

C.H.A.R.M.



TEXAS COASTAL
WATERSHED
PROGRAM

The Community, Health, and Resources Management (CHARM) application helps decision makers gather input and educate the public about the what-ifs of long term growth and planning. Workshop participants

collaborate over a live table-top interface and explore a library of mapping data to plan hypothetical growth scenarios for their community. Real time feedback allows participants to see the consequences of their planning decisions. The planning support tool encourages collaborative problem solving, and no GIS experience is needed for stakeholders to participate in a CHARM workshop.

How many homes are vulnerable to flooding? Surges? In 20 years? Where?

What if development were higher density here, and lower there?

How does this impact the water quality of the Bay?

Where on the coast should we encourage development? Avoid it?

What new demand for city resources will we see in 10 years? 20 years?



The Coastal CHARM Program is a Texas A&M University program that seeks to bring the power of scenario planning and mapping to communities around the Gulf dealing with coastal hazards, sustainability and resiliency. CHARM was developed with funding from the US EPA Gulf of Mexico Program Office and NOAA's National Sea Grant Program.

<http://cwp.tamu.edu/CHARM>

