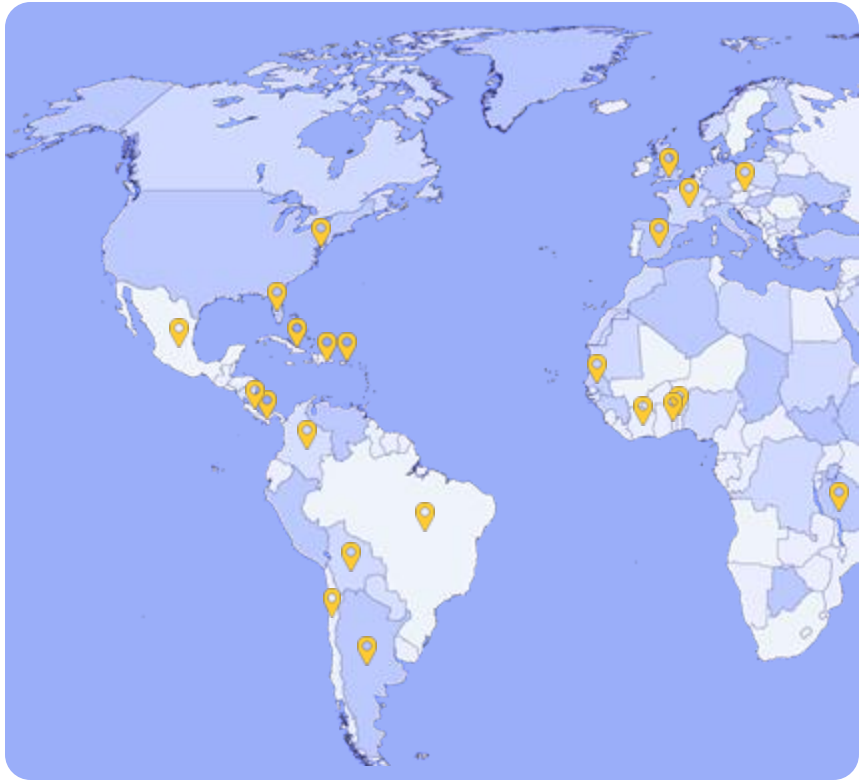
Winners of:

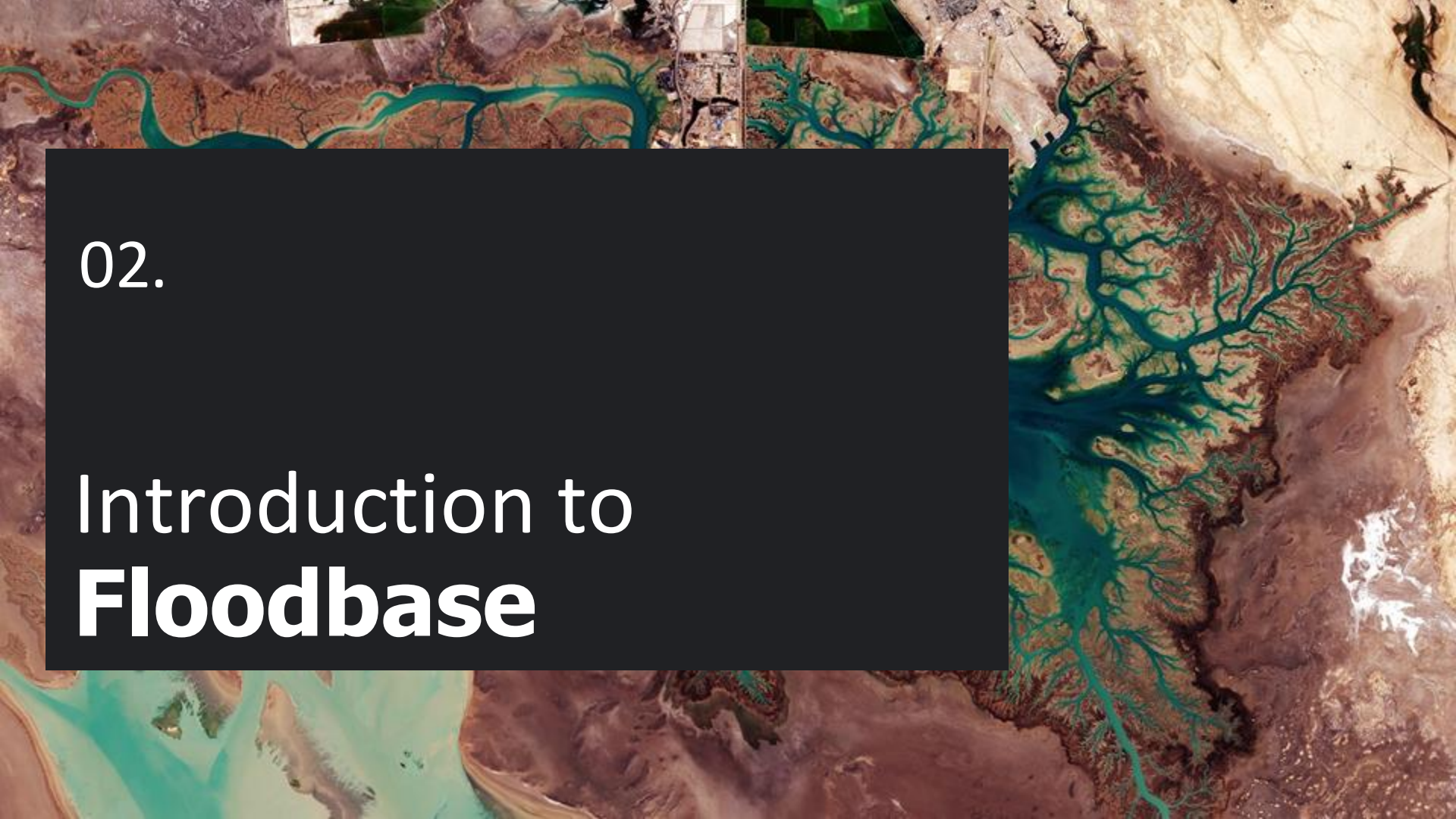
FAST COMPANY World Changing Ideas 2023

Google for Startups Latino Founders Fund

WINNERS ADVANCED-STAGE SOLUTIONS IDEO Climate Resiliency Challenge

Verizon Climate Resilience Prize





02.

Introduction to **Floodbase**

83%

of economic losses from flooding were uninsured over the last decade.*

*Swiss Re Institute

Most government & local business flood risk **cannot** be covered today by traditional insurance products.

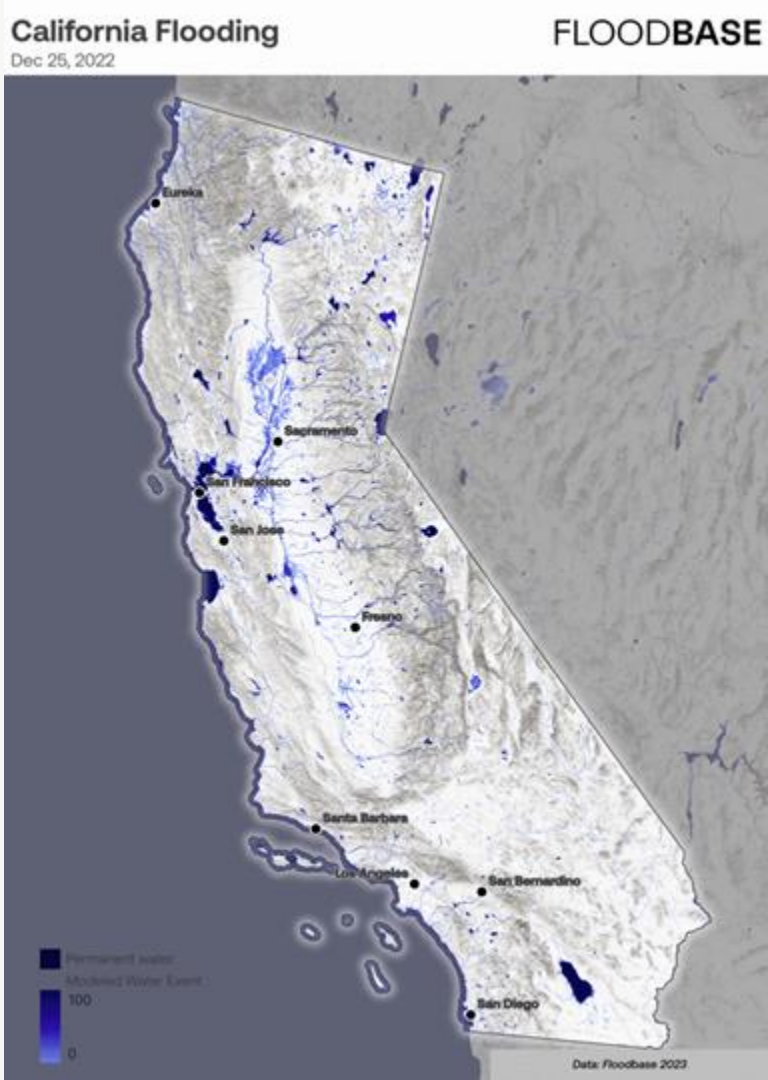
Stakeholders that could not get coverage:

Town hospital experienced major **business interruption** from floods

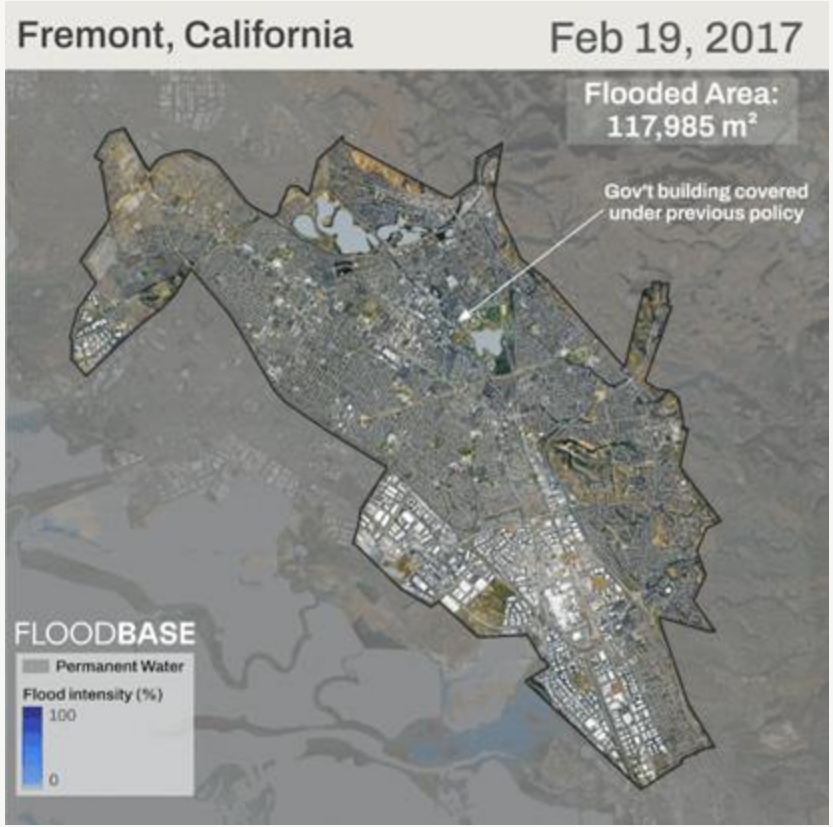
National **government** concerned about wide-scale farm loan defaults

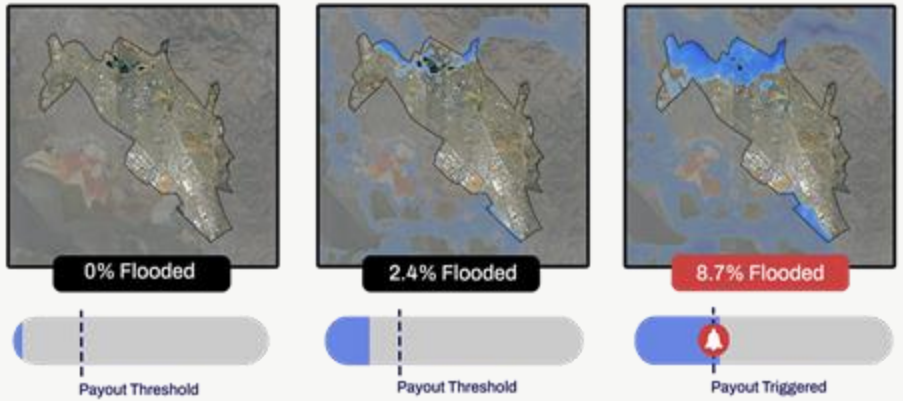
Local township needs emergency cash support for lowest income households

Floodbase invented continuous, real time flood monitoring.



How it works | Flood parametric cover for large areas economic loss





Measuring the percent of the city underwater

"allows me to provide specific coverage and then broaden/it….I'm actually ***covering the event and not the building itself****."*

- City of Fremont Risk Manager, Steve Schwarz

FLOODBASE

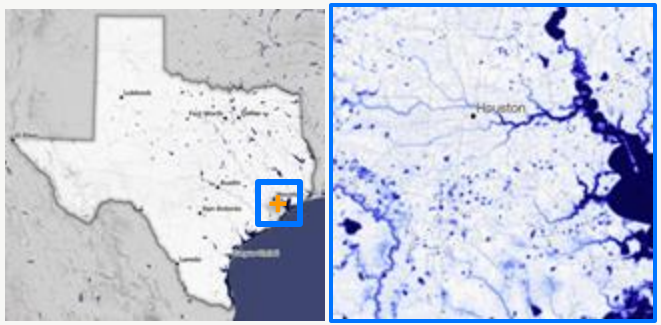
As seen in Bloomberg

Floodbase provides the **data and expertise** to structure & monitor parametric flood insurance

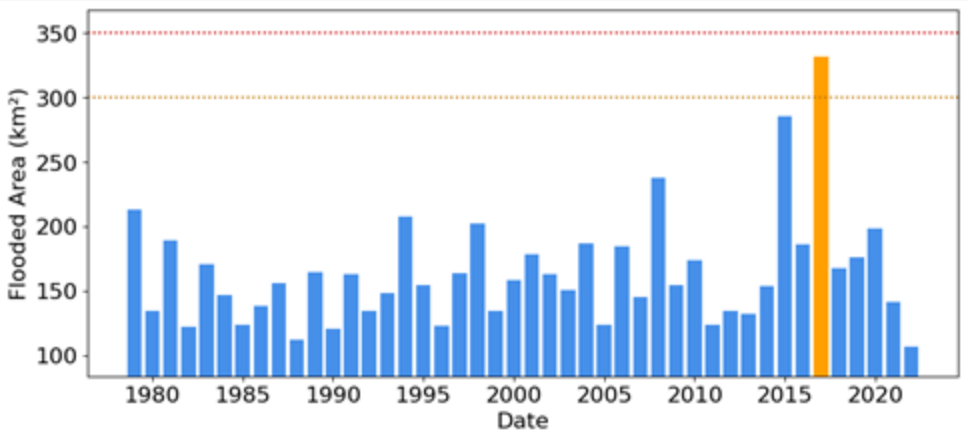
Parametric expertise
Partner with Floodbase to design flood covers tailored to client needs

Index for structuring & pricing
Map the full history of flooding for an area with 44 years of data

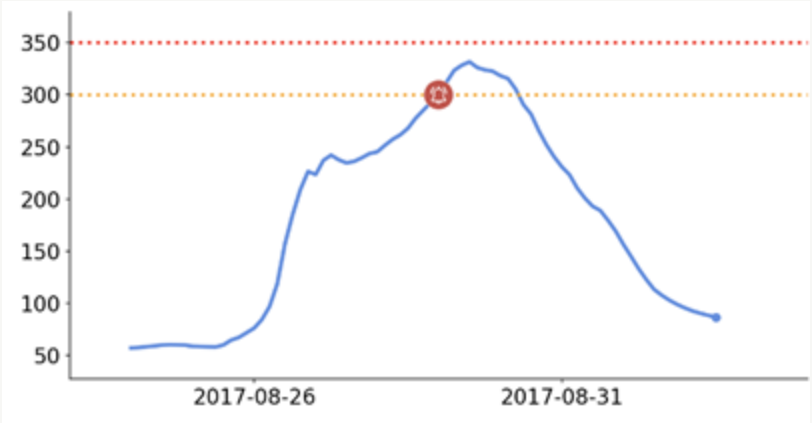
Reporting agent for monitoring & paying out
Floodbase monitors flooding continuously and in near-real time



Example cat-in-a-box coverage for a retailer in Houston, Texas



History of flooding within the cat-in-a-box (max by year)



Flooding graphed & mapped every hour during Hurricane Harvey within the cat-in-a-box

FLOODBASE

Enabling distributors to close the flood insurance gap by covering **loss over large areas**

Golf courses

BI & land loss

Offset lost revenue when flooding damages land and closes courses.

Wineries & vineyards

Crop & land loss

Offset lost revenue when flooding destroys land.

Specialty farms

BI & crop loss

Enable cover for all crops + BI with a single policy

Livestock

Indirect loss

Cover indirect livestock mortality due to flooding

Hotel chains

NDBI

Supplement parametric hurricane policies to offset reduced occupancy.

Industrial

Loss of Ingress / egress

Offset lost revenue when flooding obstructs access to and from facilities.

Retail

NDBI

Offset lost revenue when flooding reduces foot traffic.

Government

Disaster response

Finance disaster relief efforts for cities, states, and countries.

…with industry-leading flood detection algorithms

- 20+ peer reviewed scientific publications over 10 years – featured on front cover of Nature in 2021
- Proprietary training data labeled over 1000+ hours by leading scientists and 10,000+ hours by AI/ML scientists
- Flood extent validated against 3rd party dataset in partnership with top-tier global insurer
- Floodbase data is used by Google, FEMA, The New York Times, CNN, and The United Nations

10,000 policies globally, a decade of trusted science, & $1B+ in capacity partners

Trusted by the public sector

FEMA

Disaster response flood data provider, including for Hurricane Helene

NASA

International disaster response flood data provider

CITY OF Fremont

Reporting agent for parametric flood policy providing city-wide cover

Trusted by insurers

Swiss Re

Backs Floodbase programs

Liberty Mutual. REINSURANCE

Backs Floodbase programs

AXA Climate

Backs Floodbase programs

Trusted by businesses

Industrial facilities
receives payouts for business interruption

National Governments
receive payouts for flooded farmlands

US cities
receives payouts for disaster response

03.

FloodSafe Virginia

Community Insurance for Virginia

What is Floodsafe?

An initiative to deliver rapid, financial aid to Virginia's most vulnerable communities, following catastrophic flooding events.

FLOODSAFE

The new **normal**

Towns in western Virginia are facing rising flood risks and the trend is unfortunately accelerating.

Back-to-back disasters have hit Southwest and West Virginia. This is not “just a bad year” anymore, this is the new normal; and it's getting worse.

HURLEY: Zero individual homeowner assistance from FEMA after ‘21 floods

WAYNESBORO: City river overflowe its banks for the first time in years

TAZEWELL: 50+ evacuations following Jett ‘25

WHITEWOOD: Millions of USD in road damages from ‘22 floods

Most government, local businesses, and households with flood risk **cannot** be covered today by traditional insurance products.

Floods destroy land and decimate **farming** yields

The **public sector** can't insure roads

Transportation routes are exposed & economically crucial

Floods block access to **hospitals** & cause canceled elective procedures

No one visits **hotels & resorts** in flooded cities

Floods block access to **manufacturing** facilities

The Human & Economic Toll

- Recovery costs are skyrocketing, going back to “normal life” becomes more tedious each time, stability keeps slipping.
- Low-income and rural families are getting hit the hardest; often uninsured and unable to rebuild.
- Since 2023–2024, the trend is clear: storms are getting worse.

When disaster strikes, **nonprofits step in**

Recent disasters have highlighted the essential role of nonprofits in disaster response and long-term recovery.

- **Nonprofits fill critical gaps** left by overwhelmed federal programs; providing shelter, food, case management, and long-term support.
- **Their local roots enable lasting recovery**, helping communities rebuild stronger and more resilient than before.

LOCAL

United Way of Southwest Virginia raises $2M+ for Helene recovery

by: Murry Lee, Jayonna Scurry
Posted: Jan 6, 2025 / 12:58 PM EST
Updated: Jan 7, 2025 / 05:42 AM EST

SHARE

ABINGDON, Va. (WJHL) — The United Way of Southwest Virginia (UWSWVA) has raised millions of dollars to help the region recover from Hurricane Helene.

The United Way announced on Monday that between Sept. 30 and Dec. 30, 2024, the organization raised more than $2 million through community-based donations.

| VSP tallies hundreds of crashes Monday morning amid winter storm ›

According to the United Way, the money will be directly distributed to 14 localities affected by Helene to support individual assistance and recovery efforts.

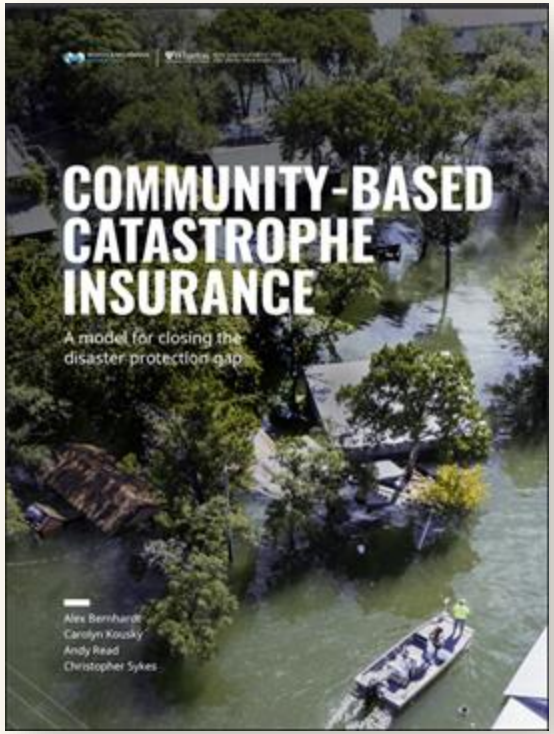
The problem

United Way of Southwest Virginia

> *"We just can't move quickly enough, we just can't"*
>
> - **UW Exec. Director**

- **Raising funds takes too long**. Nonprofits often wait months, and in many cases the needed funds never arrive.
- **Timing of aid matters.** Speed is important; delays worsen outcomes for vulnerable families, including those at risk of homelessness.
- **Many people are left out.** Renters and small businesses are frequently excluded from traditional aid programs, and limited fundraising makes it difficult to cover the full population.

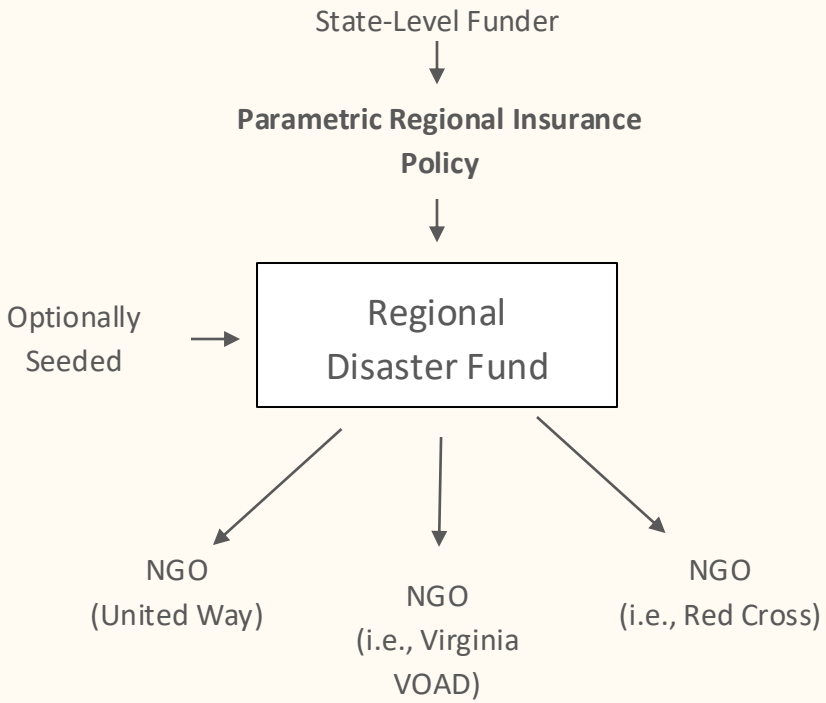
Community-Based Catastrophe Insurance



- Community-based insurance delivers **hyper-relevant, tailor-made coverage**, because communities understand their own risks better than external underwriters.
- It's widely recognized as a powerful model to **close the protection gap.**
- **It unlocks resilience at scale,** especially in underserved or informal markets where traditional insurance struggles to operate.

Solution / How it works

- Establish the first-ever state or regional risk pool.
- Use this pool to deploy flexible capital to disaster-response stakeholders across the region.
- Structure a regional insurance policy that replenishes this revolving fund.
- Allow this fund to quickly distribute capital to participating NGOs throughout western Virginia.



Benefits

- **For Communities:** Rapid payouts within days, bypassing slow traditional processes and significantly reducing long-term harm.
- **For NGOS:** Less time fundraising, more time supporting communities. Reliable capital enables greater impact and expanded services where it matters most.
- **For the State:** Stronger resilience, rapid aid, and clear public visibility. Reduces economic losses from disasters, leverages existing networks, and operates with low administrative overhead and costs.

Where has this worked before

Parametric insurance has proven its mettle in high-risk environments, offering simple, trigger-based payouts that outpace traditional claims processes.

Jamaica

- **Hurricane Melissa (Oct 2025):** Parametric cat bond triggered on wind/pressure thresholds (185 mph, 892 mb), releasing **$150M within days**.
- **CCRIF Payouts:** Automated disbursements of **US$70.8M** for wind and **US$21.1M** for rainfall, with payouts **under 14 days**, supporting immediate repairs and aid delivery.

Miami

- **Revolving Fund Model:** Delivers rapid grants to local nonprofits after disasters.
- **Parametric Policy (2024):** One of the first U.S. philanthropic institutions to adopt a parametric insurance policy to **replenish a disaster fund**, with triggers tied to hurricane metrics.

Requirements for Success

FLOODSAFE

Community and NGO buy-in
Local NGOs are essential partners due to their community context, operational know-how, and trust. Their knowledge and current engagements can drive support and aid within each community.

Strong technical product and operational know-how
The program requires a reliable, technically accurate product that reflects the state's risk profile. Solid operational processes, claims, customer support, and reporting, ensure consistent delivery. A dependable product allows the program to scale effectively.

Government buy-in and budgetary support
State support is critical to legitimize the program and align it with broader resilience goals. Budgetary backing ensures the resources needed for sustainable operations. Active government involvement also improves coordination across agencies.

Partner with us today

Join us in giving communities the certainty they deserve and in redefining how Virginia prepares for and recovers from floods. If you can support or want to get involved, contact us:

alexa@floodbase.com
jonathan@teamraincoat.com

InnSure

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InnSure

RISE RESILIENCE RIVERINE CHALLENGE

Total Cost of Risk Framework

Virginia Governors Housing Conference

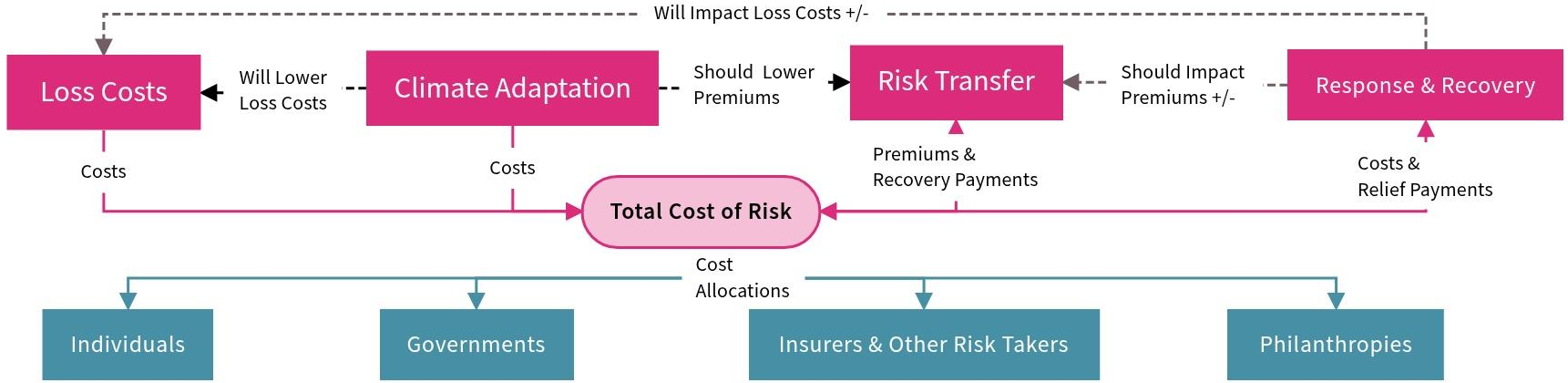
November 2025

HR&A Analyze. Advise. Act.

Stantec

Total Cost of Risk (TCOR) Framework

The TCOR Simulator provides a scenario planning framework focused on supporting better insurability management planning that calculates probabilistic annualized **component costs and total costs**, how costs are **allocated** & **the dynamic relationships** between investments and other costs across the entire public, private and philanthropic funding systems for managing catastrophe impacts.



The rigor of insurance loss cost accounting but designed for community leaders to apply to economic development planning.

TCOR Framework

Narrows Virginia

Zone of Interest: Waste Water Treatment Plant

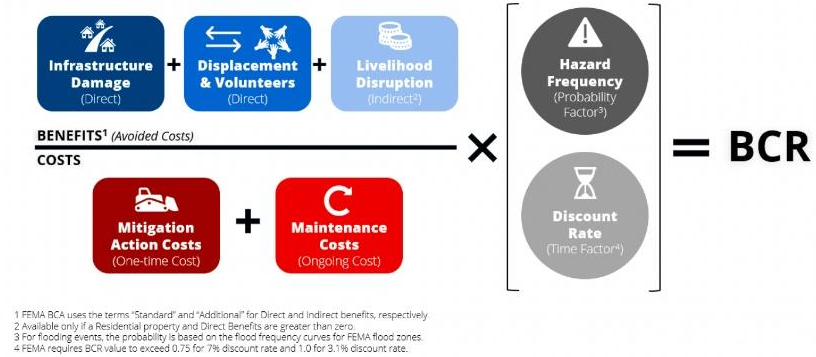
Figure: Past Riverine Flooding Events in Town of Narrows and their Impact on the WWTP

FEMA BCA Methodology

Total Cost of Risk

Use case: Support FEMA BCA Methodology

Figure: FEMA BCA Methodology



FEMA BCA Methodology

TCOR Approach

InnSure

Scenario Analysis

Three Scenarios Considered

Scenario 1: Do Nothing

- No new project or maintenance costs (business as usual)
- No costs prevented
- Opportunity costs due to weak service delivery

Scenario 2: Fix WWTP

- New project and maintenance costs
- Opportunity costs translate into benefits

Scenario 3: Combine with Pearisburg

- New project and maintenance costs
- Greater regional benefits
- Opportunity costs translate into benefits

FEMA BCA Methodology

TCOR Framework

Scenario Analysis

17 Different Costs Considered

No.	TCOR Impact Category	Impact Type	Impact Geography/Bearer			
			Households	Community	Businesses	Municipality
1	Mitigation Action Cost	Direct				✓
2	Maintenance Cost	Direct				✓
3	WWTP Damage	Direct				✓
4	Property Damage	Indirect	✓		✓	
5	Infrastructure Damage	Indirect		✓		✓
6	Livelihood Disruption	Indirect	✓			
7	Business Disruption	Indirect			✓	
8	Displacement	Indirect	✓			
9	Volunteer Efforts	Indirect		✓		
10	Nature Restoration	Indirect				✓
11	Public Health	Indirect		✓		
12	Cultural Loss	Indirect		✓		
13	Poor Service Delivery	Opportunity		✓		
14	Service Ecosystem Disruption	Opportunity		✓	✓	✓
15	Foregone Development Disruption	Opportunity		✓		✓
16	Missed Employment	Opportunity		✓	✓	

Events are more frequent and more costly in part as a result of climate change.

InnSure

Scenario Analysis

BCR close to 0.75 FEMA threshold for reimbursment when costs are considered.

15	Scenario Summary - Cumulative 500 Year Flood (30 year NPV)				
16	No.	Intervention	Overall Cost	Overall Benefit	BCR	Net Benefit
17	1	No Action	($3,915,464)	-	0.00	($3,915,464)
18	2	Fix Narrows WWTP only	($12,526,819)	$8,054,792	0.64	($4,472,028)
19	3	Combine Narrows & Pearisburg WWTPs via VA SR 100	($13,255,203)	$8,445,176	0.64	($4,810,027)
20	4	Combine Narrows & Pearisburg WWTPs via US 460	($10,323,256)	$7,210,367	0.70	($3,112,889)
21						
22	BCR Sensitivity (500 Year Flood Scenario)					

FEMA BCA Methodology

InnSure

Scenario Analysis

Note: Impact of discount rate.

24	Fix Narrows WWTP only			
25	**NPV/Discount Rate**	**3.1%**	**5.0%**	**7.0%**
26	30-year	0.65	0.58	0.53
27	50-year	0.90	0.71	0.59
28				

FEMA BCA Methodology

Scenario Analysis

BCR Improves when costs shared with neighboring community

15	Scenario Summary - Cumulative 500 Year Flood (30 year NPV)					
16	No.	Intervention	Overall Cost	Overall Benefit	BCR	Net Benefit
17	1	No Action	($3,915,464)	-	0.00	($3,915,464)
18	2	Fix Narrows WWTP only	($12,526,819)	$8,054,792	0.64	($4,472,028)
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21						
22	BCR Sensitivity (500 Year Flood Scenario)					

FEMA BCA Methodology

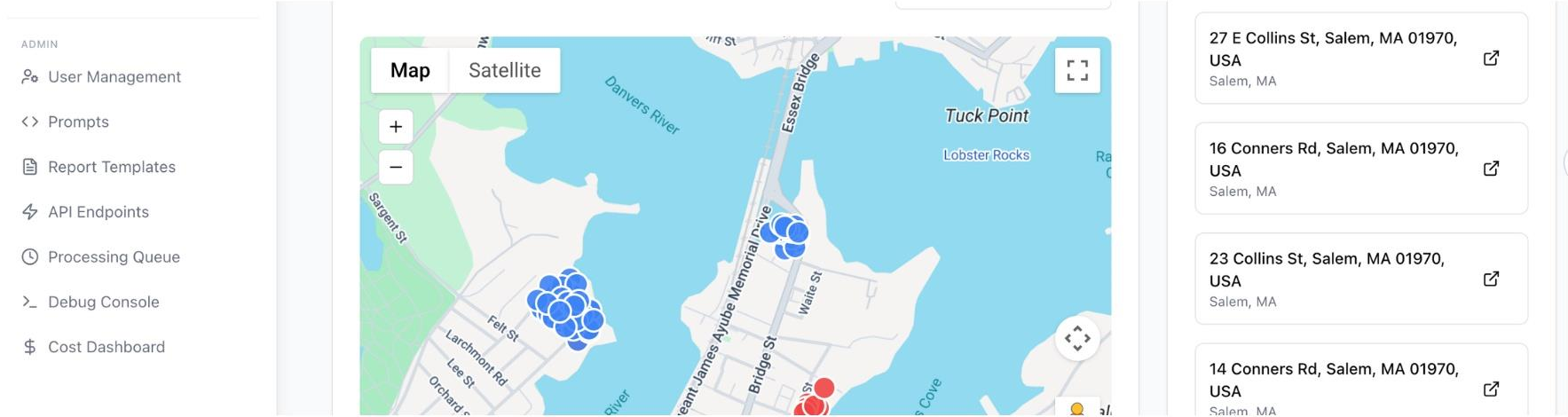
Key Assumption: Pearisburg risk is no worse or better than Narrows.

InnSure

TCOR Framework

TCOR Simulator

MVP up and running in Salem,MA



Events are more frequent and more costly in part as a result of climate change.

InnSure

Conclusions

1. Total Costs Approach Leads to different Conclusions
   - Component costs matter
   - Costs can be financed ahead of time via private markets.
2. Regional Strategies Matter
   - Regional approach lower the cost of capital and spread costs.
   - Small towms have very limited ability to finance risk or imfrastructure on their own.
3. The WWTP business relationship with customers can be mechanism for financing risks
4. Community leaders need lower cost methods to do loss cost modeling.
   - Through process we have developed formulas to calculate 17 identified costs

Merak Labs

RISE
Resilience Innovations

RISERESILIENCE.ORG

Lighthouse™

MULTI-LAYERED INPUTS

WEATHER

Real-time rainfall and streamflow data

TERRAIN & INFRASTRUCTURE

DEMs, soil type, land cover, NDVI, infrastructure

HAZARDS

FEMA maps, historical landslides & mine blowouts, debris, & local knowledge

Analytics Engine

Custom models developed and calibrated to local conditions:

- Hydraulic modeling
- Debris flow risk
- Landslide susceptibility
- Mine blowout risk
- Parcel-level cost & exposure

ACTIONABLE OUTPUTS

EARLY WARNINGS

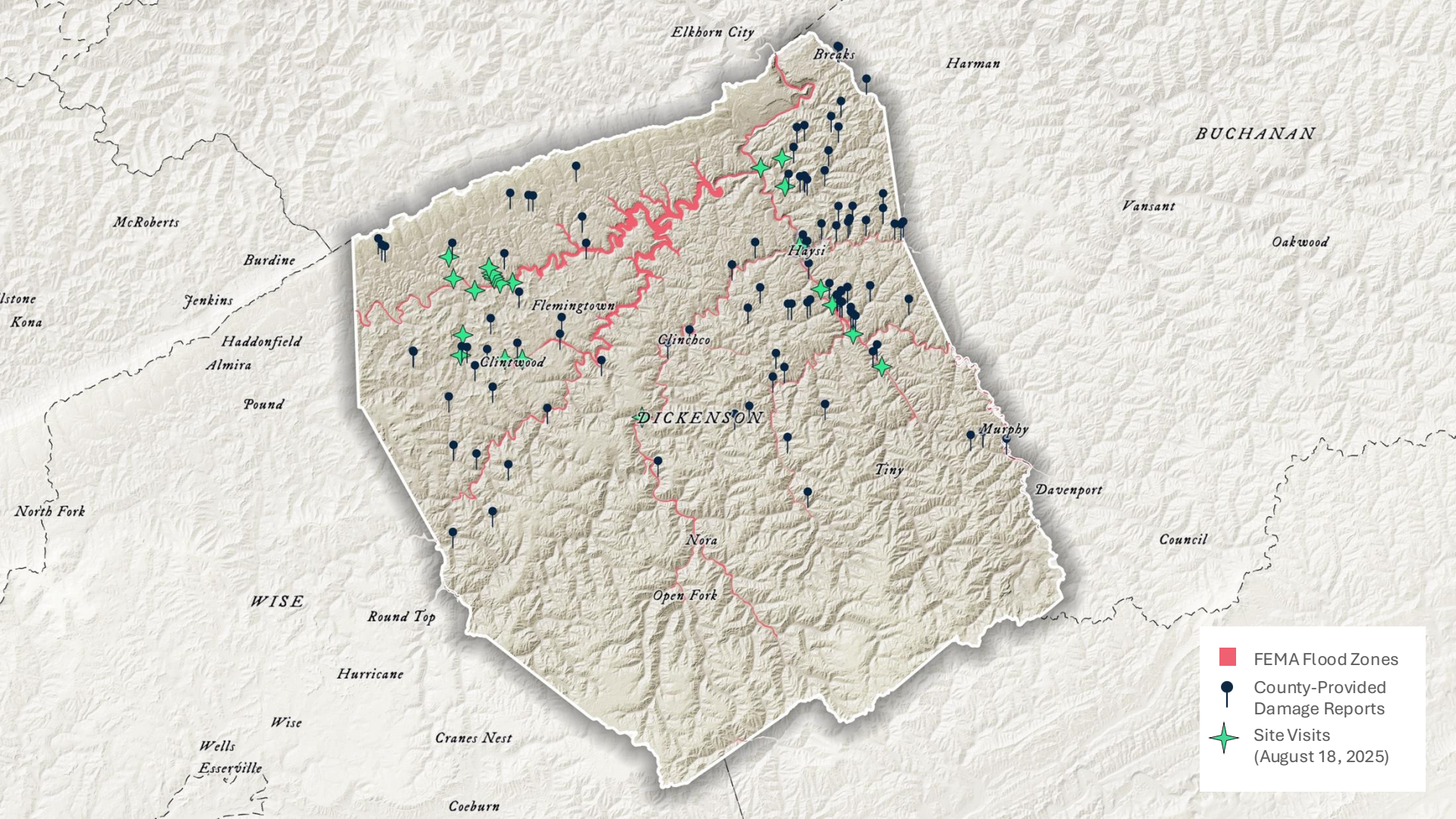
Tailored alerts available days/hours ahead

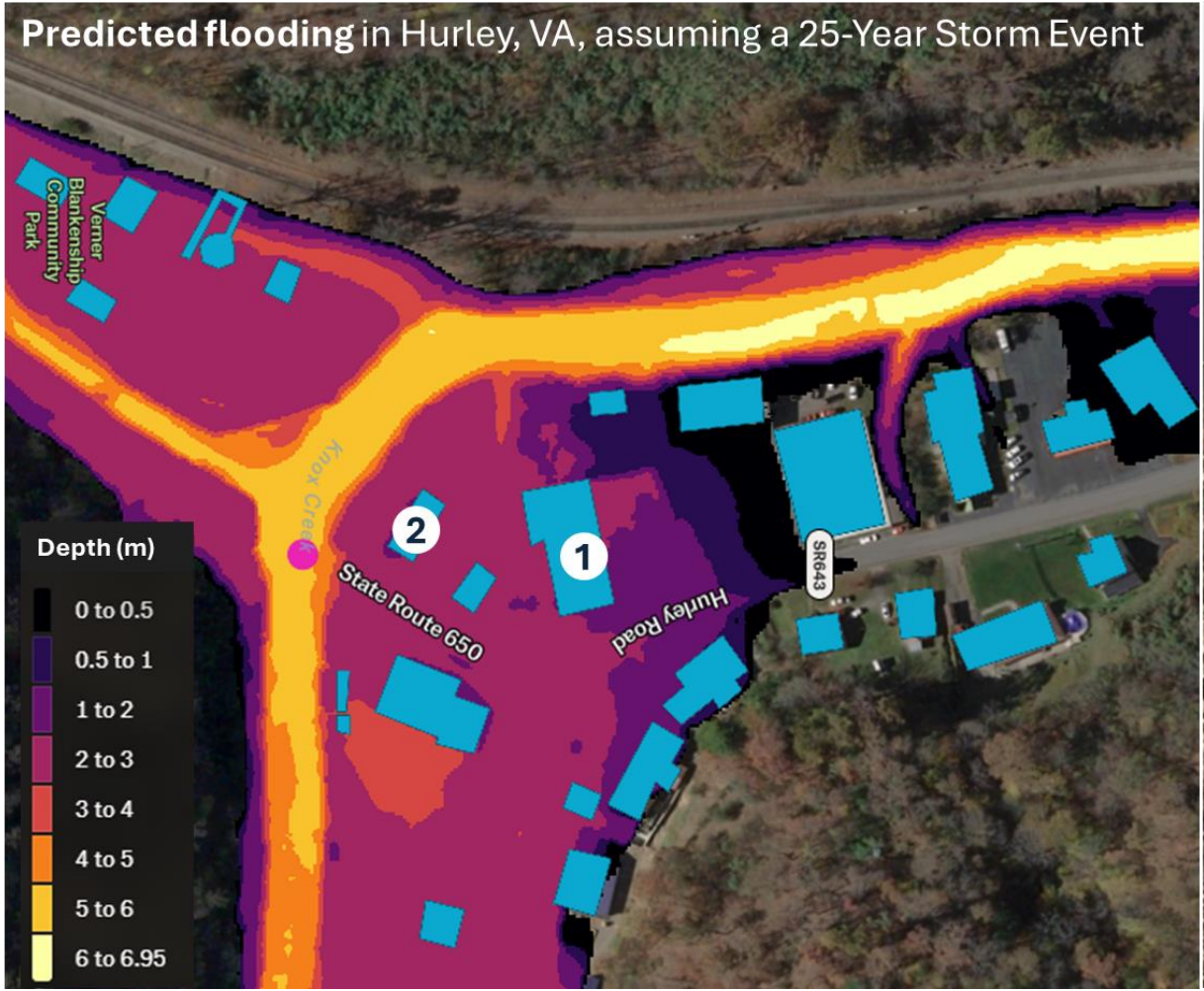
LIVE DASHBOARD

Provides real-time flood & precipitation situational awareness

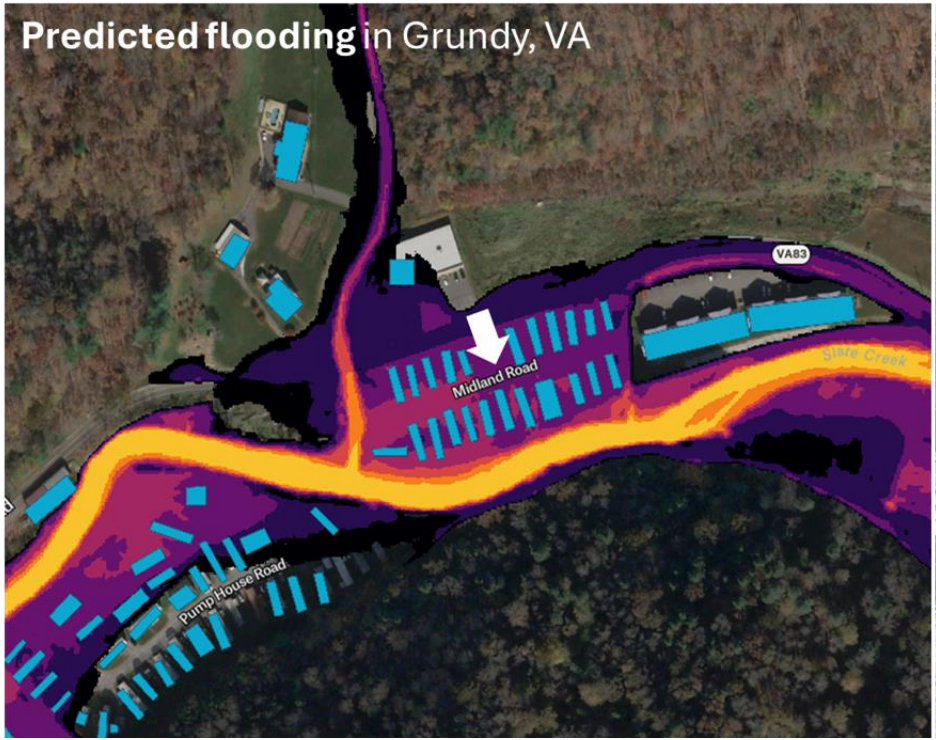
ACTIONABLE GUIDANCE

Pre-storm prep, storm response, and damage assessments


Elkhorn City
Breaks
Harman
BUCHANAN
Vansant
Oakwood
McRoberts
Burdine
Jenkins
Haysi
Flemingtown
Clinchco
Clintwood
Haddonfield
Almira
Pound
DICKENSON
Murphy
Tiny
Davenport
North Fork
Nora
Council
WISE
Open Fork
Round Top
Hurricane
Wise
Wells
Esserville
Cranes Nest
Coeburn
FEMA Flood Zones
County-Provided Damage Reports
Site Visits (August 18, 2025)


Predicted flooding in Hurley, VA, assuming a 25-Year Storm Event
Verner Blankenship Community Park
Knox Creek
State Route 650
Hurley Road
SR643
1
2
Depth (m)
0 to 0.5
0.5 to 1
1 to 2
2 to 3
3 to 4
4 to 5
5 to 6
6 to 6.95


Actual Flooding on February 15, 2025
1
2


Predicted flooding in Grundy, VA
VA83
Midland Road
Slate Creek
Pump House Road


2.5 weeks after Actual Flooding
on February 15, 2025
MERCURY

Juno Maps

RISE
Resilience Innovations

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A Modern Platform for Regional Resilience

- Unified system for daily planning, fieldwork, and emergency response
- Easy for any department to use, with or without GIS experience
- Supports existing workflows and fits alongside current GIS programs
- Designed for everyday use so teams stay familiar and ready when events occur

What Powers §mart Site Plan™

- Access to 20M+ open data layers for quick insight
- High resolution imagery to understand sites and conditions
- Mobile ready tools that make mapping, photos, notes, and quick sketches easy
- Custom digital forms that support everyday tasks and field reporting
- Smart routing tools that support planning, operations, and debris workflows
- Live share links that keep teams and the public informed
- Offline capability in development for reliable use anywhere

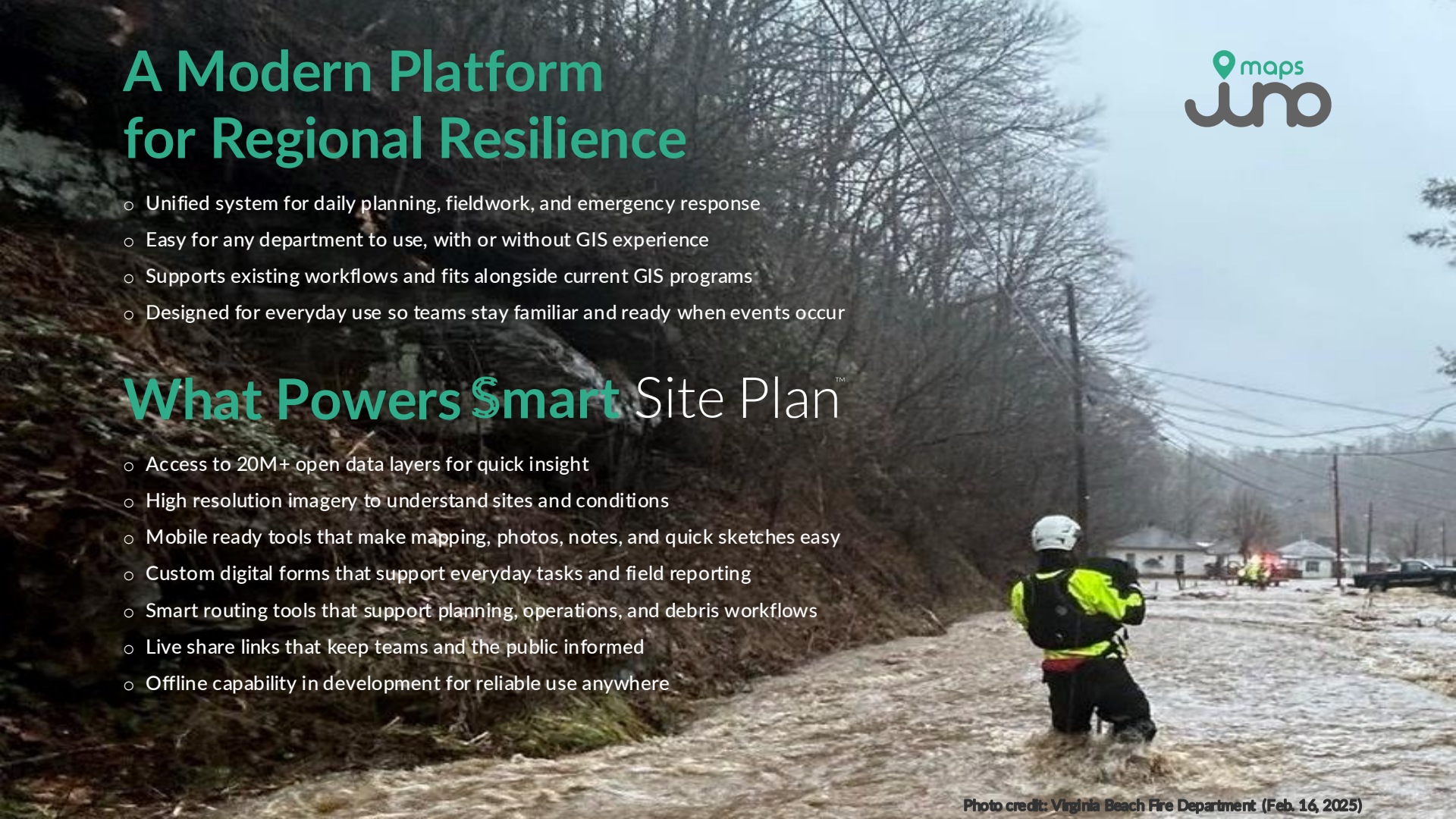


Photo credit: Virginia Beach Fire Department (Feb. 16, 2025)

Program Deployment

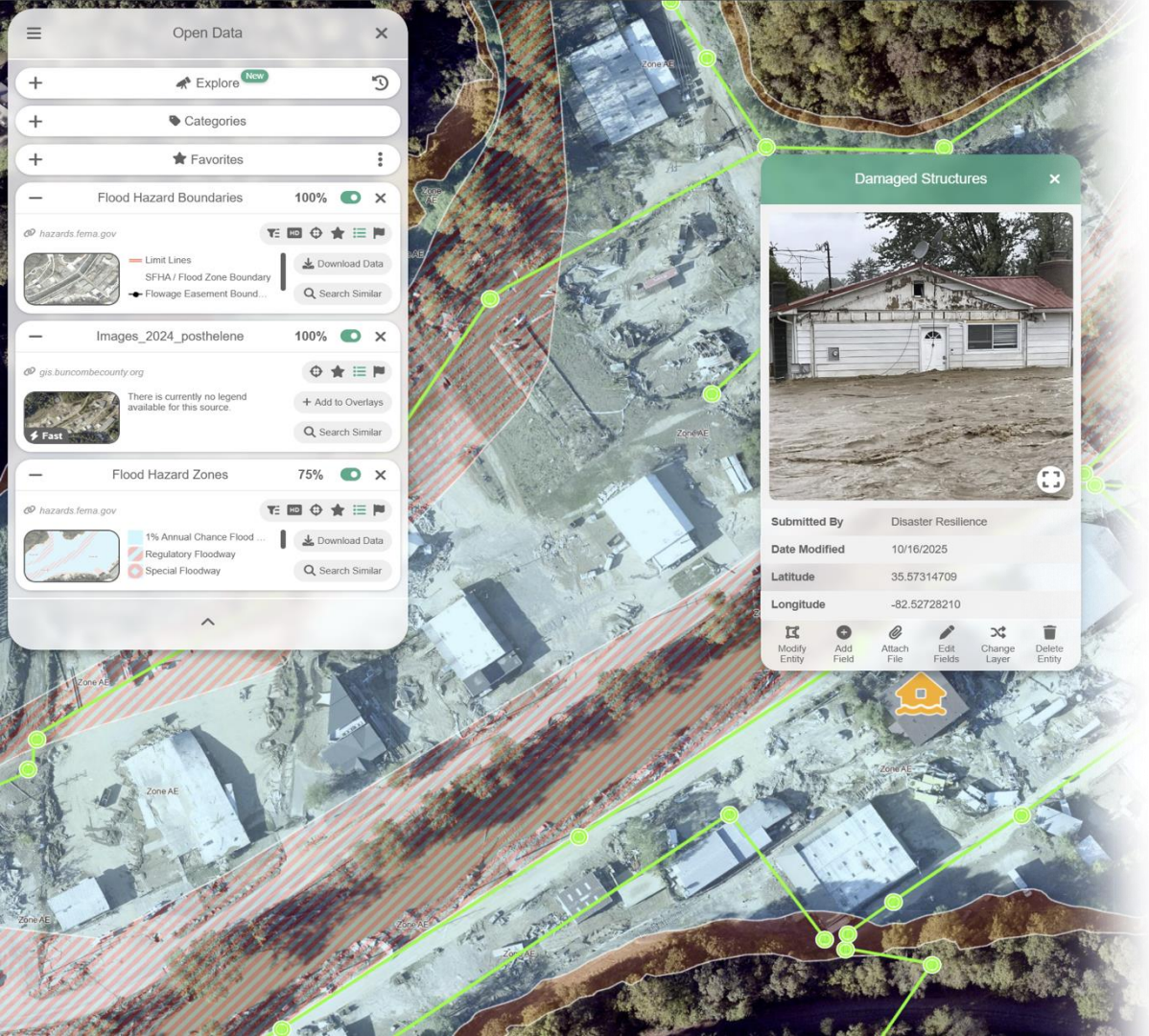
- Supports up to 7 Planning District Commissions (PDCs) across western Virginia
- 128 custom project environments prepared and ready for onboarding
- 1 year of full platform access provided through RISE
- Cellular iPads available for all participating PDCs and localities

Participation & Engagement

- Memorandums of understanding currently signed with 6 PDCs
- 10 participating locations actively engaged (6 PDCs + 4 localities)
- Ongoing group and individual training sessions
- Growing interest across planning, public works, and emergency management teams

Growth & Coordination

- Demonstrative sessions held with VDEM staff
- Shared workflows helping localities align their practices
- New opportunities emerging for cross PDC collaboration
- Momentum building toward a broader, shared operating view
- Increasing multi agency interest for both daily and event use across the region
- Clear path toward wider adoption as onboarding continues and more teams come online



Moving Virginia Ahead Together

- Strengthening offline tools so teams can keep working anywhere
- Using live sensors to show where crews, contractors, and assets are in real time
- Creating an API that connects easily with platforms already in use
- Turning day to day feedback into practical improvements that matter
- Removing bottlenecks to make fieldwork quicker and easier
- Continuing to grow as a local partner supporting Virginia communities

Floodmapp

RISE
Resilience Innovations

RISERESILIENCE.ORG

About FloodMapp

Mission

Building a safer future by **saving lives** and **mitigating flood impact**.

We work with agencies in AU and US to enhance public safety and mitigate flood impact:

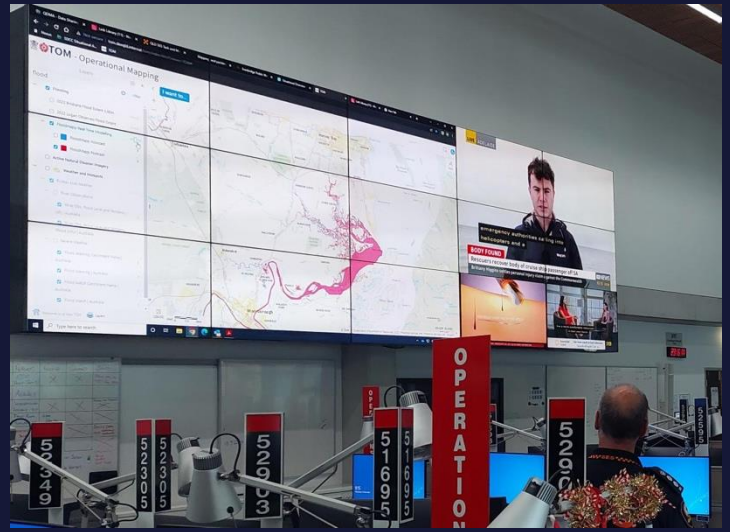
- **Government** - Local, state, federal
- **Critical infrastructure** to help restore our power and community access.

Core Solution

Providing **real-time flood mapping and intelligence**, empowering emergency managers with data-driven insights for faster, more informed decision-making during flood events.

How It Works

FloodMapp integrates seamlessly into GIS platforms via APIs, delivering live flood mapping data directly. Powered by its cloud-based DASH technology, it uses machine learning and real-time hydrological and hydraulic data to provide **high-resolution flood forecasts, live situational awareness, and post-event analysis**.



FloodMapp

FloodMapp Products

Before, During, After.

ForeCast

NowCast

PostCast

FloodMapp

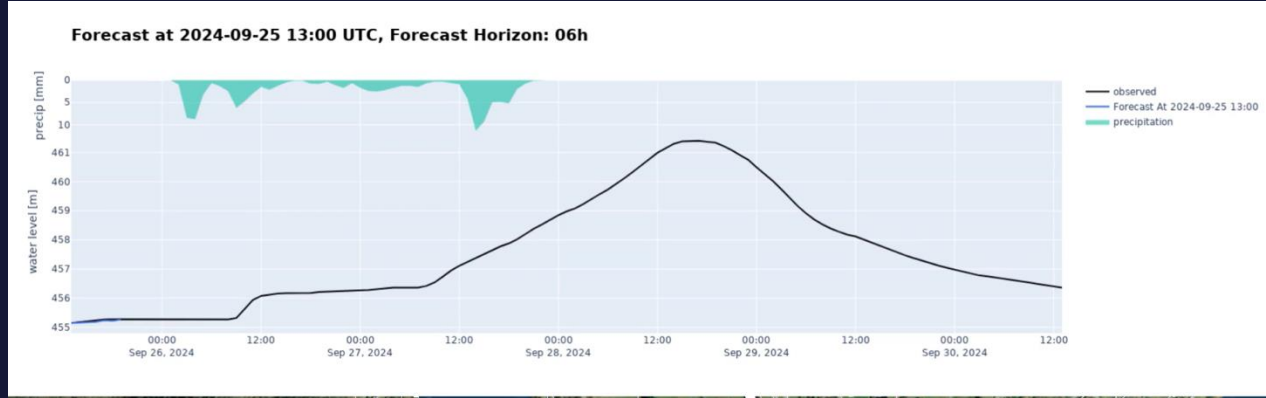
ForeCast:

Impact-Based Hydrology & Hydraulic Forecast

Live impact analytics

6-72 hour forecast

ECMWF, BoM Access



FloodMapp

FloodMapp's Project Objective

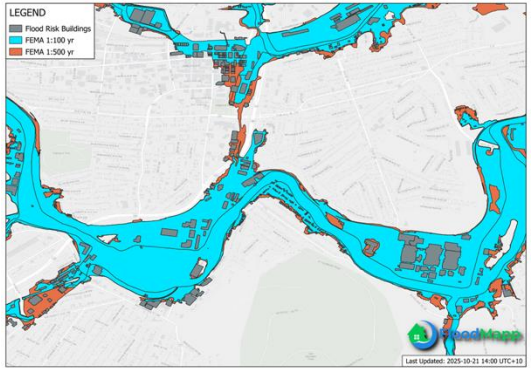
Objective

FloodMapp's RISE Riverine Challenge II Project will implement a Flood Event Forecast and Early Warning System (FEFEWS) in Virginia's Blue Ridge area. This system will deliver localized, accurate, and rapidly updated forecast, real-time, and post-event flood intelligence.

Technical Goal

The overall technical goal of this project is to deploy an operational impact-based flood forecast system in Virginia's Blue Ridge area. The FEFEWS will produce localized, accurate, and rapidly updated forecast, real-time, and post-event flood intelligence to warn communities of impending threats, provide evacuation guidance, and enable communication of information and guidance in real-time to the public throughout the duration of the event. The proposed FEFEWS will leverage FloodMapp ForeCast to deliver accurate, impact-based, timely, forecasts to provide advanced warning of floods and protect communities.

FloodMapp's Work Completed



Phase 1 – Pilot Site Selection, Stakeholder Engagement and Data Gathering

- FloodMapp and RISE chose 3 Planning District Commissions in the Blue Ridge Region to deploy and Flood Early Warning System
- A stakeholder workshop was help with each community to introduce them to the solution and project as a whole

Phase 2 – Gap Analysis and Assessment

- FloodMapp reviewed the region's flood risk, hydrology, and data availability.
- Current Emergency Management and early warning systems were reviewed to see where FloodMapp's products can be integrated.

Phase 3 –

- FloodMapp ForeCast, NowCast and PostCast will be deployed in areas with existing gauge coverage
- Preliminary Pilot Stakeholder Onboarding

Growing Together for More Impact

READY TO MAKE A DIFFERENCE?

RISERESILIENCE.ORG

PAUL ROBINSON
INFO@RISERESILIENCE.ORG

Join us as we build stronger, more resilient communities.

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