SCAG Scenario Planning Model
Phase 1 Integration

UrbanFootprint

SCAG SPM External Working Group

21 August 2013

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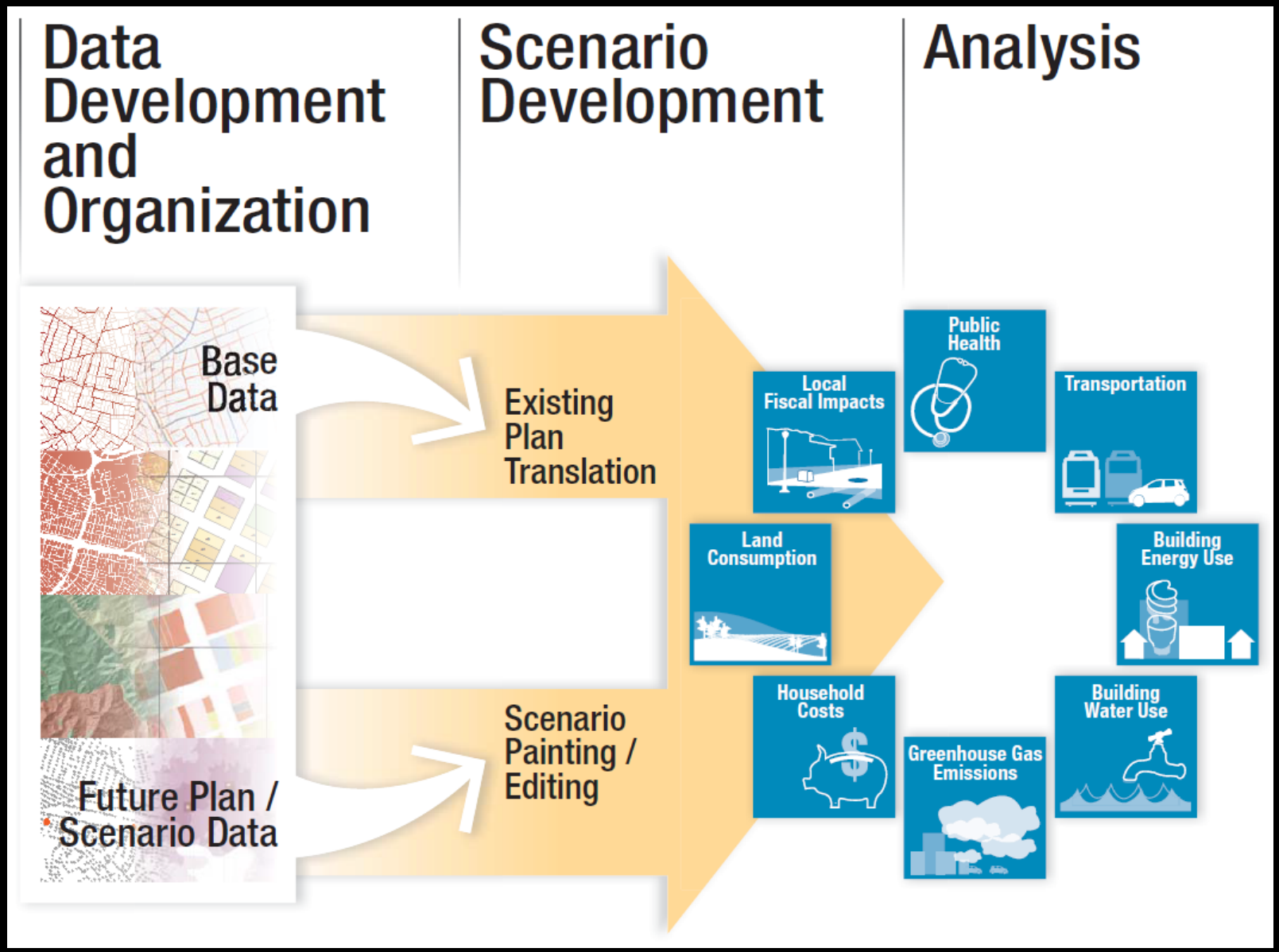
URBAN DESIGNERS, PLANNERS, ARCHITECTS

UrbanFootprint Scenario Ecosystem



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SPM Development Flow

Summer 2013

Pilot Phase

Establish and Test Regional – Local Data and Web Connections
Commenting and Select Editing Capability
Gather Input from External Working Group Cities/Counties
Focus on Usability, Stability, and Initial Access

Fall-Winter 2013-14

Initial Roll-Out Phase

Provide SPM Access to all SCAG Jurisdictions
Review of Land Use, GP, and Other Data
Commenting and Select Editing Capability
Continued Input Gathering and Usability Advancements

Winter-Spring 2013-14

SCS-Related Advancement

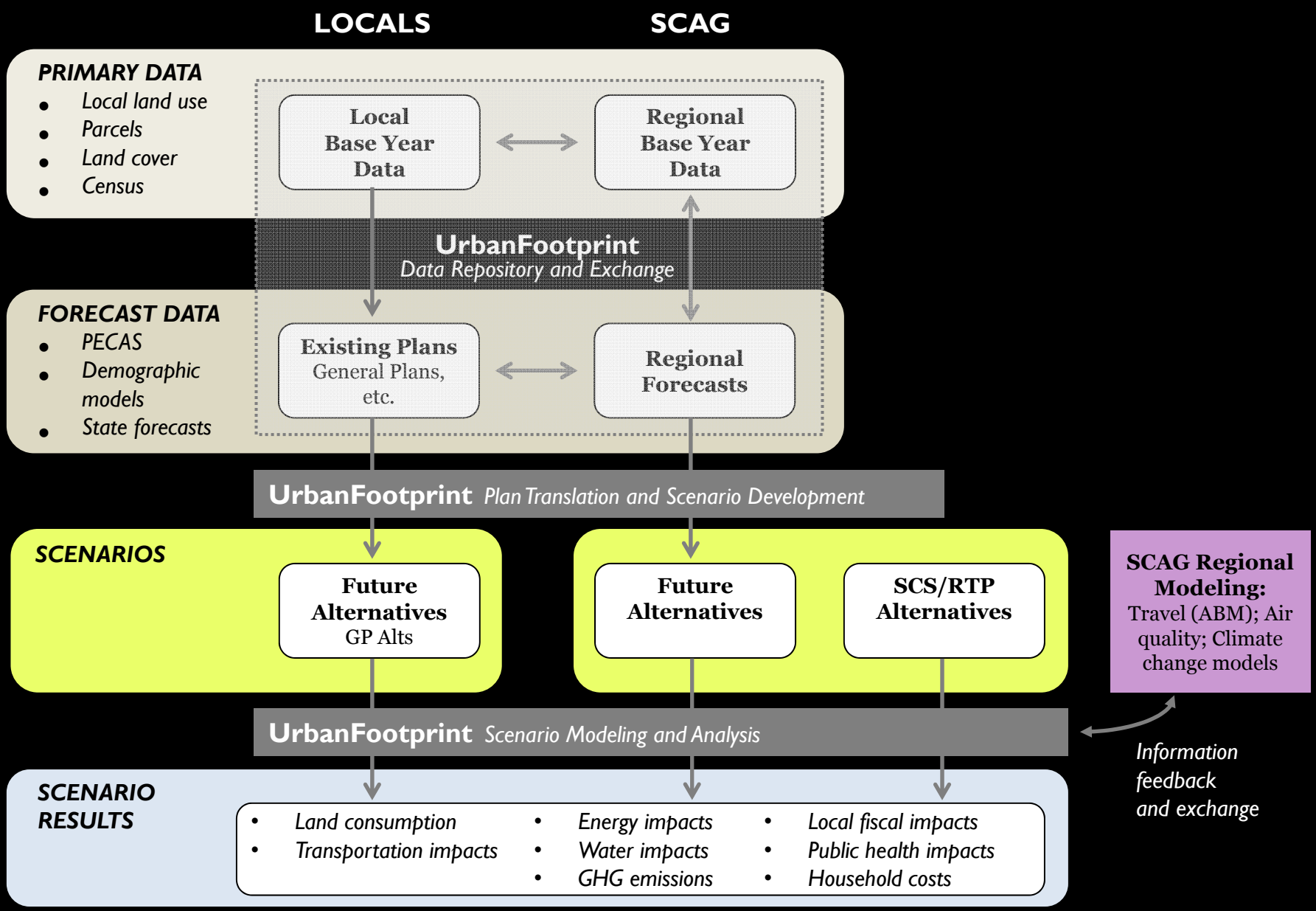
Regional Data and Analytical Systems Calibration and Setup
Expanded Local Data and Plan Review Capabilities

Summer-Fall 2014+

SPM/UrbanFootprint Scenario Development Functionality

Scenario Capability Roll-Out and Analytical Engine Enhancements

SCAG Scenario Planning Model



UrbanFootprint Projects

SACOG

Scenario Modeling Platform for 2016 RTP/SCS

- Base Year/Primary Parcel Editing Tools
- Transition from Grid to Parcels
- Rural Urban Connections (RUCS) Integration
- User Interface Enhancements/Software Upgrades

SANDAG

Scenario Modeling Platform for 2015 RTP/SCS

- Future Scenario Development Functionality
- SCS Alternative Development and Modeling
- User Interface Enhancements/Software Upgrades

SOUTHERN CALIFORNIA ASSOCIATION of GOVERNMENTS

Scenario Modeling Platform for 2016 RTP/SCS

- Links to Local Governments
- Use in Local Input Process
- Multi-User Access and Systems
- User Interface Enhancements/Software Upgrades

Version 1.1 Open Source Software Stack

UrbanFootprint

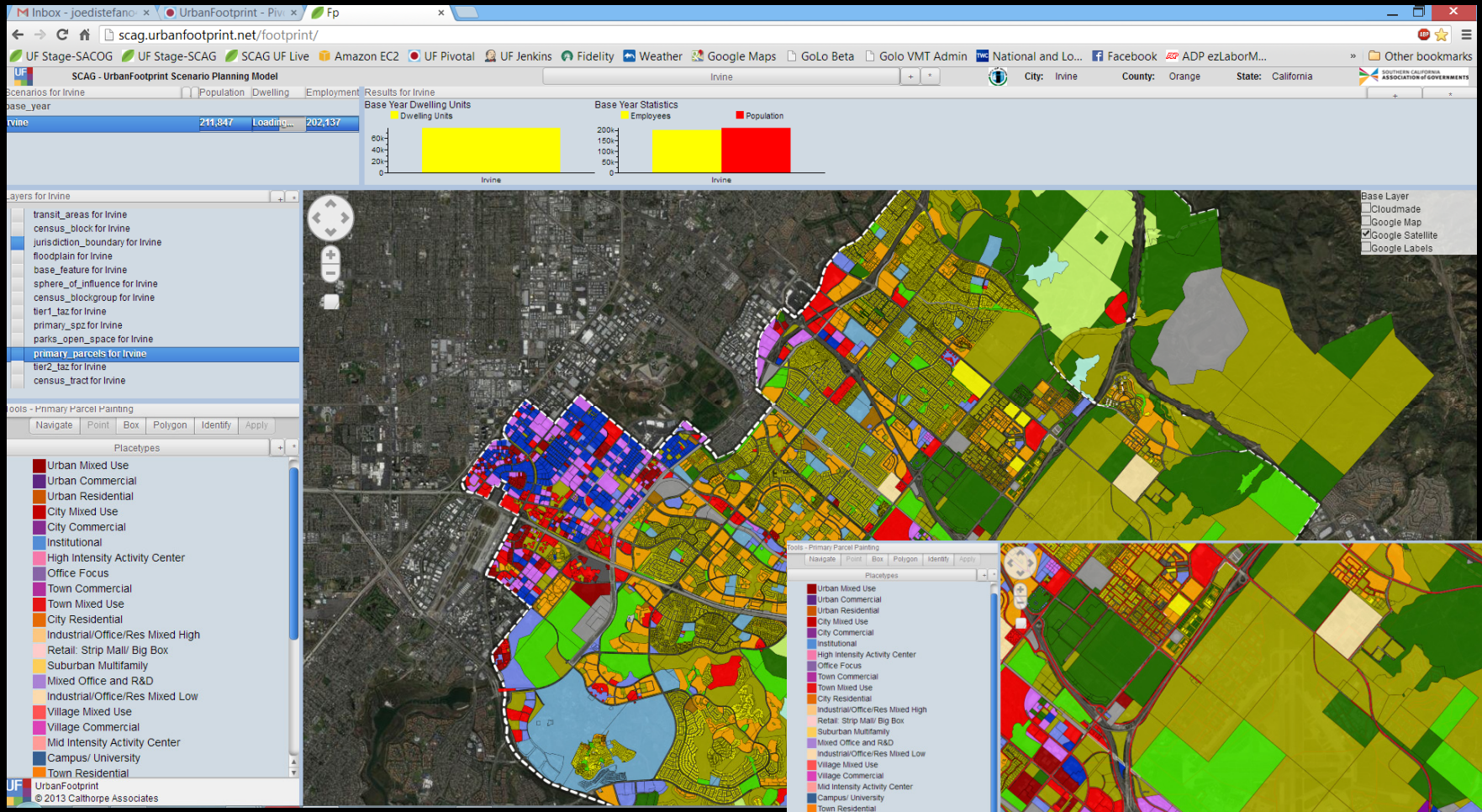
Mapping/Display
Polymaps
Mapnik
d3

Data Delivery & Queuing
Celery-Redis Queue
Tilestache

Database, Analysis, UI
SproutCore
Postgresql-PostGIS
Python – Django - Apache

Operating System
Ubuntu Linux

Web-Based User Interface



Cloud-Based
Web Interface

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