

Scenario Planning Model (SPM): Status Overview

Presentation to the Modeling Task Force

May 28, 2014



Outline

What is SPM

Data Repository and Exchange System
Land Use Scenario Creation and Editing
Co-benefit Analysis and Visualization

Primary Purposes

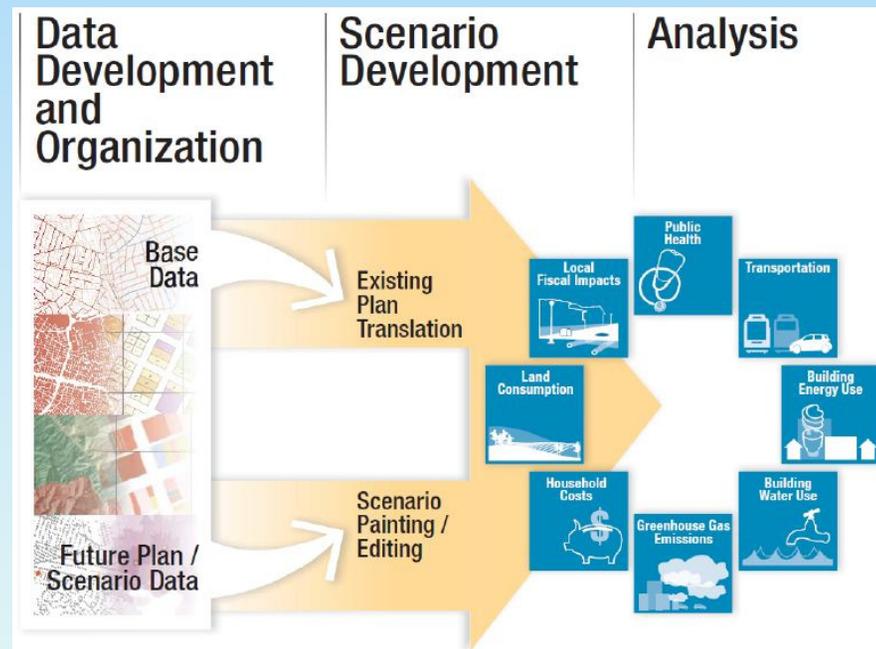
Current Model Specification

Development Efforts

Development Flow

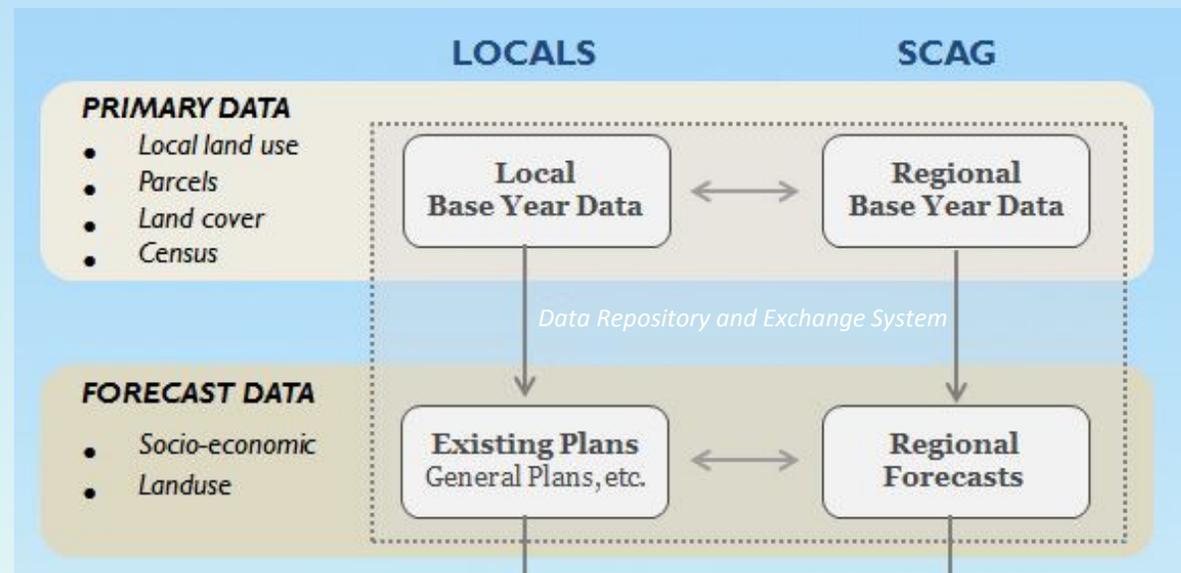
What is SPM?

- A comprehensive web-based land use sketch planning tool for data organization, scenario development and modeling.



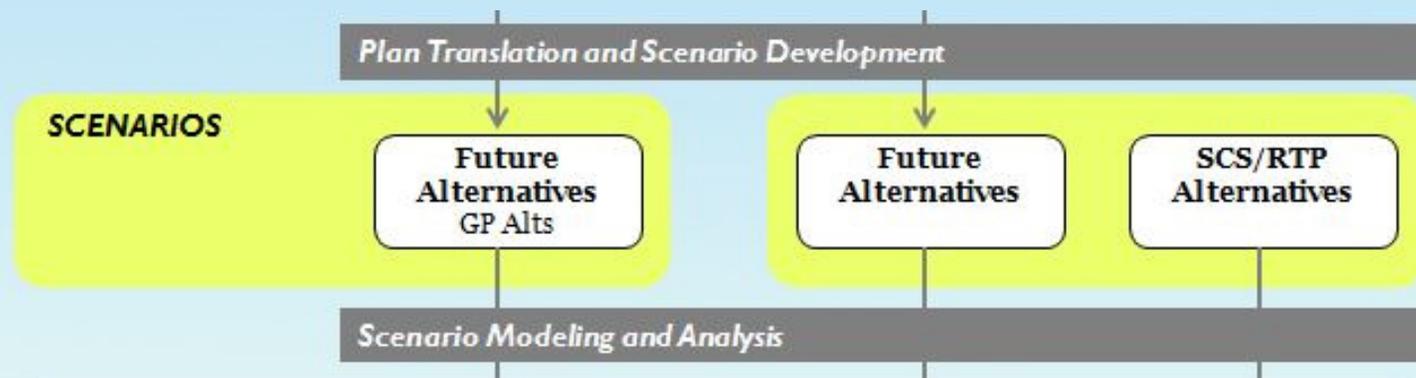
Data Repository and Exchange System

- A spatial data portal to provide local jurisdictions with easy access to SCAG's spatial data resources
- A platform to share, review, and update data between SCAG and local jurisdictions



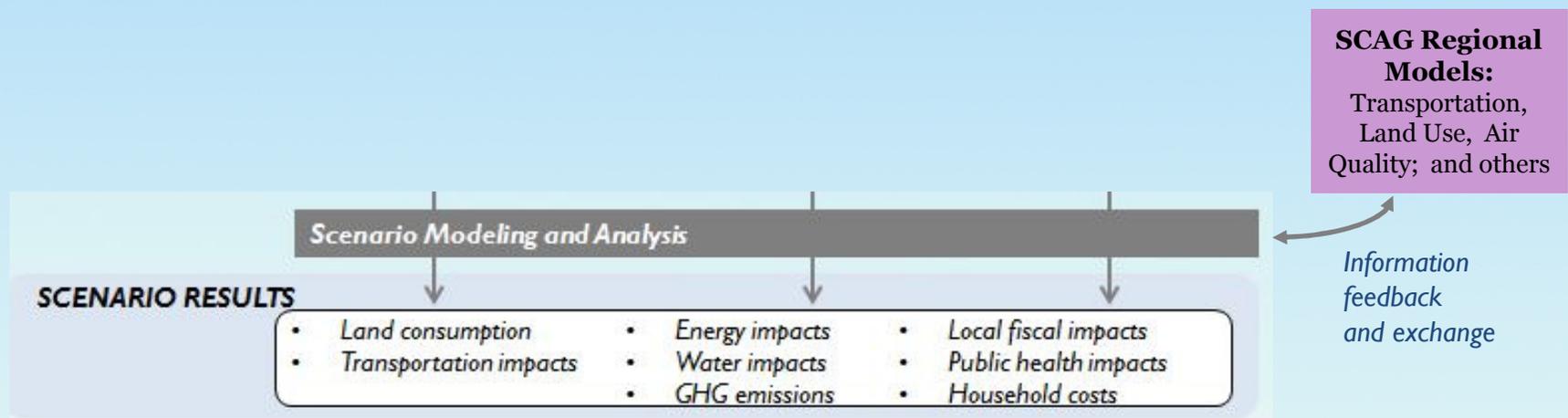
Land Use Scenario Creation and Editing

- A scenario planning tool with a capability that translates existing plans and scenarios into the model's common language of building/place types and facilitates scenario creation and editing



Co-Benefit Analysis and Visualization

- A sketch level analysis tool with full co-benefit analysis capacity that assesses the fiscal, environmental, transportation, public health, and community impacts of future scenarios.



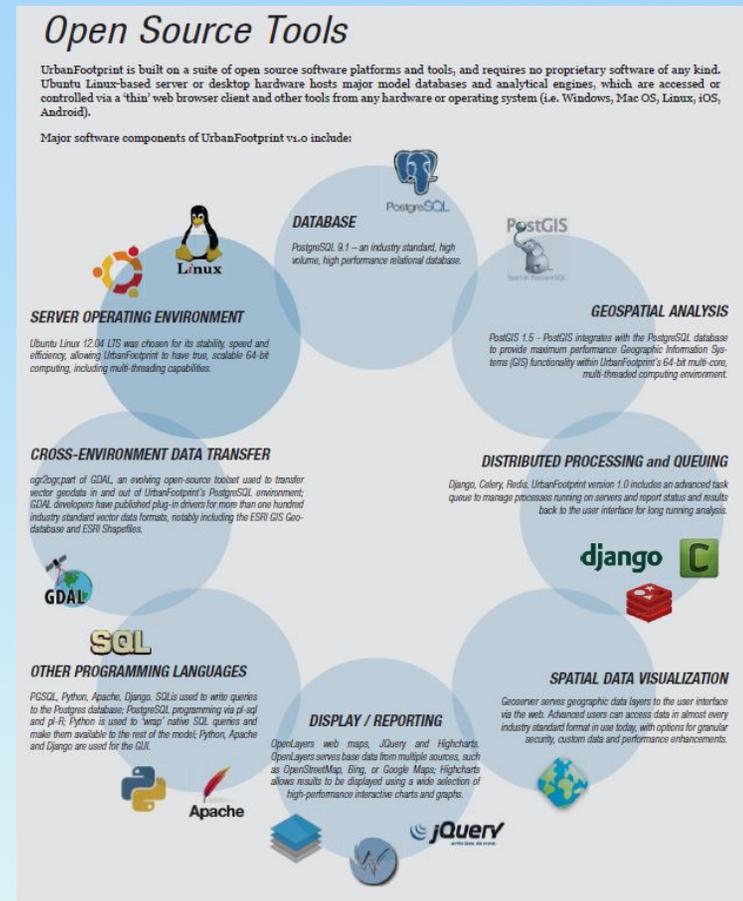
Primary Purposes

- Provide a common data framework within which local planning efforts can be easily integrated and synched with regional plans
- Facilitate informed decisions by providing better information about alternative futures
- Serve as a conduit between local jurisdictions and key SCAG models



Current Model Specification

- Built on 'UrbanFootprint (UF)' modeling platform developed by Calthorpe Associates
 - Web enabled
 - Open source
 - Full analytic engines
 - Modular and expandable



Development Efforts

- Coordinated multi-MPO efforts to enhance and customize the UF



Scenario Development and Modeling

- Data Prep and UF Base Creation
- Base Year/Primary Parcel Editing Tools
- Transition from Grid to Parcels
- User Interface Enhancements/Software Upgrades



Scenario Development and Modeling

- Data Prep and UF Base Creation
- SCS Alternative Development and Modeling
- User Interface Enhancements/Software Upgrades



Local Review and Scenario Modeling

- Data Prep and UF Base Creation
- Links to Local Governments
- Pilot for Local Input Process
- User Interface Enhancements/Software Upgrades



Development Flow

Summer 2013

Initial Phase

Establish and Test Regional – Local Data and Web Connections
Pilot Initial Iteration of Local Review Capability

Spring –Summer 2014

Local Review Advancement & Deployment

Local Data Review and Editing Advancement
Single City Advanced Pilot
SPM Working Group Pilot
Wider Roll-Out to Cities

Summer-Fall 2014 +

SCAG Regional Systems Set Up

Regional Data and Software Systems Setup
Internal/SCAG Use of Model in SCS Development Process

Fall 2014 and Beyond

SPM/UrbanFootprint Advancement

Scenario Capability Roll-Out and Analytical Engine Enhancements



For More Information

Visit SPM website at

<http://sp.scag.ca.gov>

or contact

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SCENARIO PLANNING MODEL



SOUTHERN CALIFORNIA
ASSOCIATION of GOVERNMENTS