

# TOOLS SELECTION

---

---

---

---

---

---

---

---

### What is a Tool?

- Documented guidance – how do I do this?
- Data portal – get the information I need
- An interaction device - civic engagement to get the feedback I need
- Model – represent this process
- Decision support system – integrate many data and models to represent a system

---

---

---

---

---

---

---

---

### Roles for Tools

The complexity of this work cannot be accomplished without them

- Gathering & managing information
- Conducting advanced spatial analyses and modeling
- Scenario “what if” testing
- Visualization
- Facilitating work across sectors and ecosystems

---

---

---

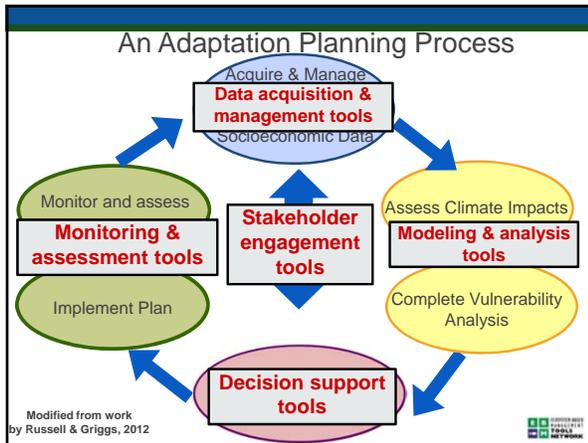
---

---

---

---

---




---

---

---

---

---

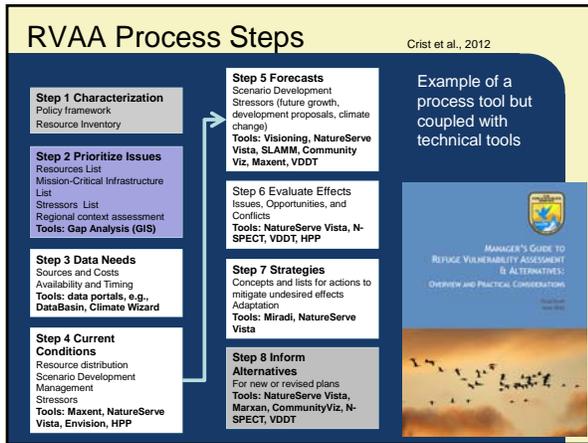
---

---

---

---

---




---

---

---

---

---

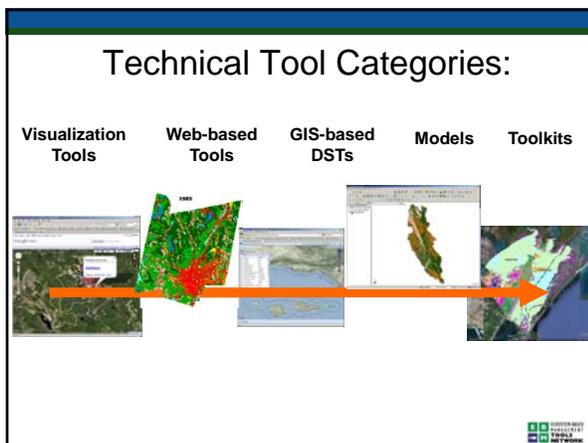
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

### Web-based Tools

**SLR and Coastal Flooding Impact Viewer**  
(NOAA CSC)  
Geographic Focus: National

**Coastal Resilience**  
(The Nature Conservancy & Partners)  
Geographic Focus: Regional/Local (LIS, GOM, Florida Keys, Ventura area in CA)

**Climate Wizard**  
(TNC, U. Washington, U. So. Mississippi)  
Geographic Focus: US/Global

---

---

---

---

---

---

---

---

### Pros & Cons of Web-Based Tools

**Pros**

- Easy to start: its all been done for you
- Usually easy to use: good interfaces and limited options

**Cons**

- Often limited to pre-run packaged analyses
- Usually limited to its data, can't integrate local data
- Often can't readily save and download data and your results for further work

---

---

---

---

---

---

---

---



## Challenges in choosing & using tools

Complicated & confusing to find the right tool



Require considerable capacity, learning more than a few tools is hard!

Integrating information & results across tools can be challenging




---

---

---

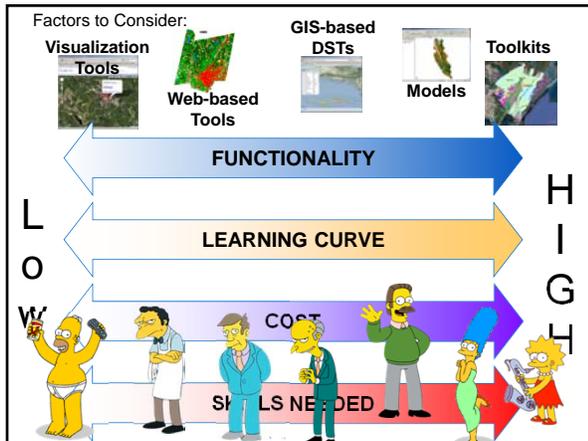
---

---

---

---

---




---

---

---

---

---

---

---

---

## For the Serious DIY: Toolkits

- Planning projects have diverse needs and issues
- Generally not a single, one-size-fits-all tool available
- Still, there are many tools that can address parts of your needs, SO...



I built my toolkit in just one weekend!

Linking groups of tools through an interactive process gives the flexibility to address an almost unlimited number of issues, with existing tools.




---

---

---

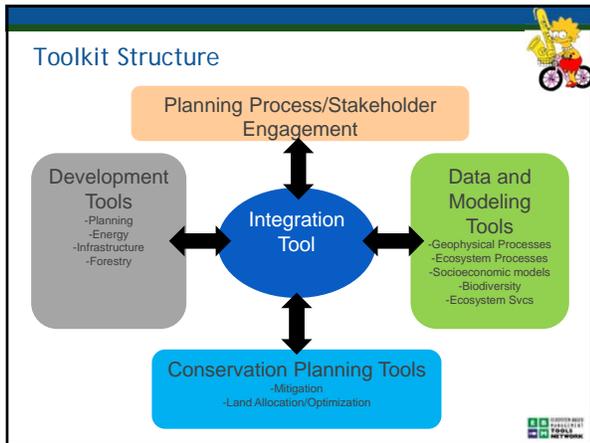
---

---

---

---

---




---

---

---

---

---

---

---

---

**Integrated Planning for Resilient Communities**  
Berkeley-Charleston-Dorchester, SC

**Function:**  
Supports integrated hazard- and ecosystem-based land use planning

**Integrated Land-Sea Planning Toolkit**  
Mission-Aransas NERR, TX

**Function:**  
DST to assess the effects of urbanization on water quality and biodiversity

**Refuge Vulnerability Assessment Toolkit**  
VA, NV, CA

**Function:**  
Cumulative effects assessment for wildlife refuges and evaluate management scenarios

---

---

---

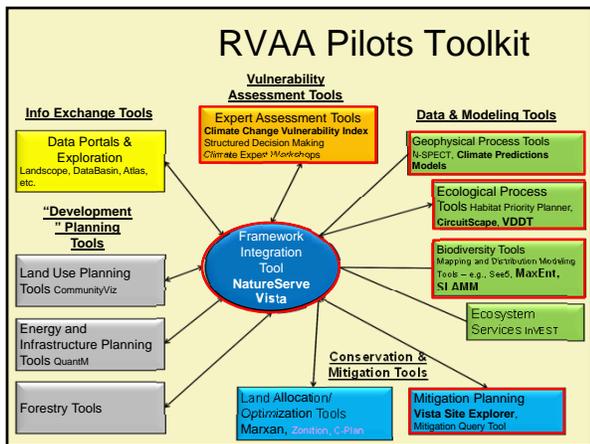
---

---

---

---

---




---

---

---

---

---

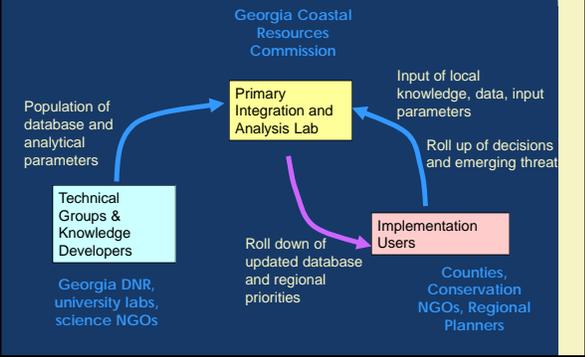
---

---

---

## How to integrate tools & users into a network

### Georgia coastal region example (proposed)



---

---

---

---

---

---

---

---

## Tool Resources

 [ebmtools.org](http://ebmtools.org)

 <http://www.csc.noaa.gov/digitalcoast/>

 **Climate Tools Matrix**

 **Climate Tools Decision Guide (Coming in 2013)**

---

---

---

---

---

---

---

---