

# Candidate Recommendation

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**What:** water! Hurricane Harvey and Florence have shown the importance of cascading hazards related to water: the interactions between flash flooding, river flooding, storm surge and currents and waves.

**How:** intensive modeling and data collection before, during, and after coastal storm events. I would propose that the hub could participate in a field campaign (similar to what is done in NASA and NOAA) during the hurricane season so that resources could be concentrated in effected areas. The big difference would be that NSF would care about the social impacts and vulnerable populations. High resolution data collection is key e.g. mobile radar, small disposable buoys in flooded areas, and citizen data collectors (photos, surveys, etc)

**Who:** Combining resources with other agencies, multi-institutional, real community engagement, and citizen science

What is your specific\* recommendation?

(\* Don't be abstract, general, or try to do too much in your recommendations. Try to be specific, actionable, stand alone)

Why is it valuable?

Who does it impact? How? How will the world be better? Who are the stakeholders and who will you partner with to make it stronger?

What's the reasoning or supporting evidence behind it?

Evidence based, fact based, Takes into context current research (hasn't already been tried and failed). How will you validate success? How is it grounded in existing scholarship? Why do this now, above all the other things we could do?