



IFIS

Information System

- Disaster Communication
- **Decision Making**

- Large Userbase 300K users
- Big Data (50GB/day)
- Optimized User Experience
- Generalized Infrastructure

IOWA FLOOD INFORMATION SYSTEM

The Iowa Flood Information System (IFIS) is a one-stop web-platform to access community-based flood conditions, forecasts, visualizations, inundation maps and flood-related data, information, and applications



IFIS Widget



Video Tutorial



Twitter Flood Alerts











ABOUT IFIS

IFIS **FEATURES** e ≡

IFIS APPS

IFIS WEB SERVICE O

IFIS MOBILE



CONTACT

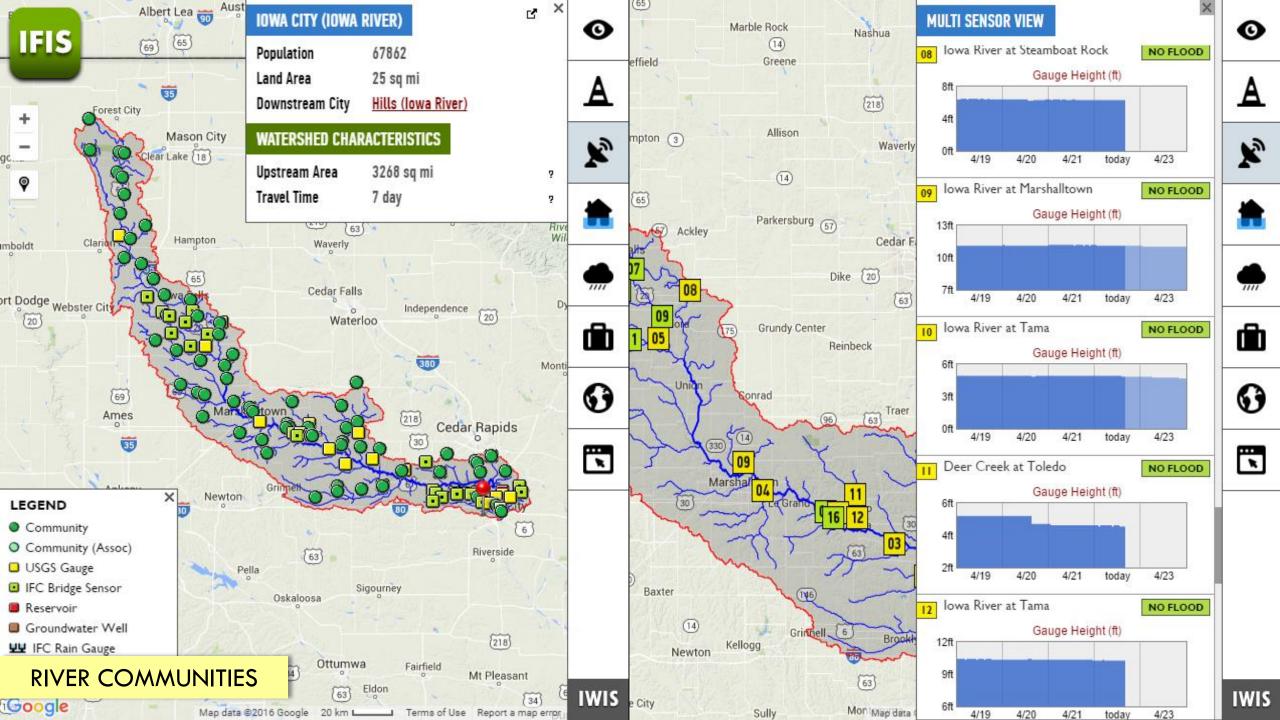


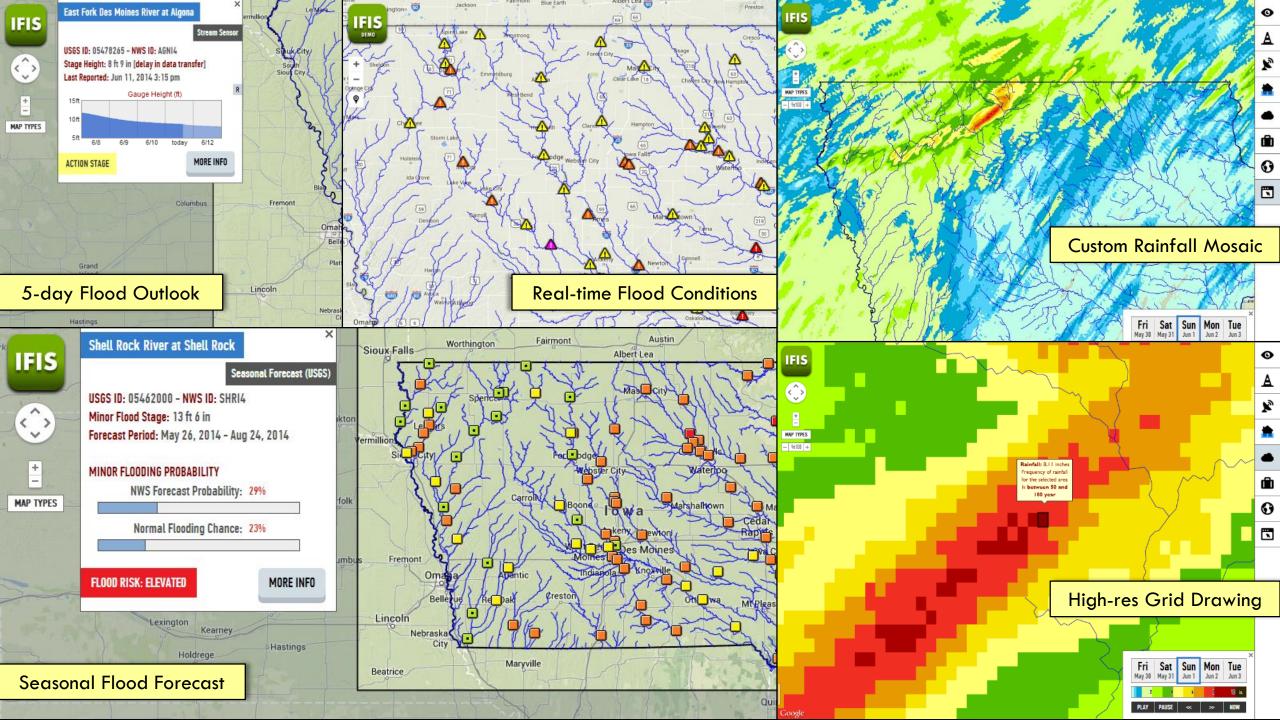


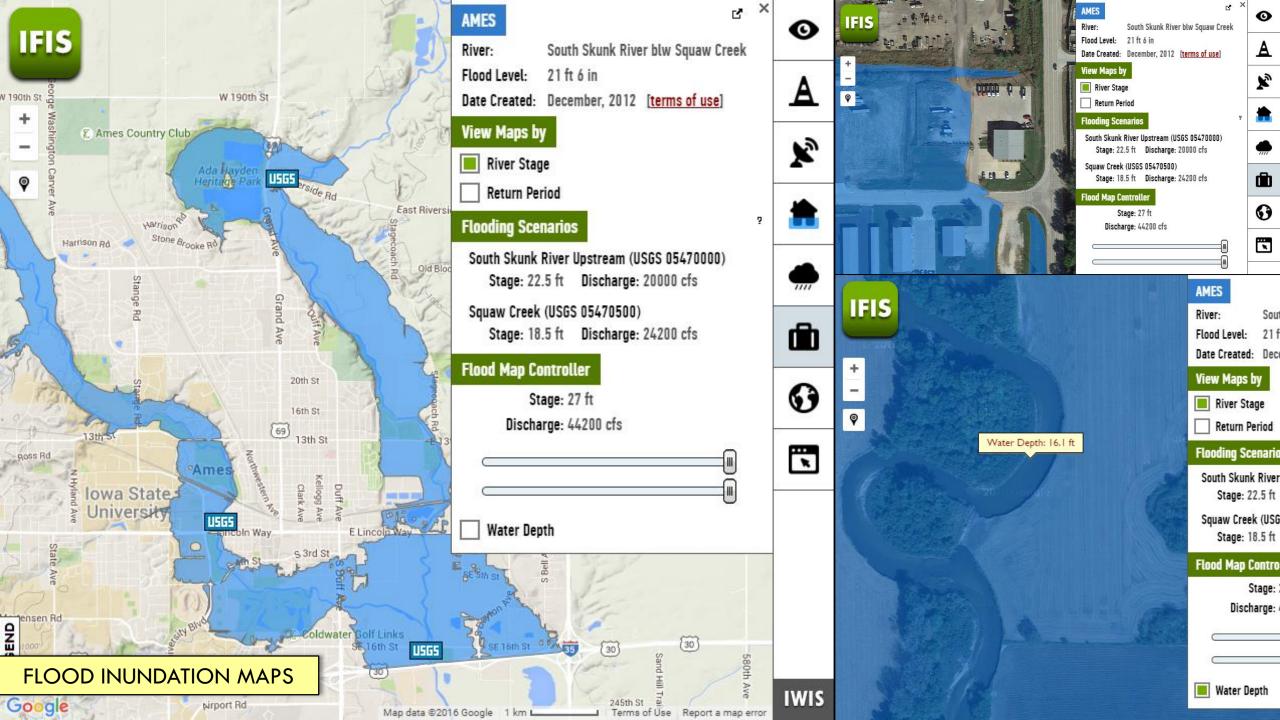












IWIS



IFloodS is a field experiment being conducted in northeast Iowa by NASA in collaboration with Iowa Flood Center during the spring of 2013



IOWA WATER QUALITY

INFORMATION SYSTEM

Welcome to the Iowa Water Quality Information System. The IWQIS allows access to real-time water-quality data and information such as nitrate, pH, and dissolved oxygen concentrations, discharge rates, and temperature.

























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ABOUT

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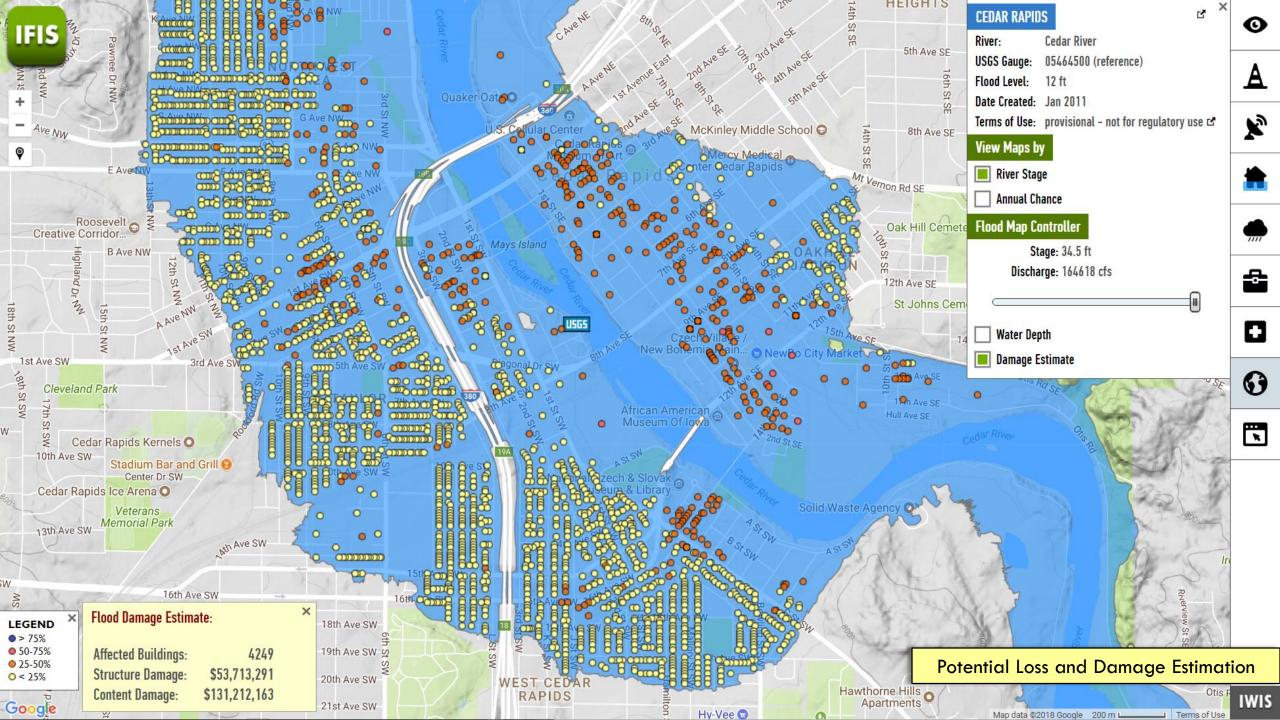
Upper Mississipp Information System Launch UMIS

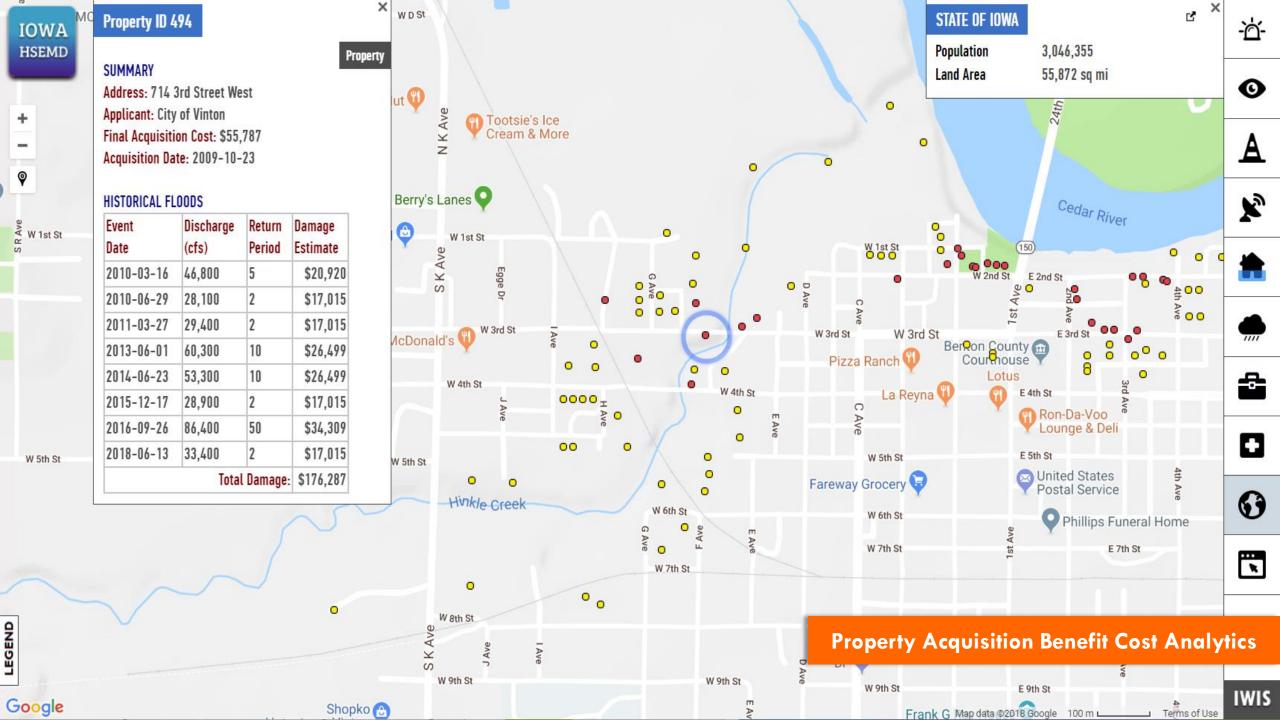
The UMRB has over 20,361,000 Become Data Partner

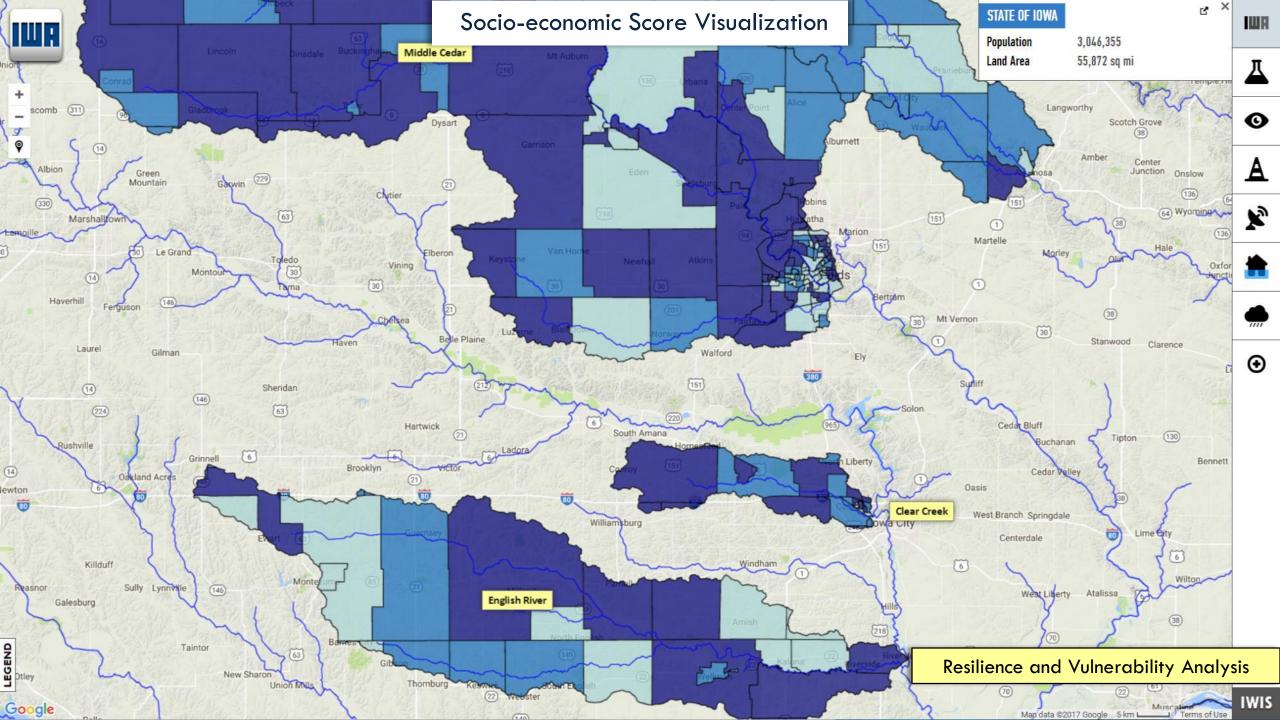
Become Beta User

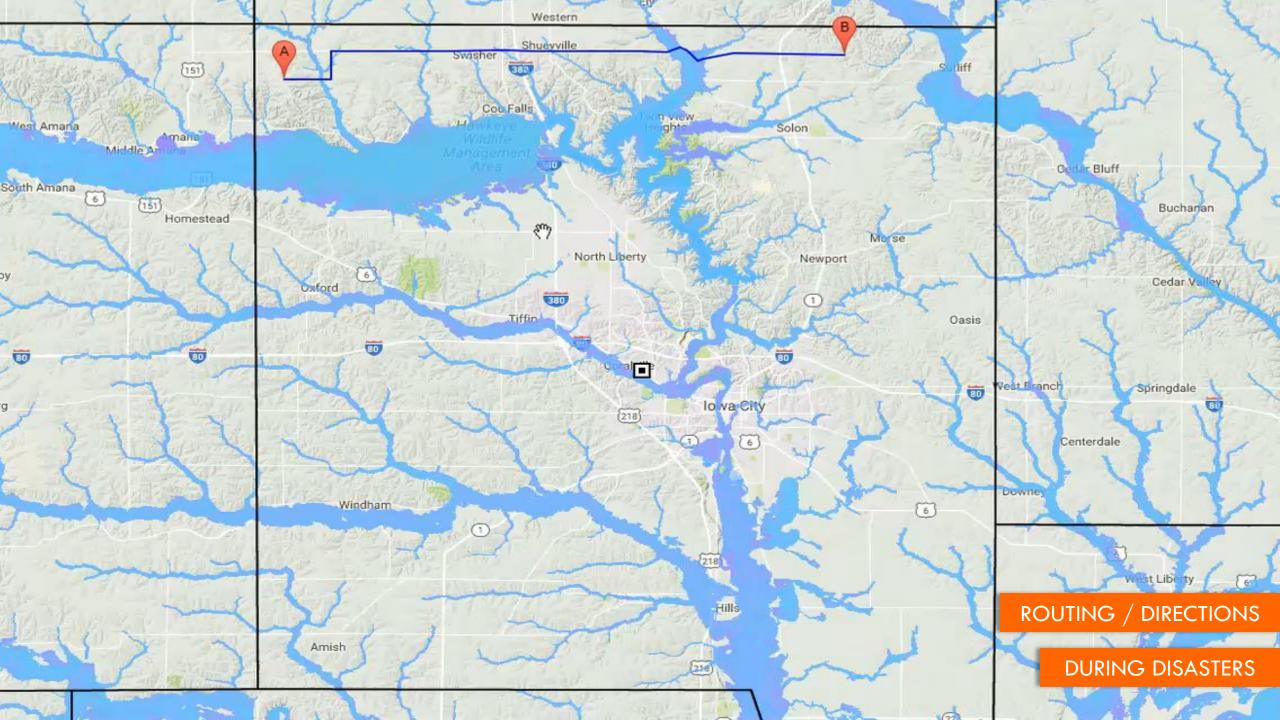
become a UMIS beta user. Gain early access to the

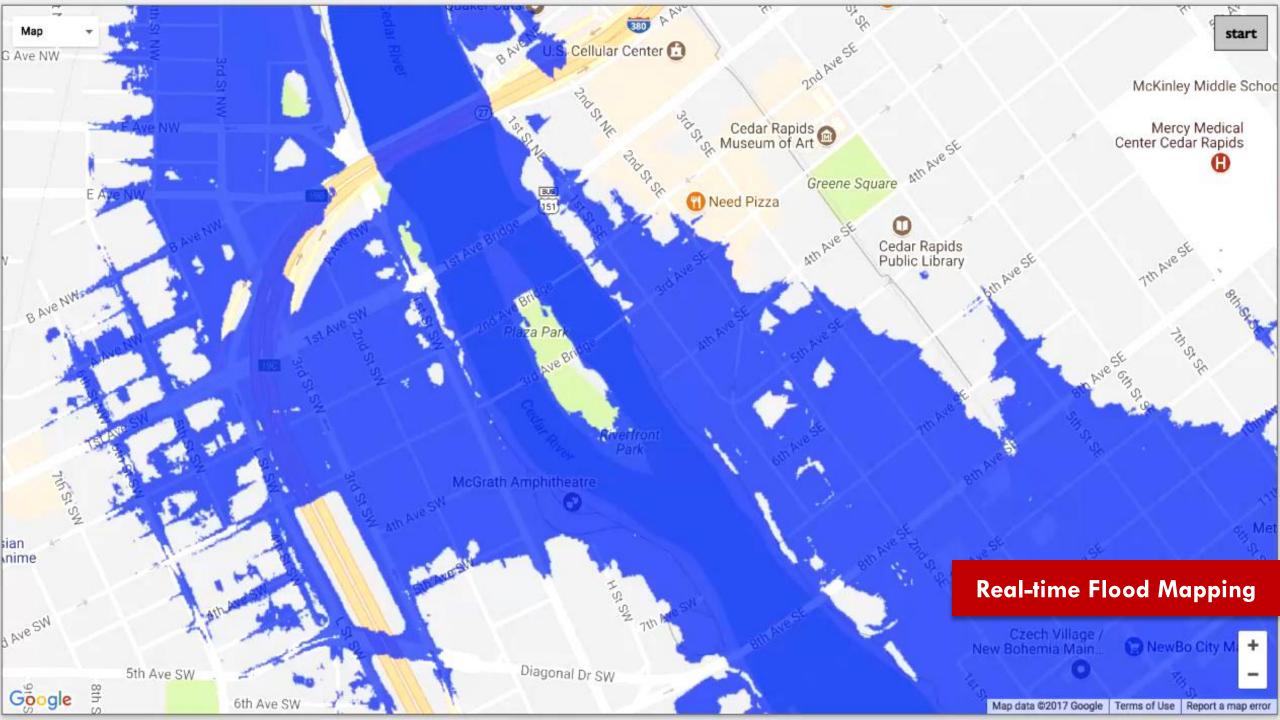
Visual Data Analytics Decision Support Systems

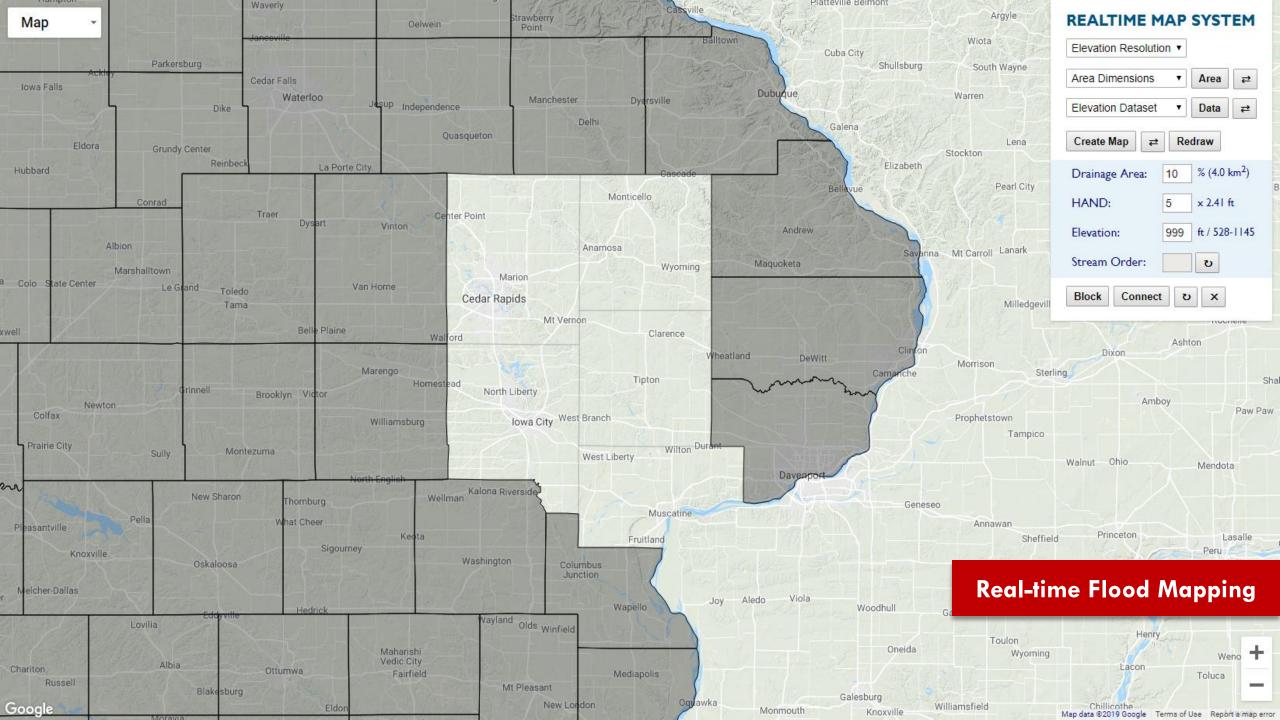


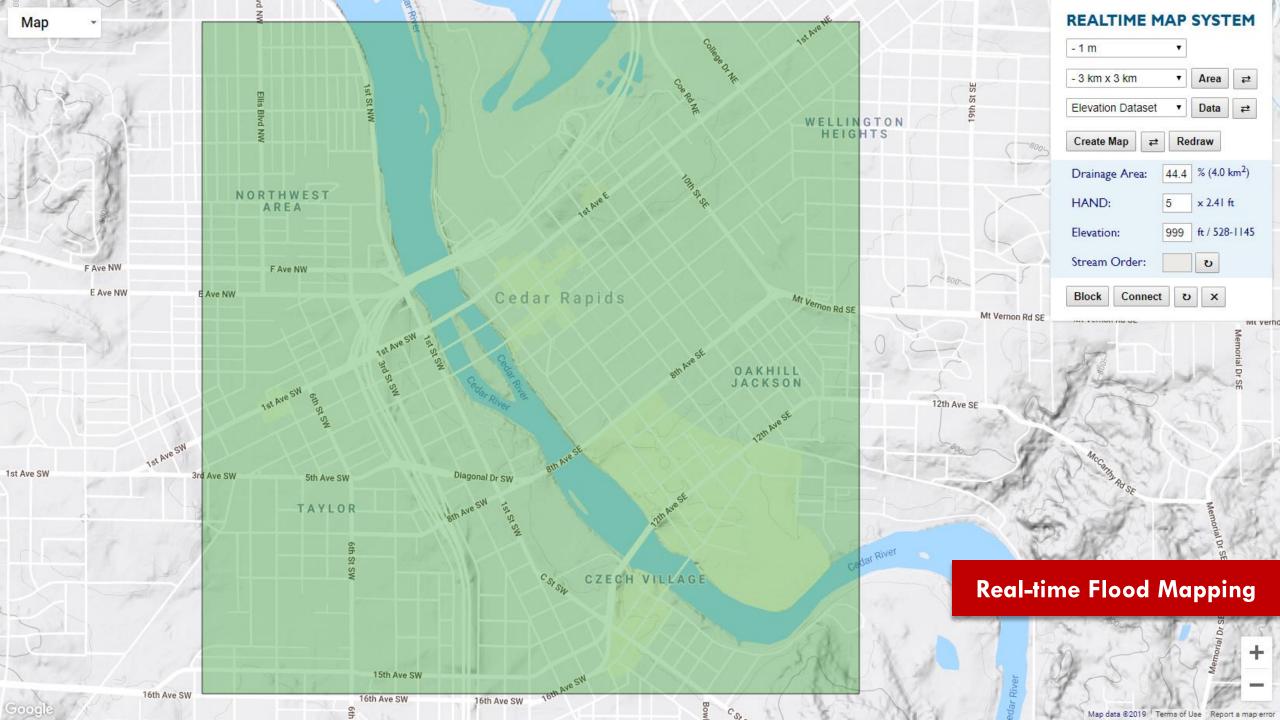


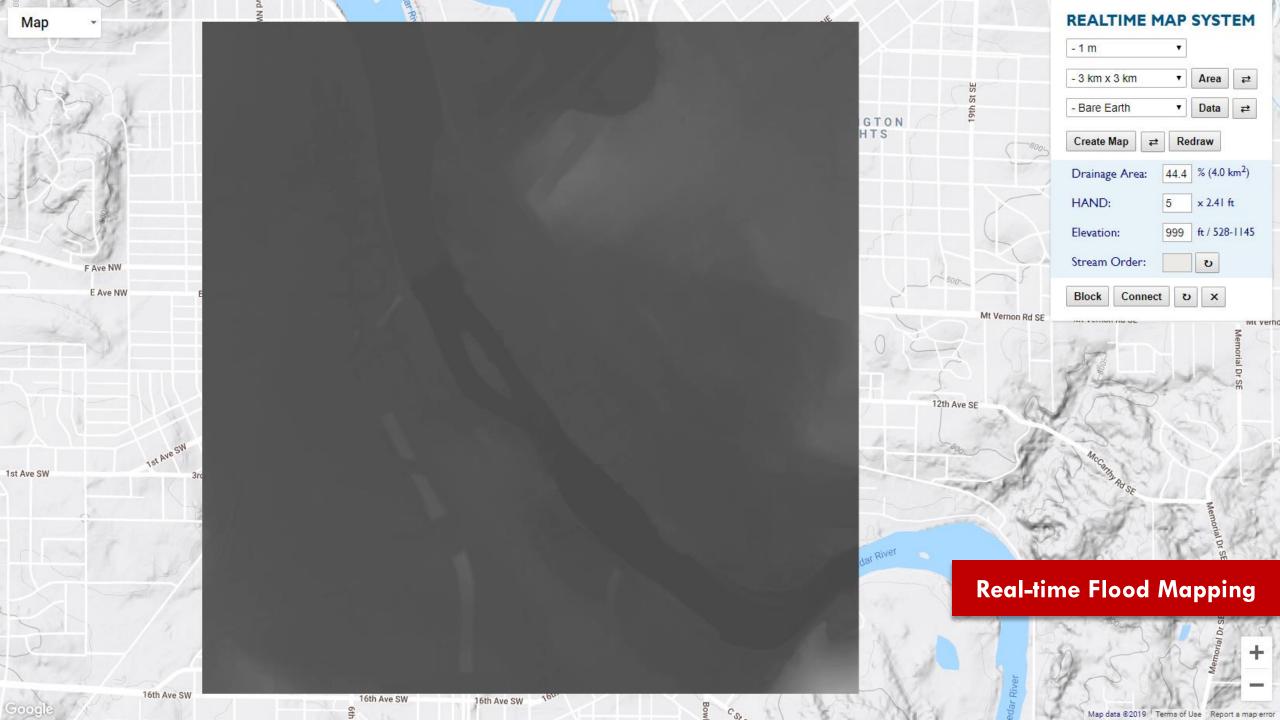


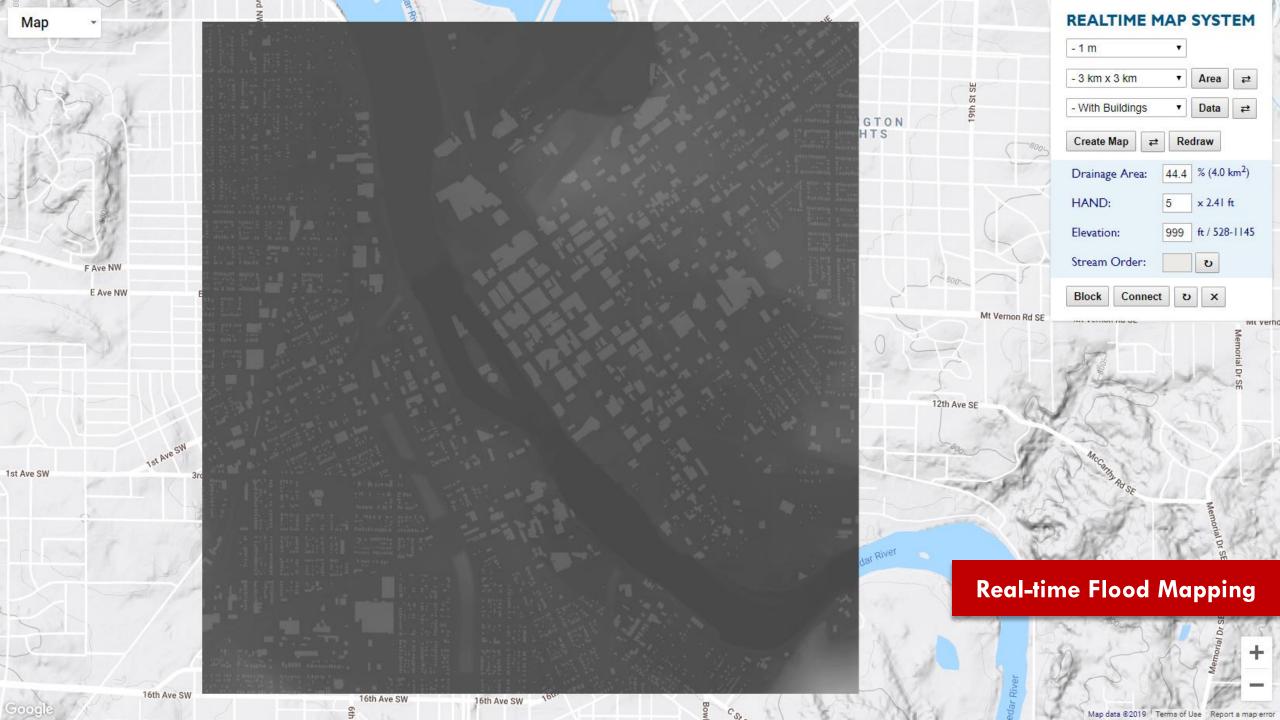


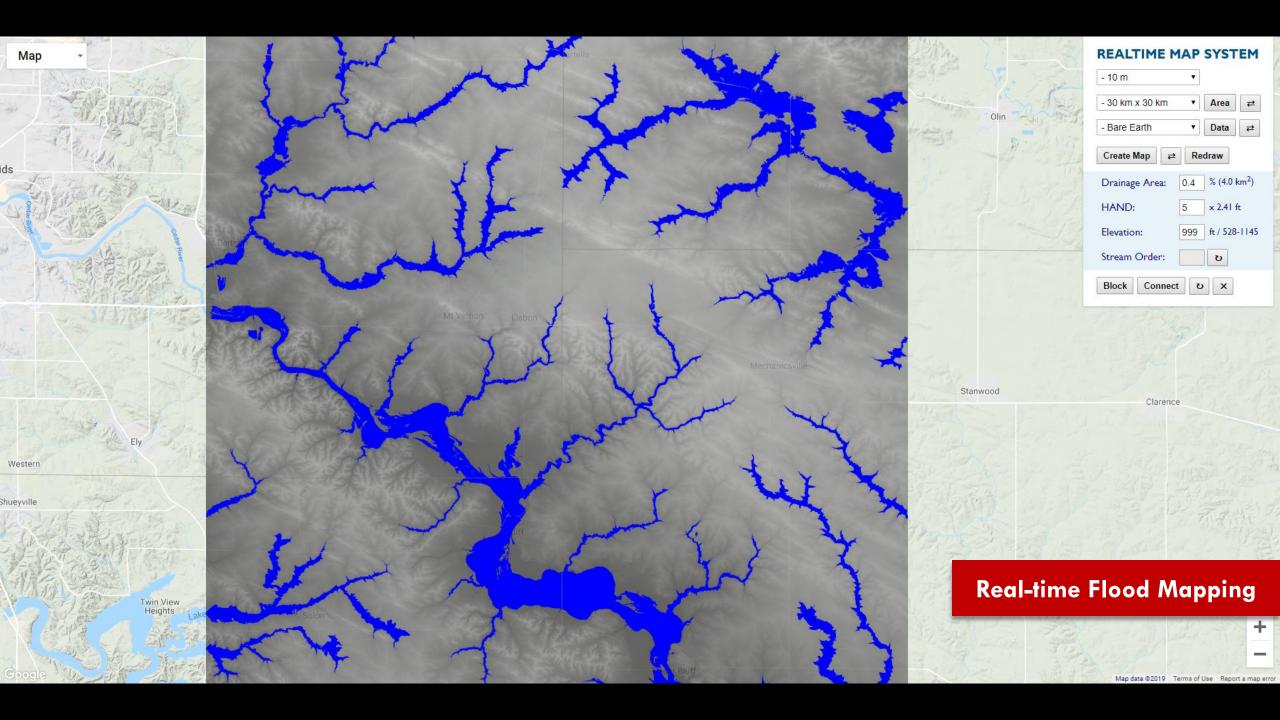


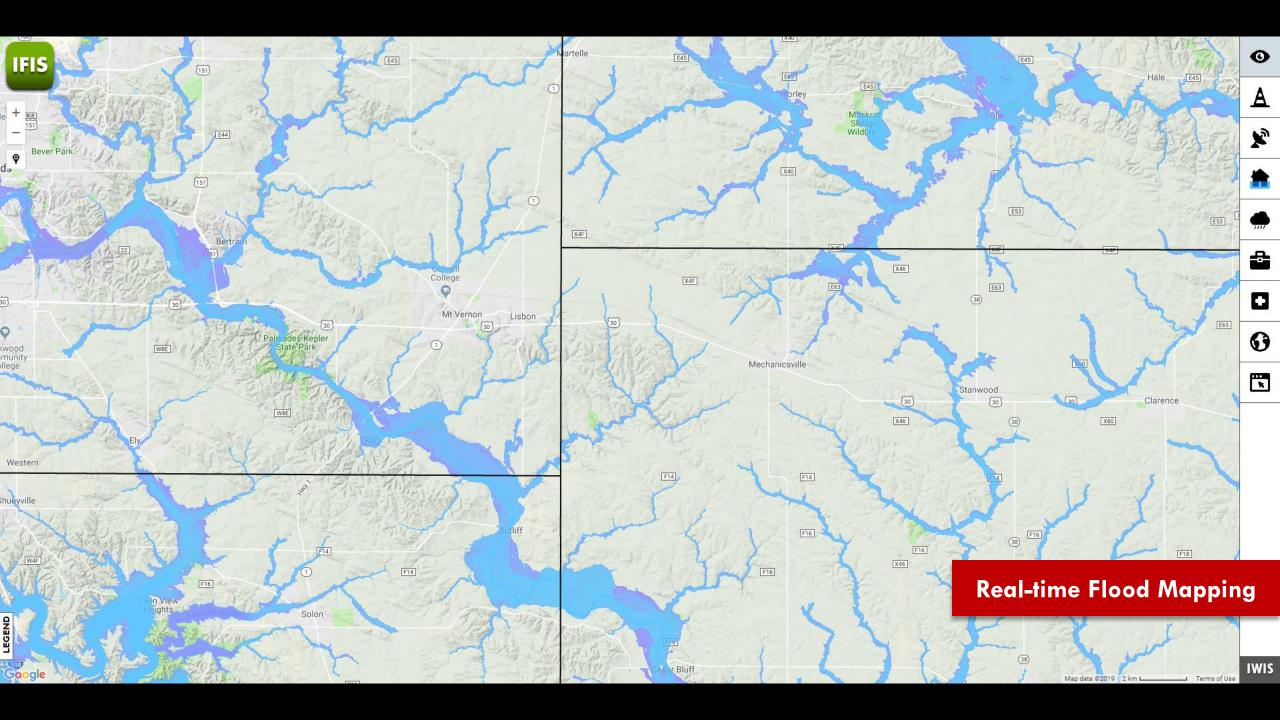












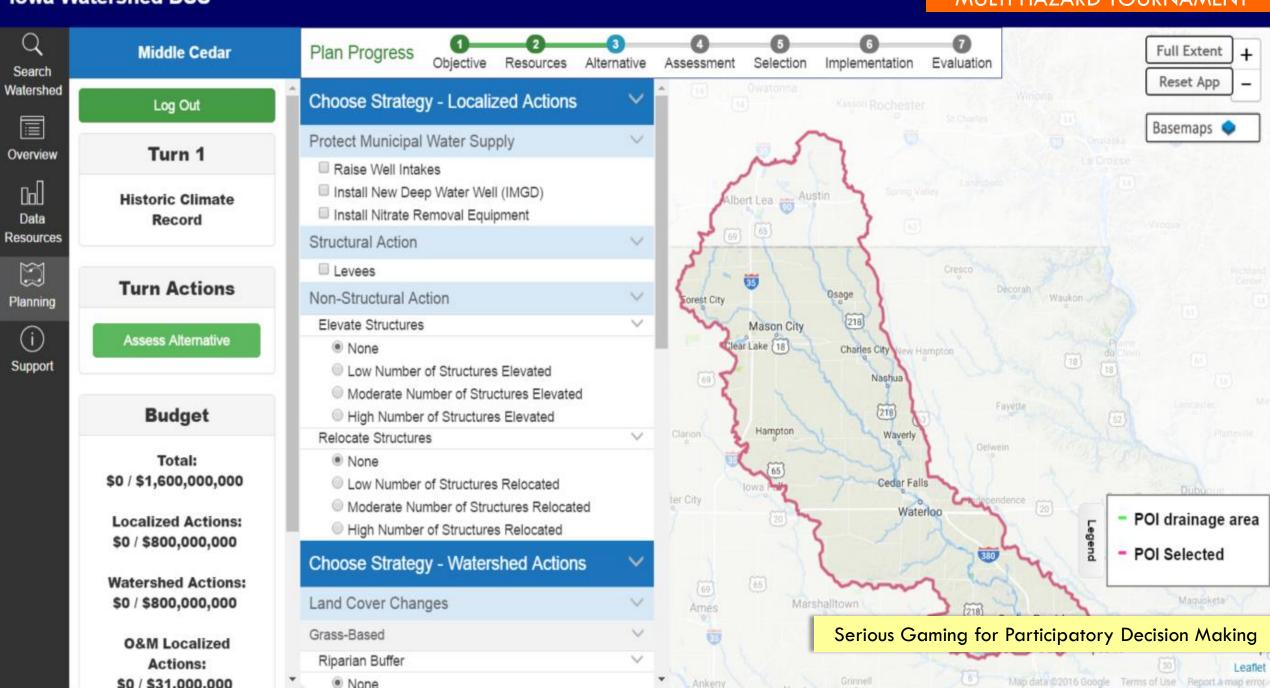


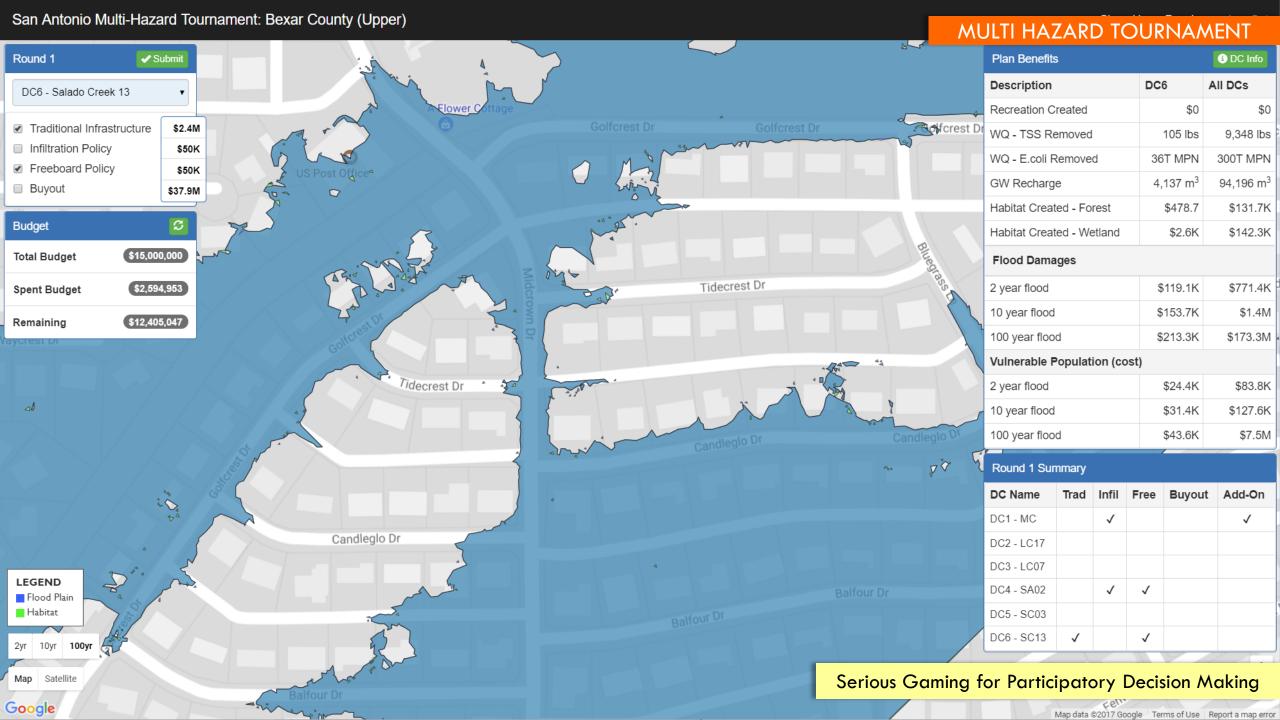


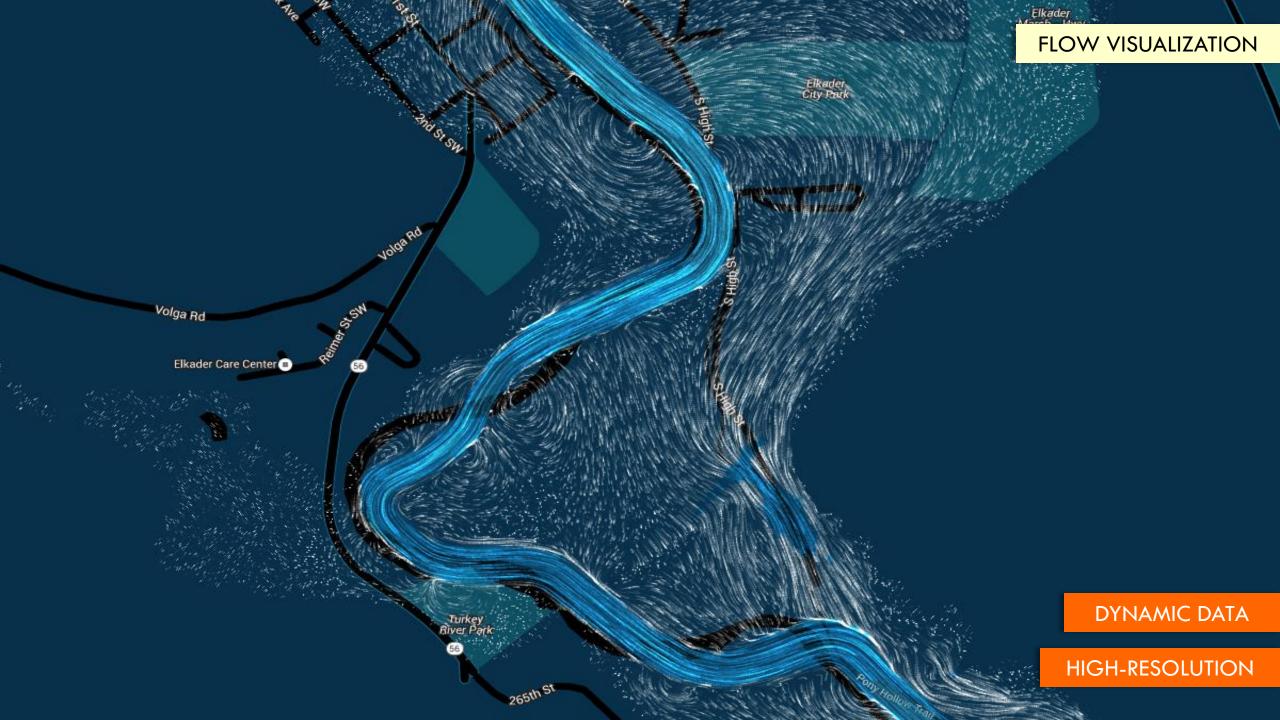


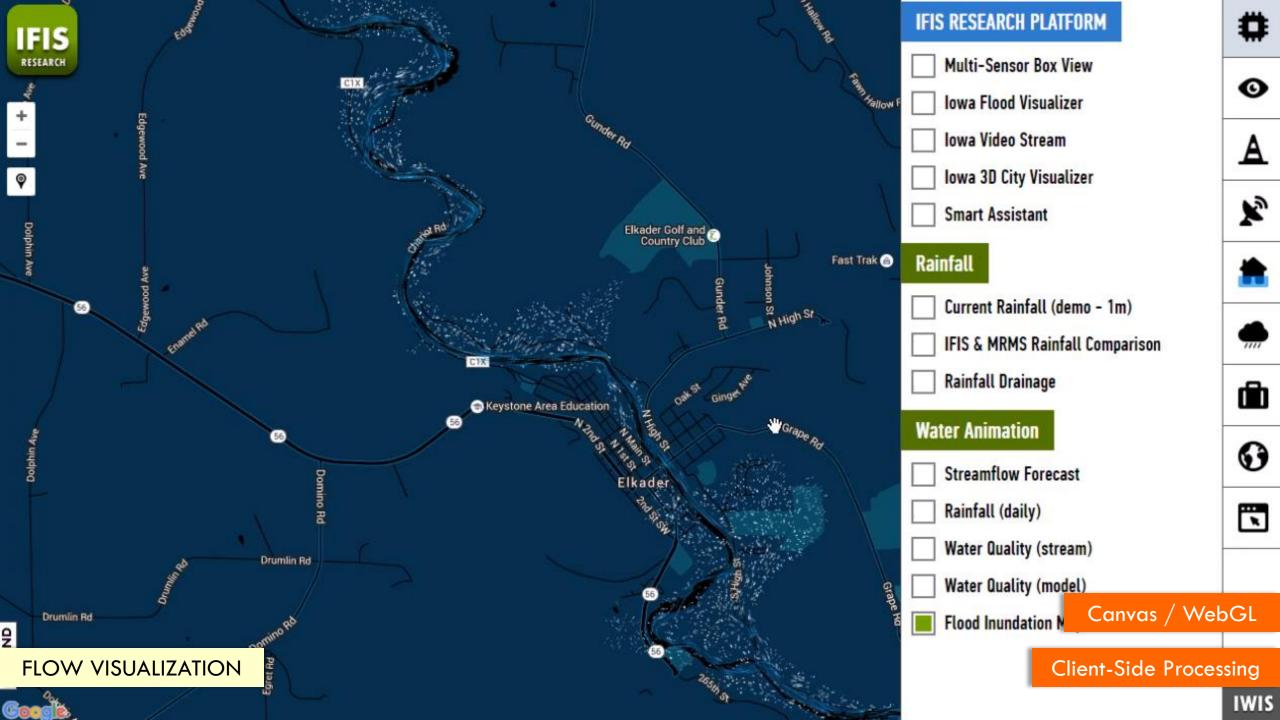
Scientific Visualization

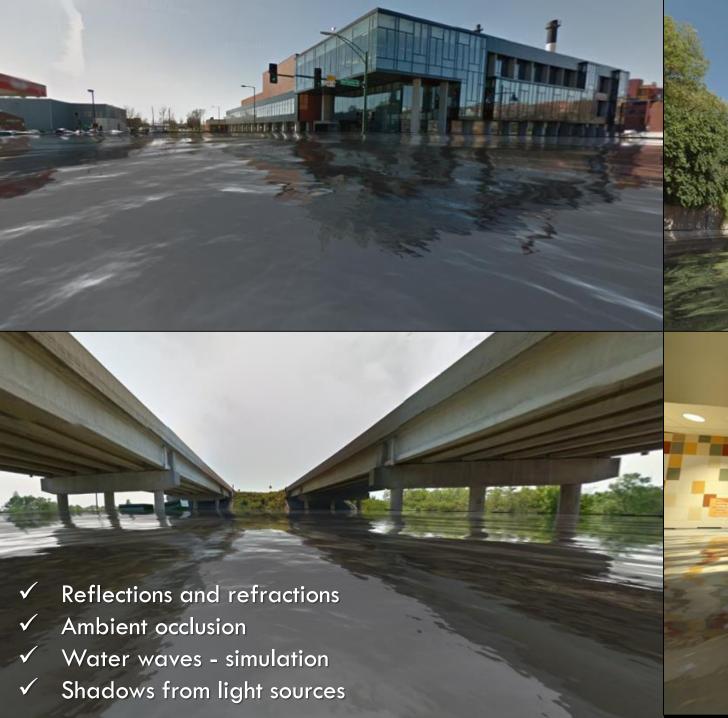
Serious Gaming

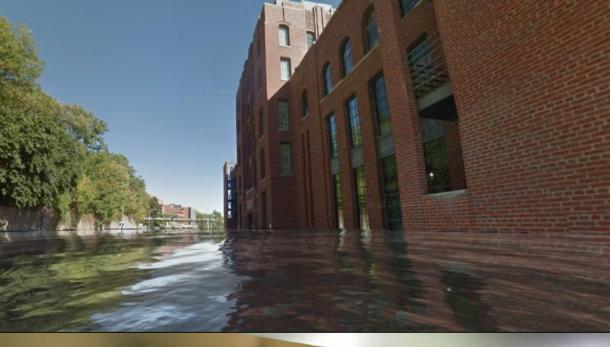




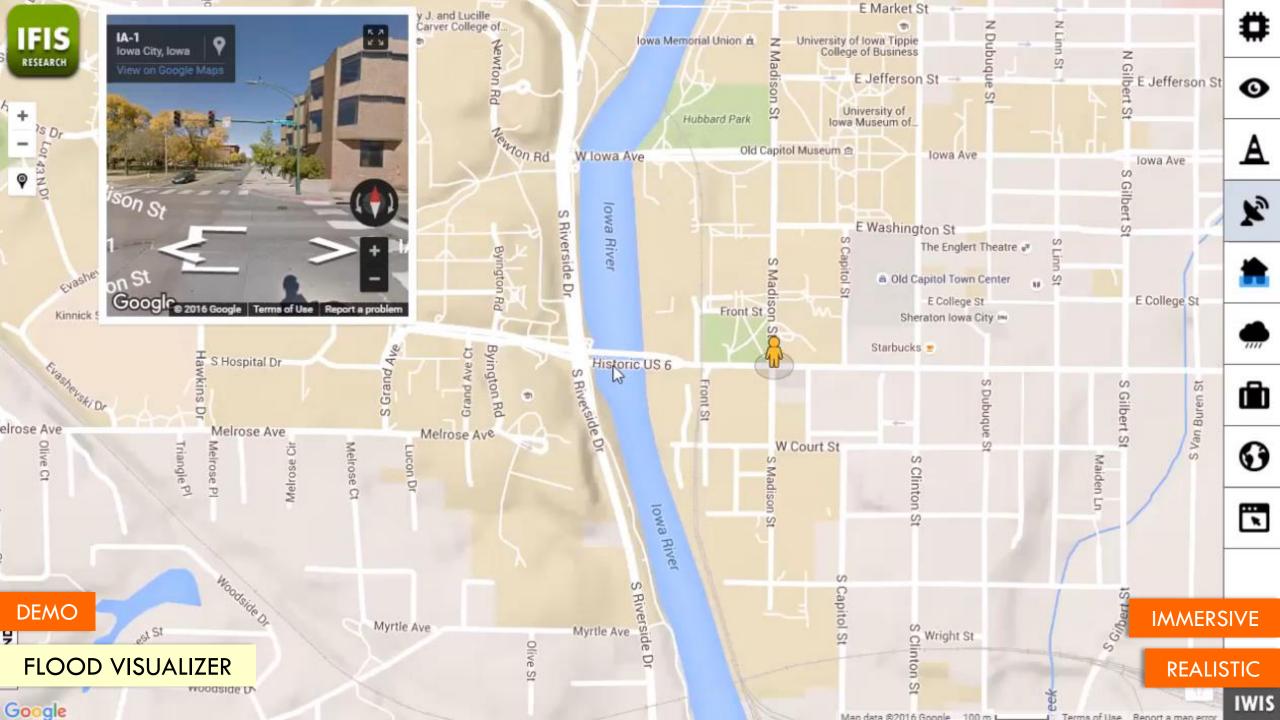










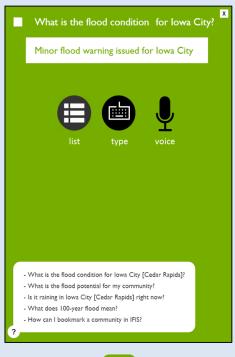


Intelligent Systems

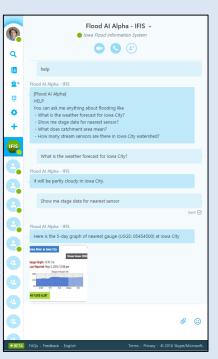
ML and Al

Flood Al: Artificial Intelligence System for Disasters

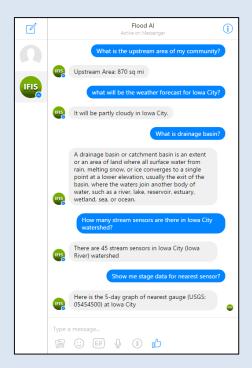
Supported by Microsoft 'AI for Earth' award Received "2018 Outreach Award" by ASFPM





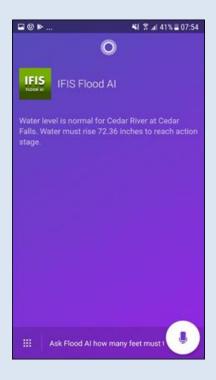


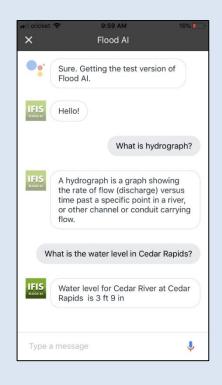


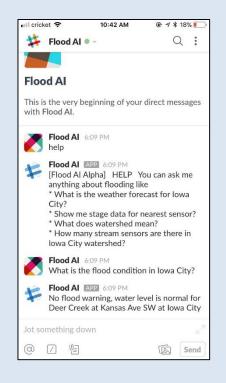




Flood AI: Artificial Intelligence System for Disasters











Amazon Echo
Alexa ask Flood AI ...



Google Home
Ok Google talk to Flood AI





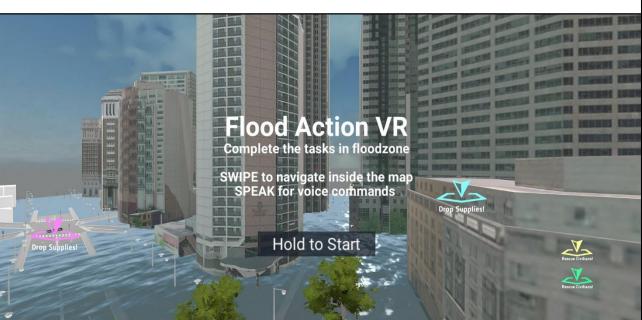




Next Generation Communication Holography



FLOOD ACTION VR







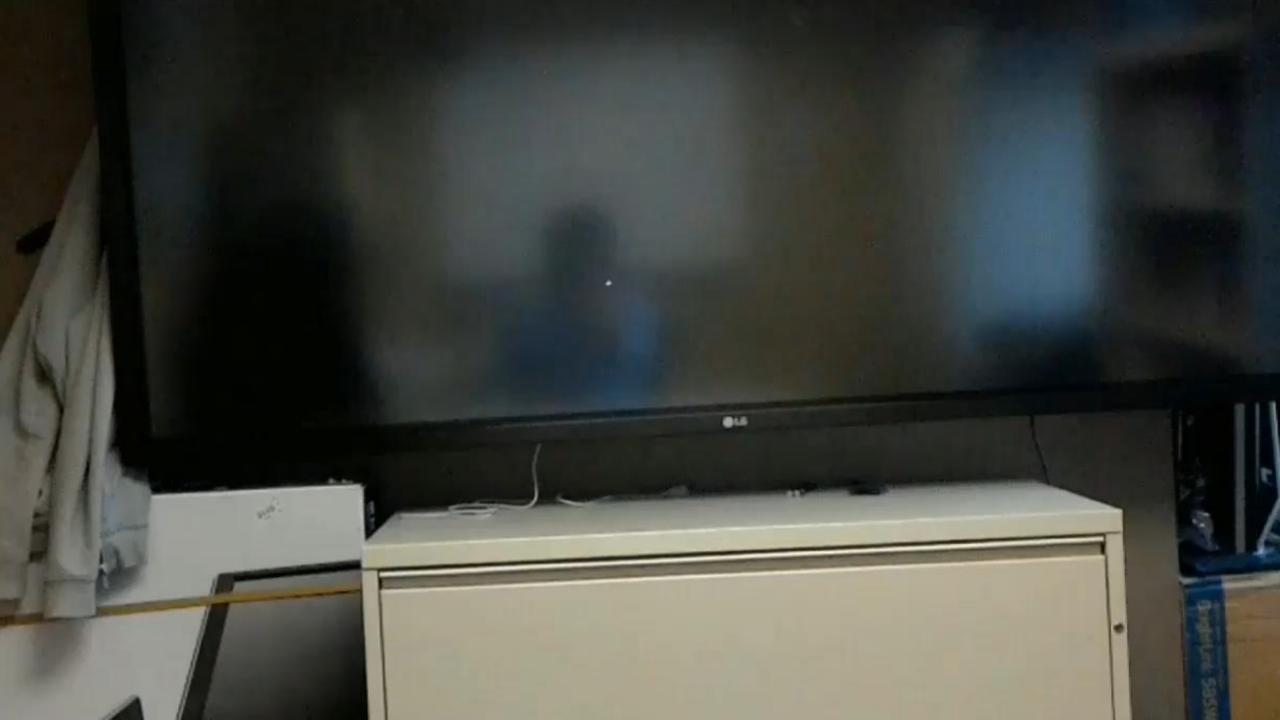




Immersive Analytics







What's Next?

What is next for Flood AI?

Brain Computer Interface

Many devices available (\$80-\$300)

e.g. Emotiv Epoc+

Bone Conduction Headphones

MindFlood

Flood Knowledge by Thought







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UI HYDROINFORMATICS LAB

