

# FloodIQ: Raising Awareness Around Flooding Through Free Online Tools and Resources



Data Team: Sharai Lewis-Gruss, Jessica Chu, Neil Freeman, Steven McAlpine

# Who We Are

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## Engage

First Street engages people from every income strata, across the political spectrum, on the topic of sea level rise. We believe that honest conversations lead to action.



## Empower

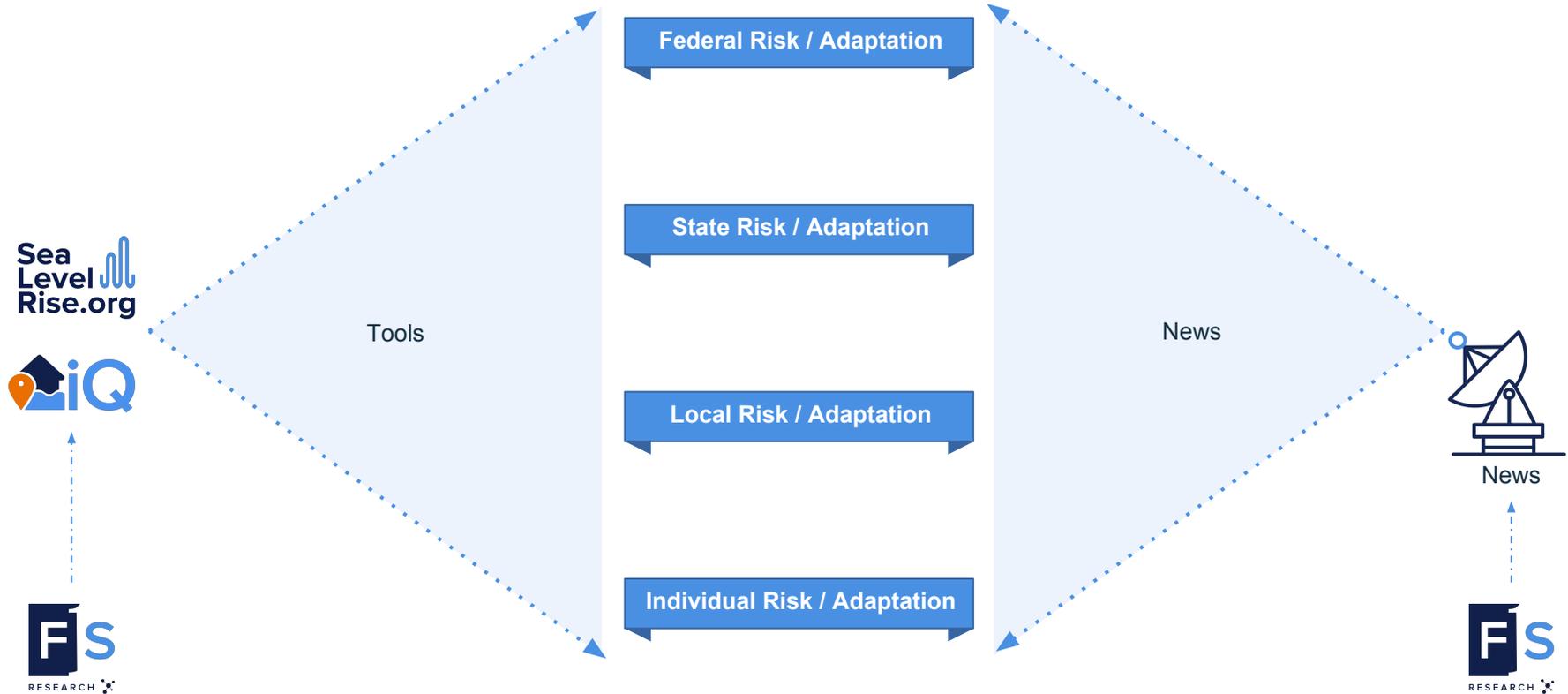
Our targeted communications initiatives are designed to promote full transparency and to empower those affected by rising sea levels.



## Inspire

First Street is a nonpartisan organization. Our sole priority is to mitigate the risk of sea level rise. We are individual experts looking to collectively inform and inspire.

# Our Organization Builds Understanding and Urgency for Adaptation Solutions



## Sea Level Rise Is Costing States

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South Carolina is Spending Over \$2 Billion on Solutions to SLR

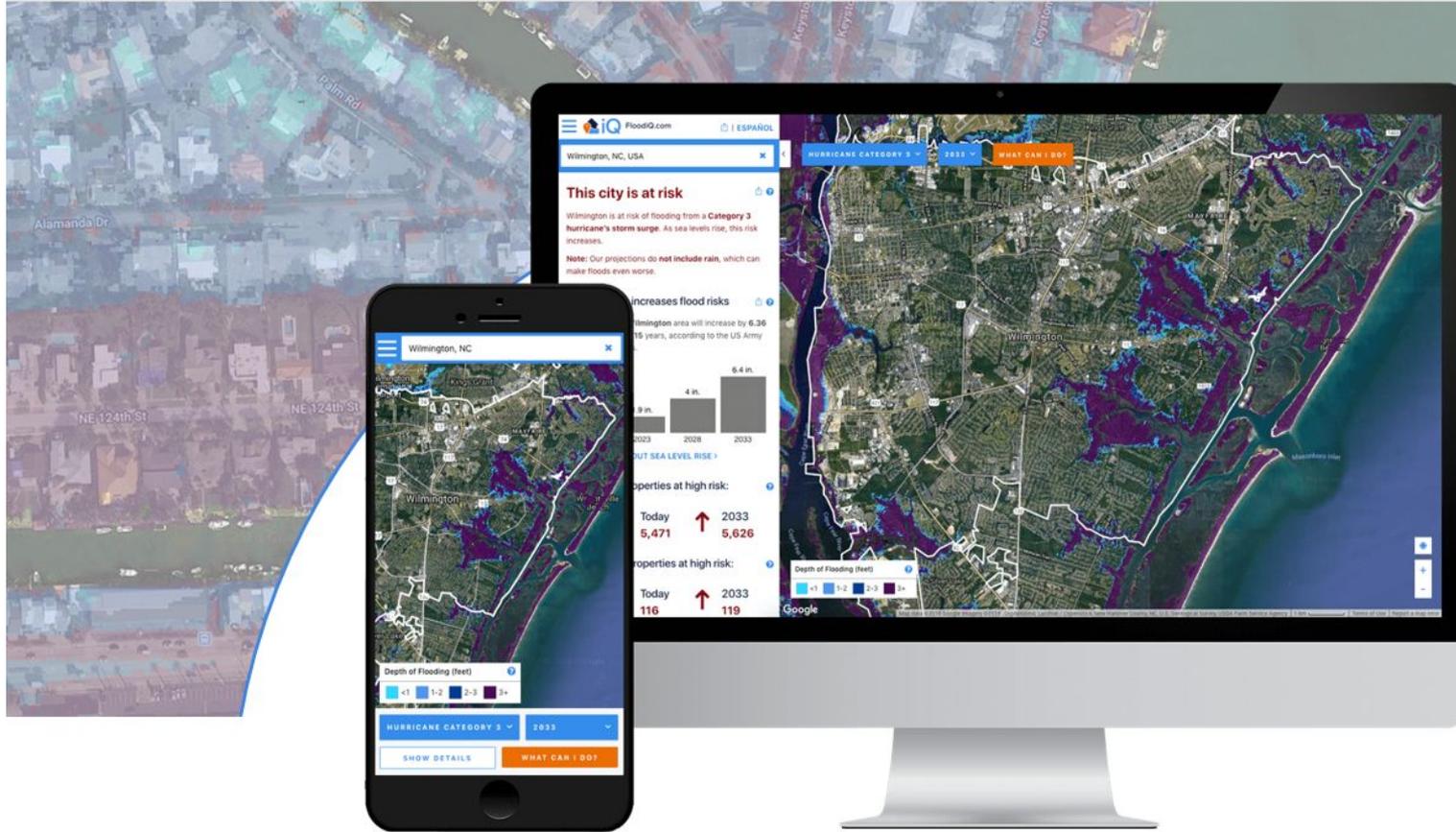
1. \$25 million plan for 11% of Mount Pleasant's area
2. Hilton Head spends over \$20 million on beach renourishment

North Carolina is Looking at Long Term SLR Solutions Costing Over \$2 Billion

1. Highway 12 in Buxton, Hatteras & Ocracoke need \$300 million
2. 14 miles of Outer Banks beach renourishment over 50 years will cost \$1.6 Billion

### Total property value loss caused by flooding, 2005-2017:

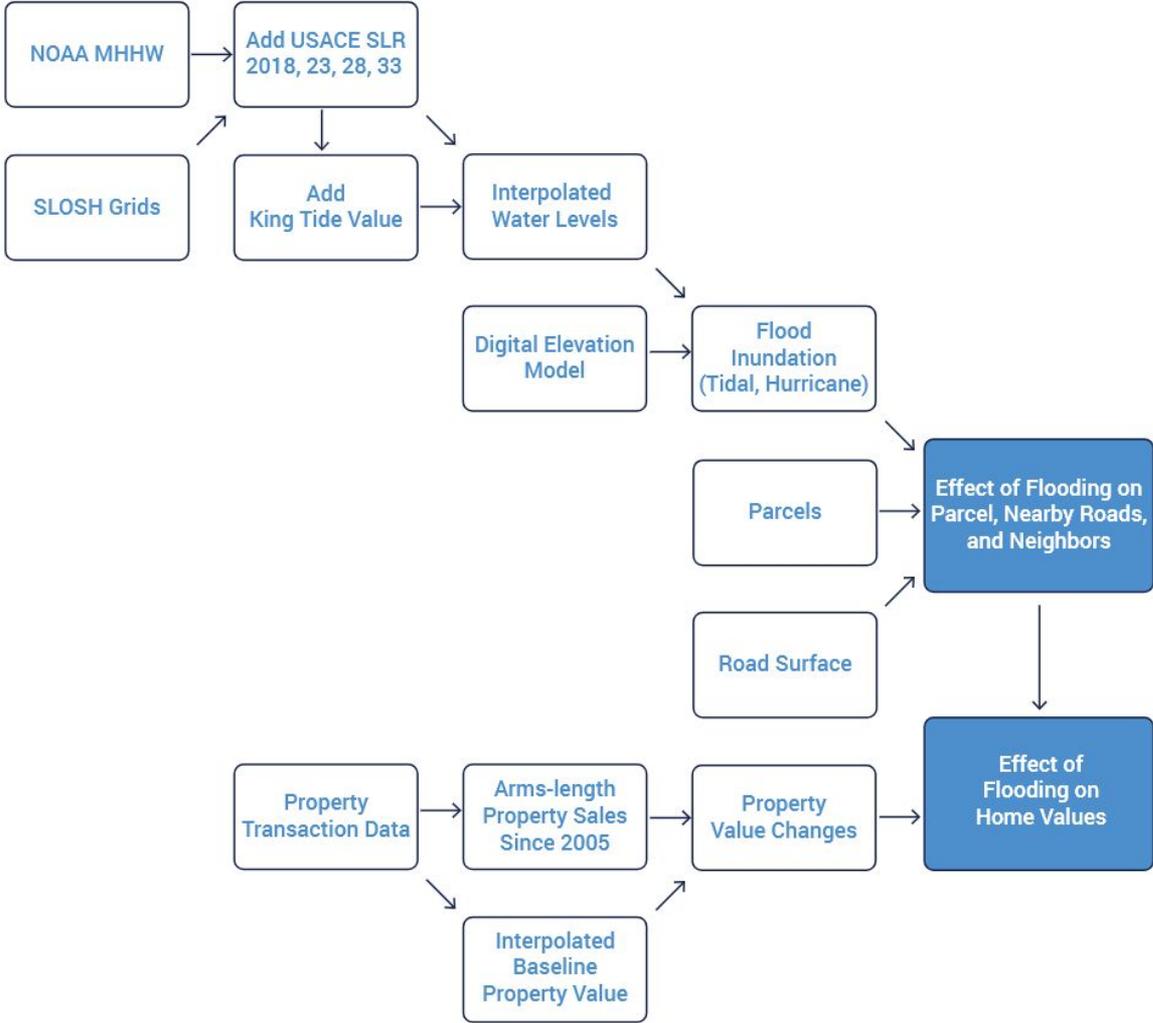




FloodiQ.com Visualizing your personal risk of flooding now and up to 15 years in the future



# Inputs to FloodiQ



# Validating Our Inundation Models



# Where Can It Take Us Next



# First Street Data Team

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Thank you!