FLORIDA
FloodHub
FOR APPLIED RESEARCH AND INNOVATION

About the Flood Hub

The Florida Flood Hub for Applied Research and Innovation is the State of Florida's center for flood data. Created by statute and with base funding from the State of Florida, it serves as a premier thought leader on flooding research, helping Florida prepare for the reality of rising sea levels, stronger storms, and more extreme rainfall events. The Flood Hub is envisioned to be a one-stop-shop for all local, regional, and government agencies to incorporate flood planning as part of a long-term strategy for smarter infrastructure and policies that reflect Florida's risks. The Flood Hub, located at the University of South Florida's College of Marine Science on the St. Petersburg campus, will serve as a model for the nation.

The Flood Hub provides data products and technical guidance to:

- **Help ensure that Florida's infrastructure is built to last.** By leading best-in-class flood research, digital modeling, and data collection, the Flood Hub enables the use of up-to-date, future-oriented data across state agencies, Water Management Districts, and at all levels of government. Florida will create a blueprint for the nation on how a state should coordinate and advance flood planning.
- **Better protect lives and property.** By developing a statewide picture of all types of flood risk across inland and coastal communities, the Flood Hub helps decision makers to better plan in order to protect lives and property.
- **Prepare local communities for the future.** The Flood Hub significantly lowers the technical burden on local governments by providing the tools necessary to incorporate forward-looking flood data in municipal planning, ensuring communities are prepared for the future.

Florida's Flood Risk

Flooding comes in many forms and affects all Florida communities, from coastal to inland. To paint a picture of Florida's true flood risk, the Flood Hub looks at all types of flooding:

Rainfall Flooding

Heavy rainstorms can overwhelm stormwater systems and flood streets, sidewalks, and low-lying areas.

Sea Level Rise & Tidal Flooding

High tide flooding, also known as king tide or sunny-day flooding, can occur frequently in low-lying areas along the coast.

Riverine Flooding

Rivers can overflow their natural channels and impact adjacent properties.

Groundwater Flooding

Water within the ground can breach the surface due to heavy rain or as sea levels rise.

Storm Surge

Hurricanes and tropical storms can cause life-threatening amounts of water to rise along the coast.

Rising sea levels, stronger storms, extreme rainfall events lead to more frequent flooding and challenge our existing infrastructure and communities. The Flood Hub is leading pivotal research that will protect the lives, livelihoods, and property of Floridians.

For more information, contact:

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