

Template for Assessing Climate Change Impacts and Management Options

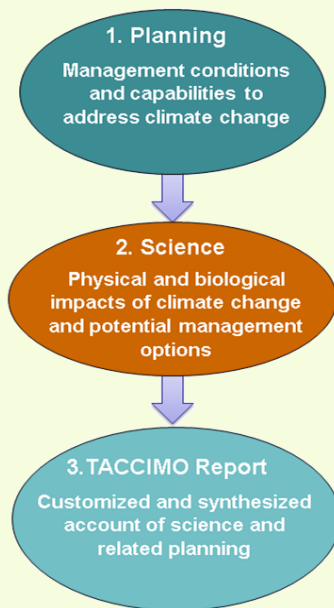


A USDA Forest Service Partnership
 Southern Global Change Program :: Southern Region Planning
www.forestthreats.org/taccimo

Contact: Steve McNulty smcnulty@fs.fed.us
 Emrys Treasure etreasure@fs.fed.us

Overview

- The Template for Assessing Climate Change Impacts and Management Options (TACCIMO) is a web-based tool that substantively connects (1) planning and (2) science through a (3) report generation service.
- TACCIMO provides land owners, managers, and planners with the most current climate change science available.
- The primary function is to facilitate the review of climate change forecasts, factors impacting ecosystems, management options, and create an optional report to aid planning and management.



Product Development

- Interface used to evaluate climate change factors impacting ecosystems, management options, and links to forest planning
- TACCIMO Version 1.0 available in 2010

Web Development

- Objective: a web based information interface
- Text reporting and geospatial functionality
- Linkages to online models
- Interactive user experience
- Website creates an exportable report
- Platform tracks user feedback

Database Development

- Comprehensive and easily updated database containing science based climate change impacts and management options
- Database of USFS land and resource management plan components to provide current condition and management capability context

Connecting With Users

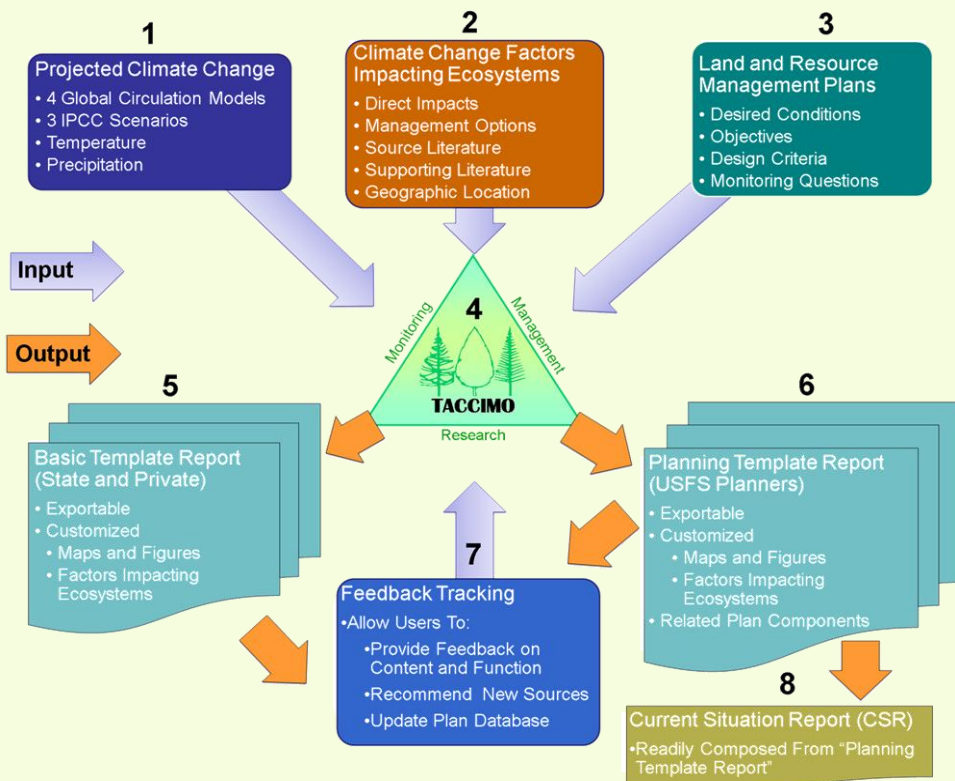
- TACCIMO is developed with engaged customers: (1) USFS planners and forest managers, (2) state and private partners, and (3) other parties interested in climate change as it relates to forest management

Report Generation

- Exportable report containing climate change projections, direct impacts, and management options
- Climate change projections will include maps, model projections, and figures generated from user defined selections
- Prioritized threats and management options will be reported as literature quotations (with citation)
- Forest Service planners can include forest plan components linked to climate change impacts and management options

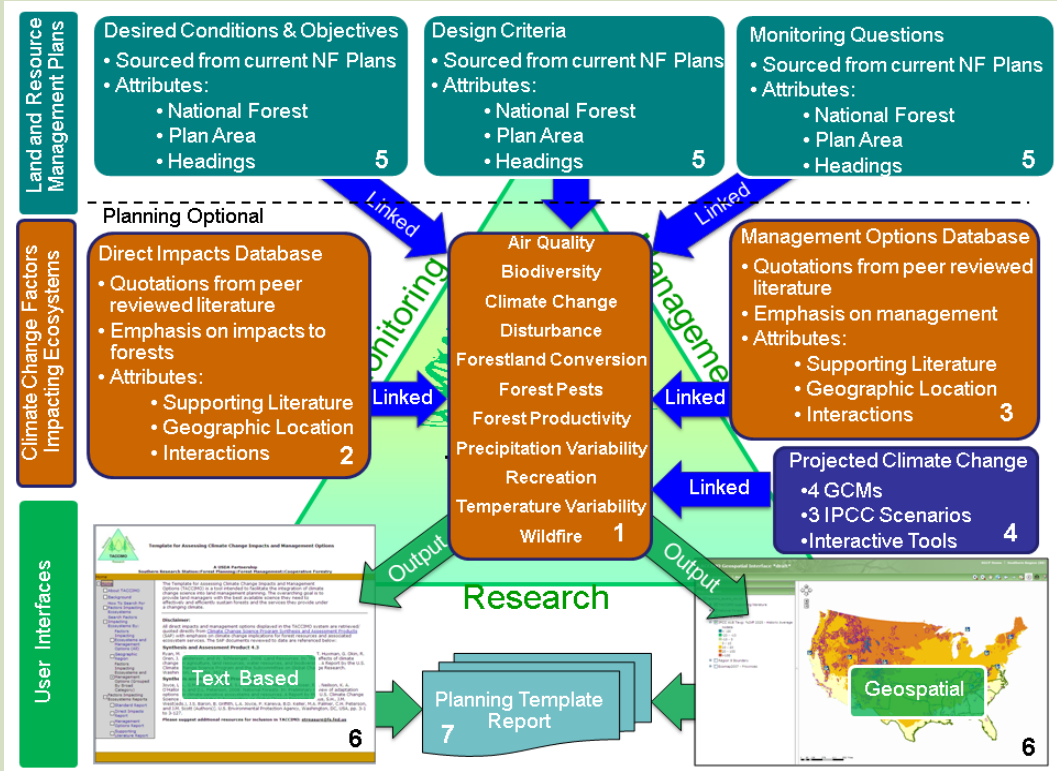
TACCIMO Inputs & Outputs

- The TACCIMO inputs are projected climate change (1), literature review derived impacts and management options (2), and USFS land and resource management plans (3).
- The web-based interface (4) uses a relational database to synthesize inputs based on user selections to generate reports (see back for further detail).
- USFS forest planners will be able to readily construct a *Current Situation Report* (8) from the *Planning Template Report* (6), a necessary component of the Land and Resource Management Plan revision process.
- State and private users will focus mainly on forecasts and impacts (5). Feedback tracking will ensure completeness of information and usefulness of functionalities (7).

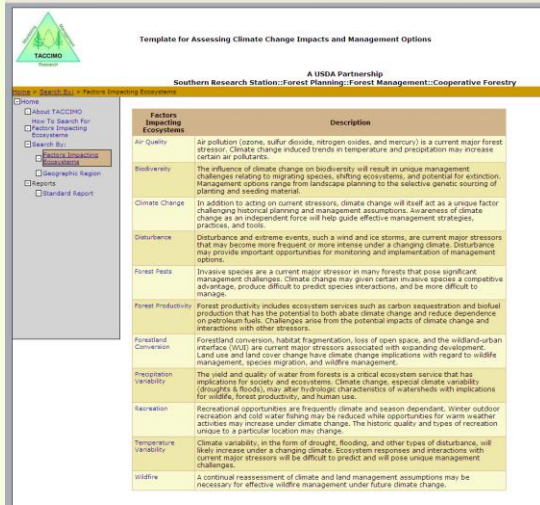


TACCIMO Parts and Process in Detail

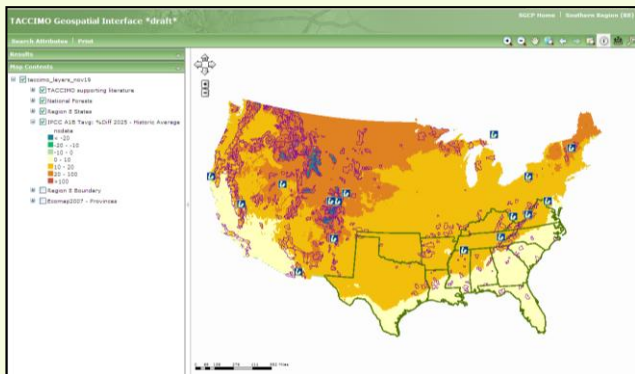
- The *User Interface* (6) will guide users through the TACCIMO report generation process.
- The process will begin with selecting *factors impacting ecosystems* (1) relevant to management focus.
- An interactions matrix will ensure that related factors will not be missed.
- Users will identify relevant *direct impacts* (2) and *management options* (3) through geographic and subject matter filters. Content can be prioritized based on multiple criteria (i.e., scope, severity, management opportunity, etc.).
- Next, users will explore geospatial content (4) and produce standard and custom maps, figures and tables.
- Finally, a report (7) can be generated to document selections, including supporting guidance from climate change experts.



Examples of TACCIMO Web Interface & Report



Screen capture of TACCIMO text Web application.



Screen capture of TACCIMO geospatial Web interface.



First page of example TACCIMO Report.