CHARM
Scenario Planning Anytime, Anywhere

CHARM is a Texas A&M public participation tool designed to support planning-level projects and help communities be more sustainable and resilient. Teams and stakeholders come together with the full power of GIS technology to explore how communities, hazards, and the environment impact each other.

http://tcwp.tamu.edu/charm/

50+ CHARTS
Scenario outputs are updated live using over 50 charts and graphs to illustrate changes.

2.5 ACRES GRID
Users interact with CHARM's 2.5 acre grid, that summarizes 24 land-based characteristics and over 40 scenario-based attributes.

10+ Assumptions
CHARM has the ability to modify certain assumptions about housing, the environment, and costs.

24 PAINTS
Users build scenarios using a paint of over two dozen development styles representing a range of land development patterns and uses.

8 INTERACTIVE MAPPING LAYERS
CHARM looks up to mapping layers from federal, state, and regional agencies to inform impacts.

200 INDICATORS
CHARM tracks over 200 scenario-based indicators about changes and impacts in a community, from habitats to resource use to critical facilities.

CUSTOMIZABLE
CHARM uses CommunityViz, an open framework modeling system—no black box. All map, paints, indicators, and charts can be adjusted or changed to fit local project needs.

COLLABORATIVE
The CHARM platform is at its heart a collaborative platform, designed to foster dialogue by giving teams the power to explore data and what-if scenarios.

WORKSHOP PLATFORM
Scenario outputs are updated live using over 50 charts and graphs to illustrate changes.