NIYAM IT™

Flood Risk Advisor

The AI Voice Assistant for Vital Flood Risk Information

The Challenge

Accessibility is the Problem:

- Enormous amounts of environmental data are being produced to address disaster management and climate change. However, the sheer volume of exponentially growing data produced from a variety of resources makes categorization, sharing, and analysis **daunting for public agencies.**
- National Research Council highlights the accessibility of flood risk information as the **key to achieving resilient communities.**

THE SHEER VOLUME OF ENVIRONMENTAL DATA MAKES IT DIFFICULT TO ACCESS

NIYAM IT

The Approach

Intelligent Assistants are the Answer:

- Intelligent virtual assistants can serve as a critical resource to **address big data challenges** faced by stakeholders preparing for and responding to floods.
- Life-like intelligent assistants use advanced AI and speech recognition technologies to **enhance information flow** for emergency managers and the public.

VIRTUAL ASSISTANTS
CAN SIMPLIFY ACCESS TO DATA AND IMPROVE THE
FLOW OF INFORMATION

NIYAM IT

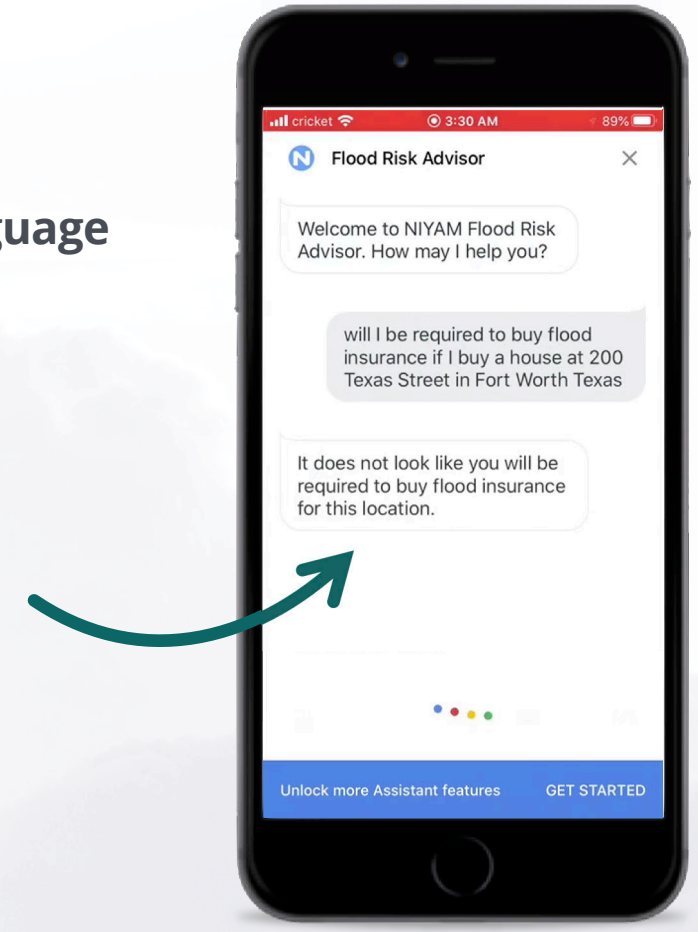
Agencies can increase their preparedness by incorporating AI-enabled intelligent virtual assistants into their response strategies.

Scott Clarke
Government Computer News (GCN)

Our Solution

The Flood Risk Advisor answers flood risk questions in natural language by generating knowledge from authoritative data resources.

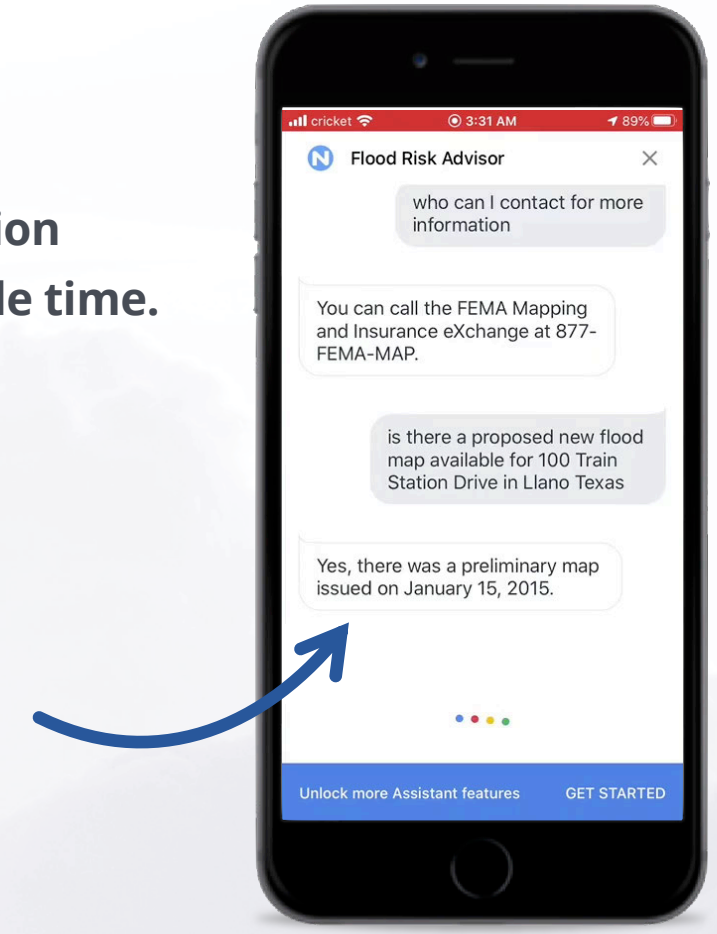
The Flood Risk Advisor allows the public to **stay informed about flood risk** in their community. For instance, prospective homeowners may ask about future flood risk on a property using apps like Messenger, Google Assistant, or Skype, and receive a concise and useful answer as if they are talking to an actual flood expert.



Our Solution

The Flood Risk Advisor automatically finds and analyzes information from distributed data sources to answer questions, saving valuable time.

We leverage artificial intelligence and machine learning (AI/ML) to empower stakeholders with access to actionable knowledge – **simply ask a question and get an immediate answer in natural language.** Our technology continuously improves by learning the relationship between flood risk questions and agency databases as they evolve.



Easy Integration

Flood Risk Advisor can be integrated into any website as well as a wide range of communication channels for voice-enabled support.

Chat Applications & Smart Assistants

+ Facebook Messenger
+ Microsoft Skype
+ Slack
+ Google Assistant
+ Microsoft Cortana
+ Apple Siri

And more...

Smart Speakers & Virtual Reality Devices

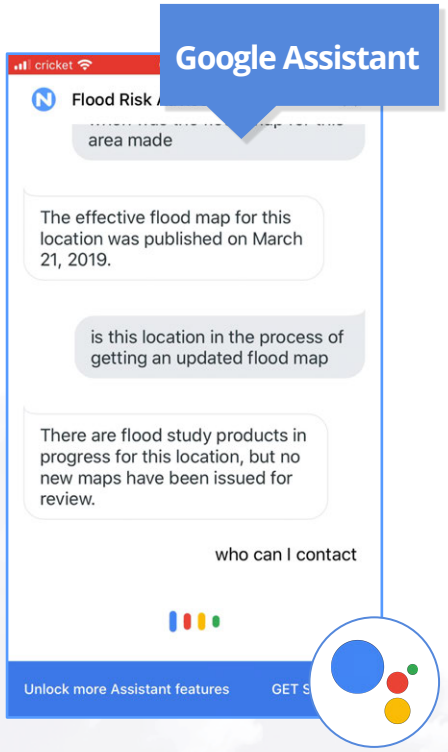
+ Google Home
+ Amazon Alexa
+ Microsoft HoloLens
+ Oculus Go
+ HTC Vive
+ Smartphones

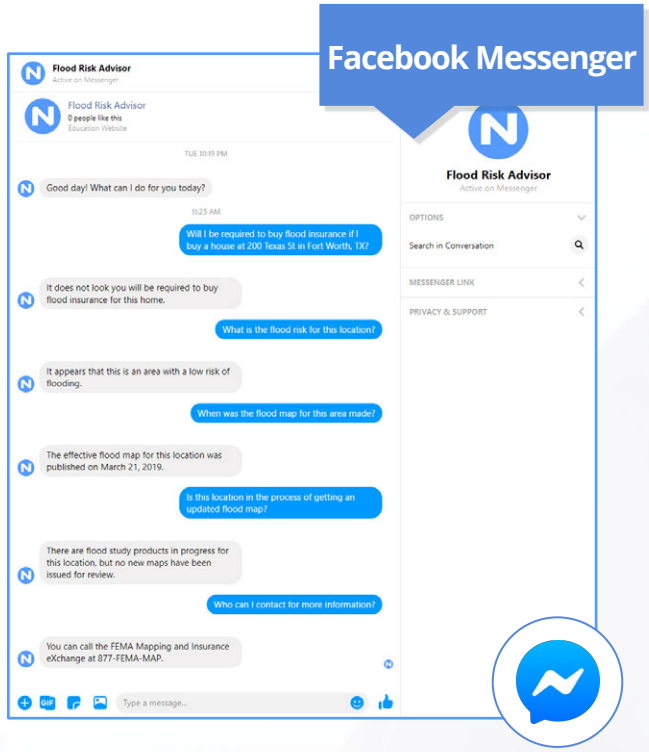
And more...

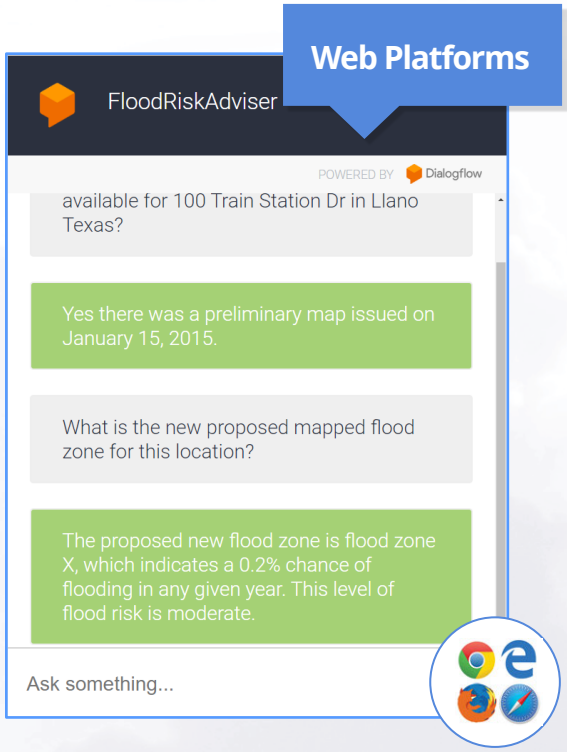
NIYAM IT

Demo

Want to see the Flood Risk Advisor in action? **Ask us about our Demo Video.**







Contact Us

Headquarters

202 Church St. SE, Suite 301 Leesburg, VA 20175

Solution Development Center

10201 Fairfax Blvd., Suite 224 Fairfax, VA 22030

floodrisk@niyamit.com

+1 703.429.2450

www.niyamit.com

Schedule 70: GS-35F-144DA | SBA Certified 8(a) | SBA Certified HUBZone | CMMI DEV LVL 3 | ISO 9001:2015