

THE FUTURE OF WATER MANAGEMENT

Patrick Atwater, Project Manager CaDC

THE CALIFORNIA DATA COLLABORATIVE

WATER MANAGERS WORKING TOGETHER TO PIONEER NEW DATA INFRASTRUCTURE

Leadership



Santa Margarita Water District

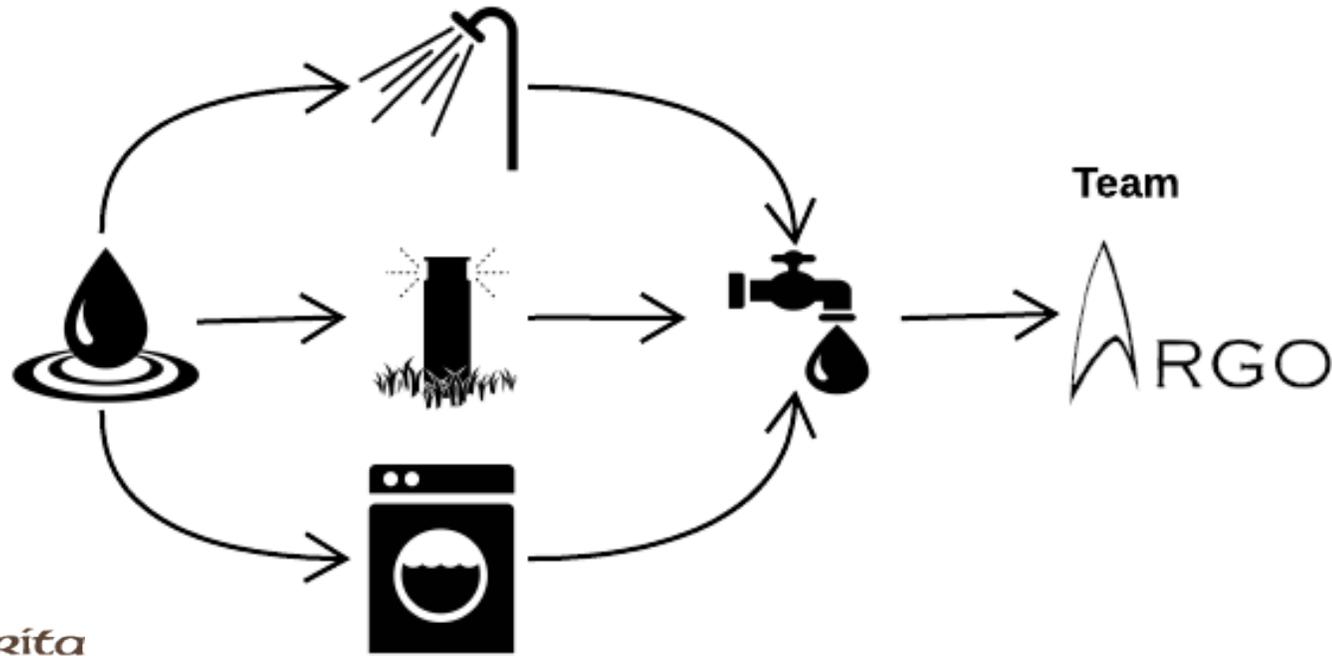


CALIFORNIA DATA COLLABORATIVE

Operations

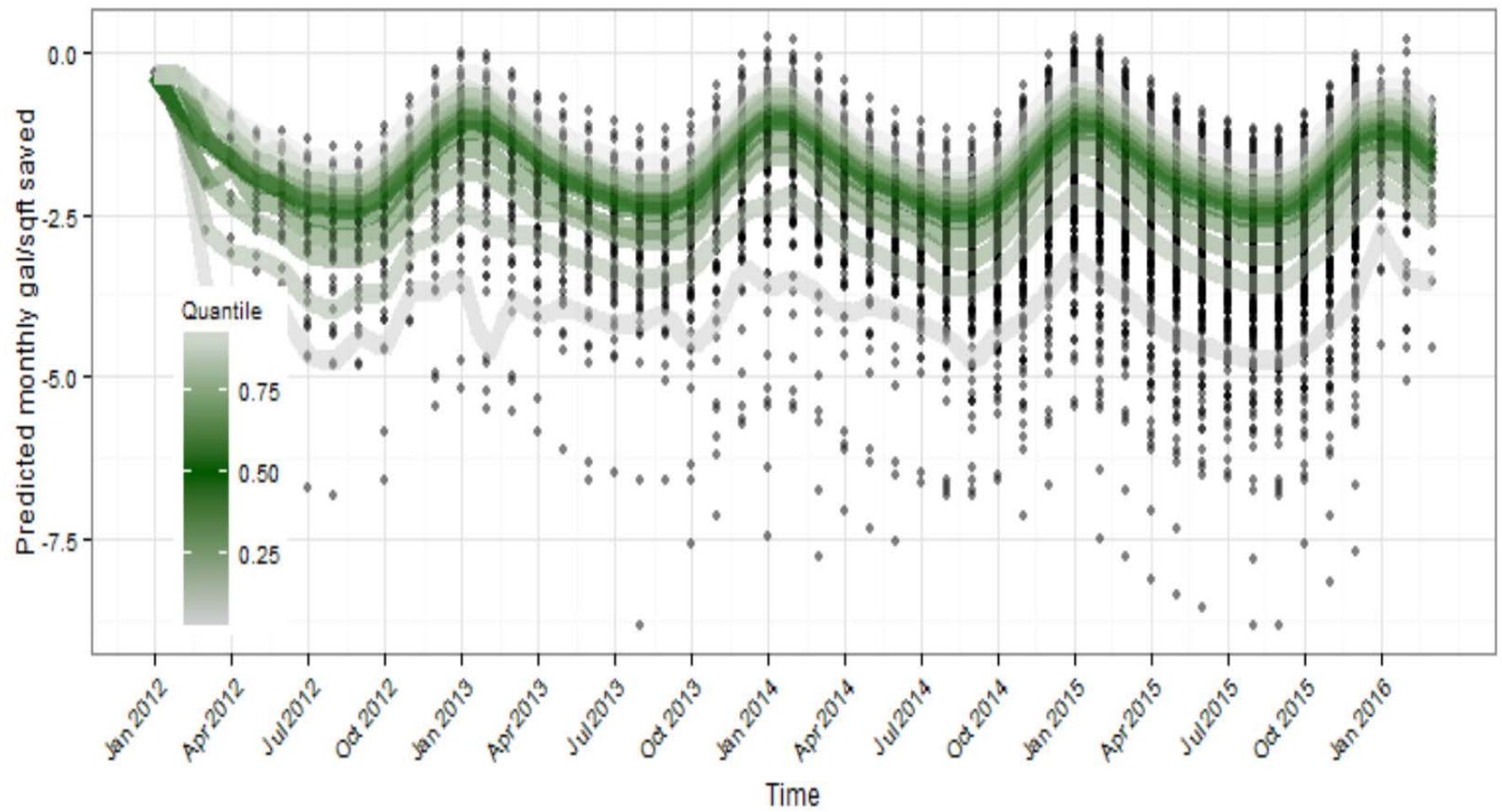
Centralize metered customer water use across utilities into a standardized format

Delivering water efficiency analytics to support water managers in meeting their reliability objectives



HOW MUCH WATER DID TURF REMOVAL SAVE?

Monthly predicted savings estimates show below



INFORMING STATEWIDE POLICY

CALIFORNIA DATA COLLABORATIVE

Instructions

Agency-Wide Efficiency Explorer

Neighborhood-Level Efficiency Explorer

Additional Tools

Scenario Builder

Agency: Moulton Niguel Water District
Residential Usage Target: 23653 acre-feet
Efficiency: 4971 acre-feet under target in this scenario



Date Range

Jul 2014 - Jun 2015

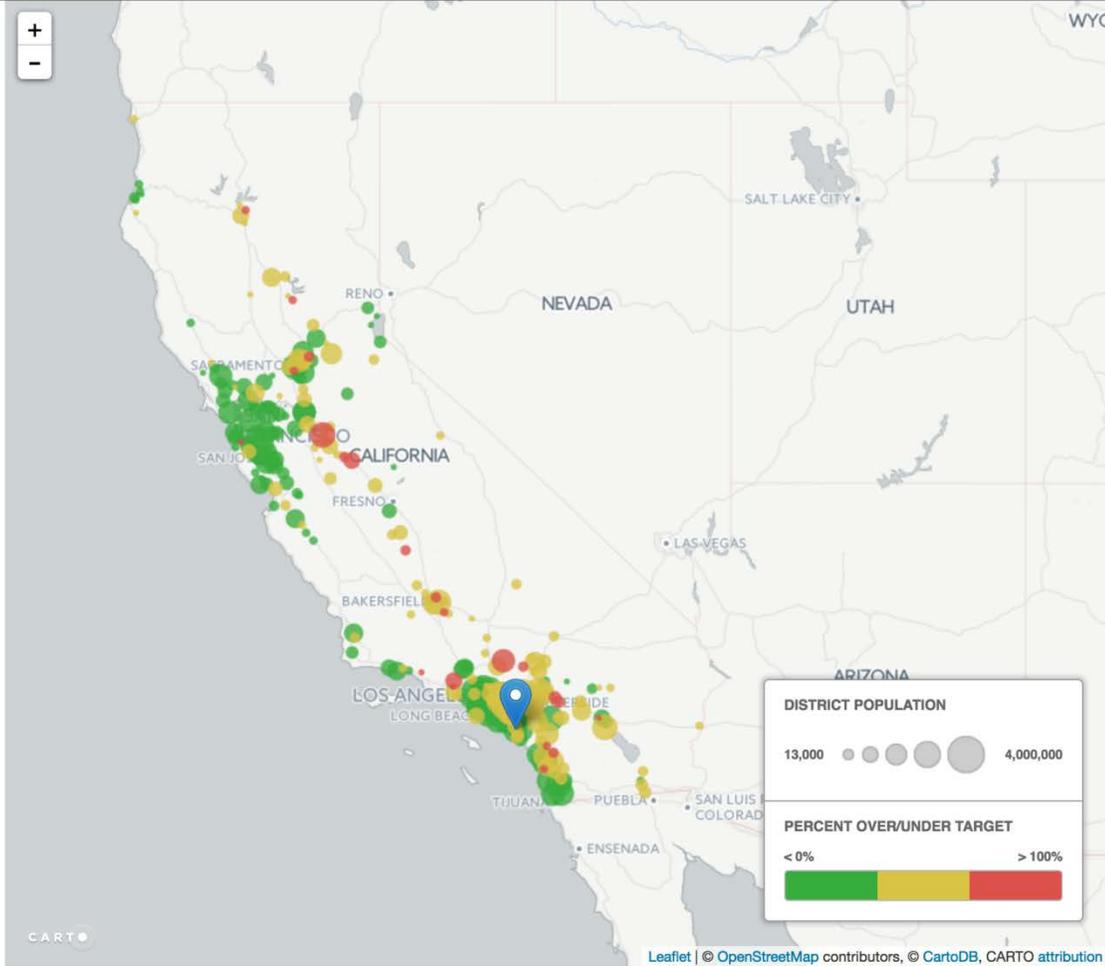


GPCD

55

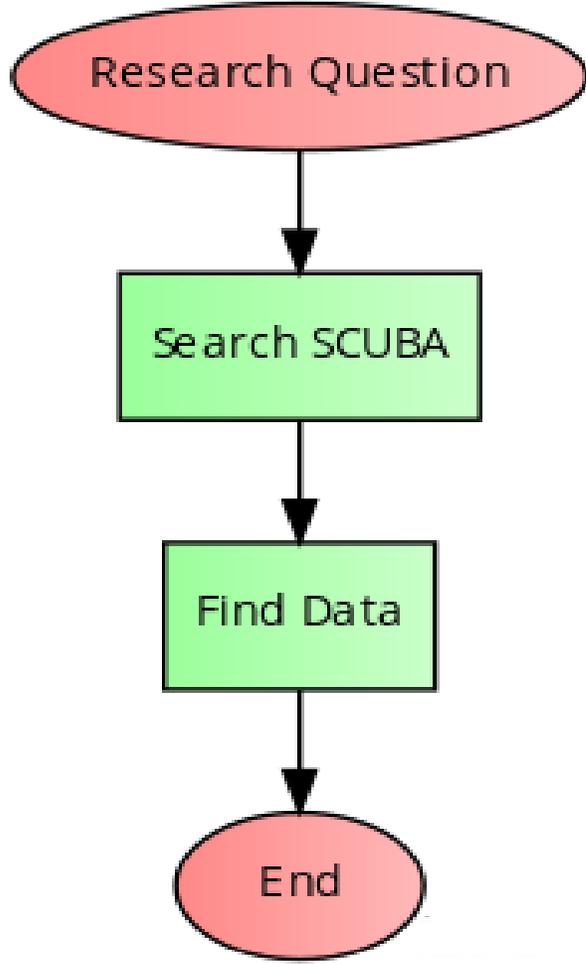
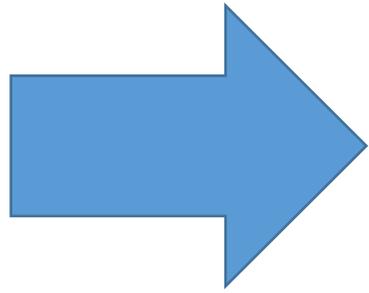
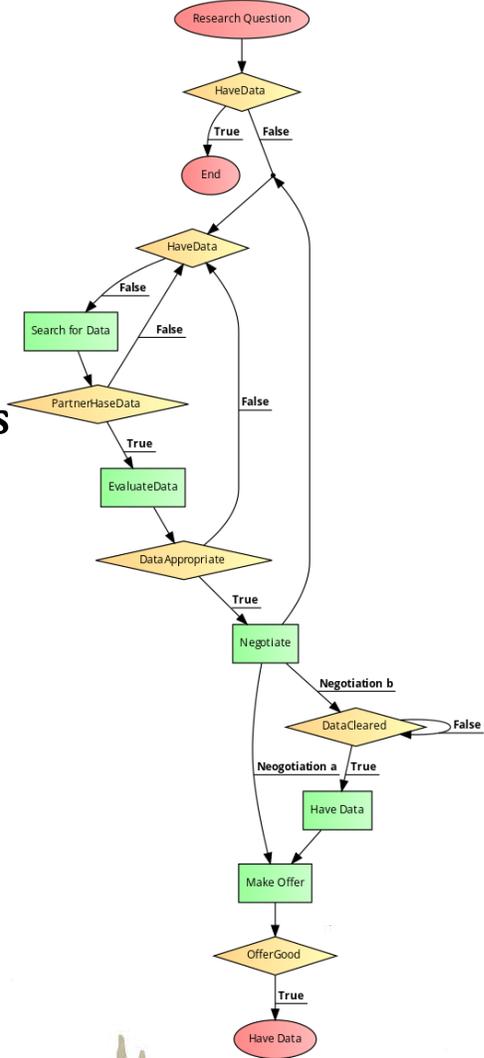
Plant Factor

0.8

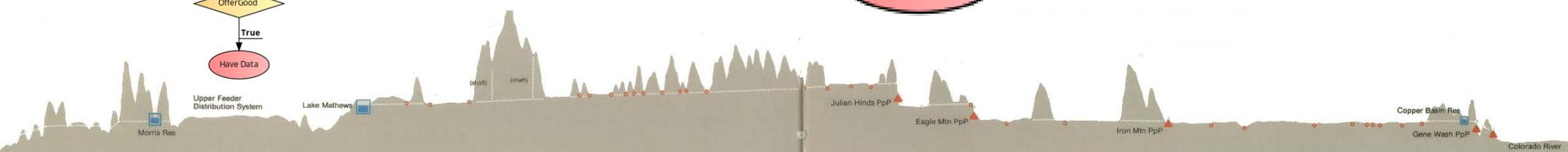


DATA INFRASTRUCTURE POWERING A “MARKETPLACE OF IDEAS”

Water data fragmented across 411 utilities



Integrated data infrastructure and secure differential privacy



THE PATH AHEAD

Jan 16

Dec 16

Launch

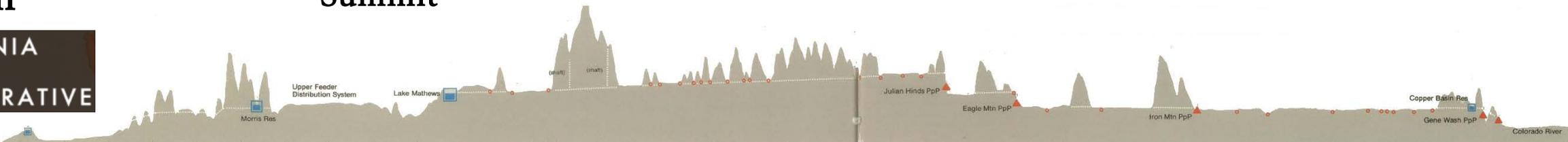
Stanford GSB
Summit

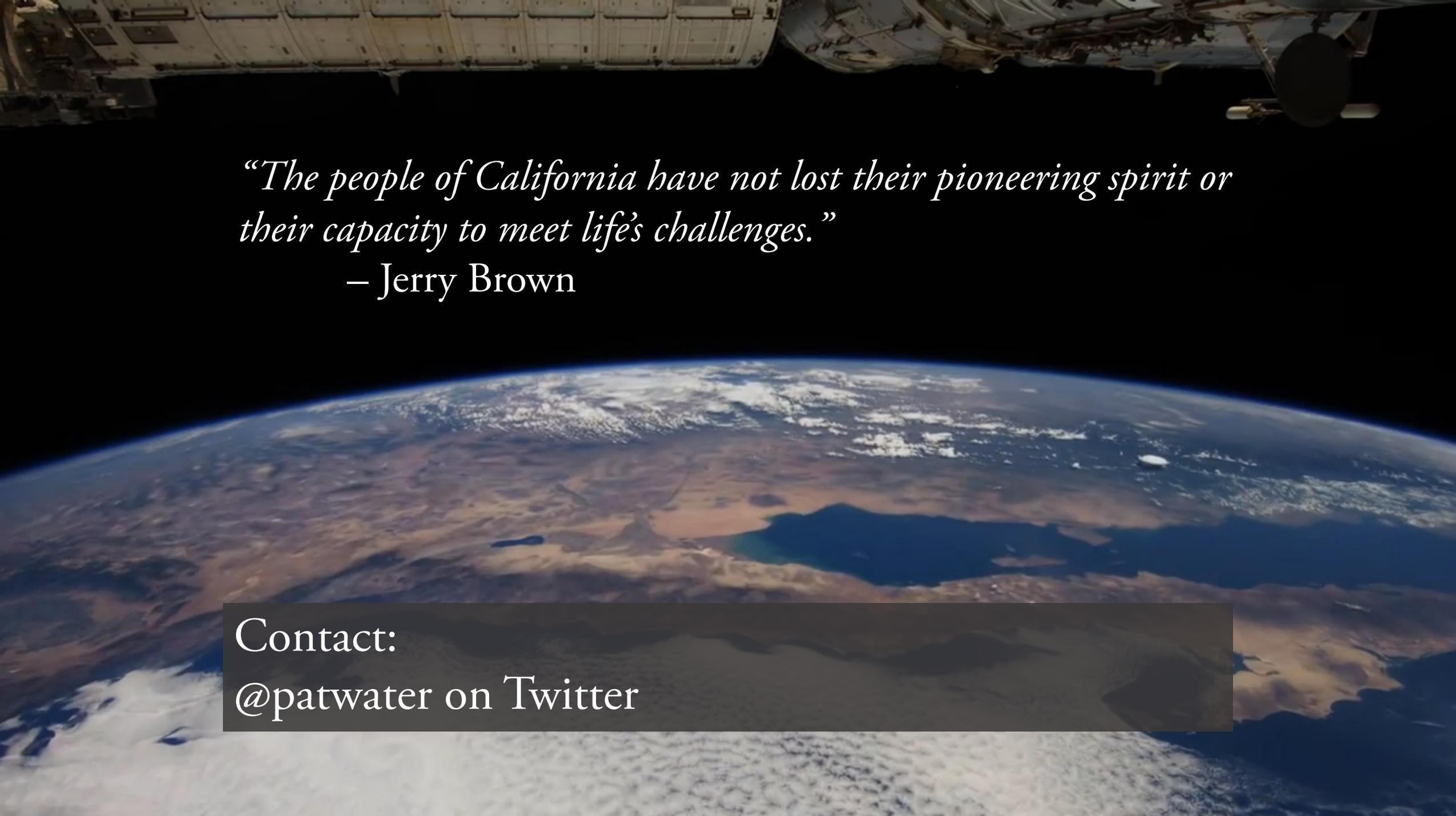
Pragmatic, phased
implementation of May
EO

Integrated suite of
analytics
supporting any of
CA's water
managers

Trusted data
platform
integrating the
entire lifecycle of
CA water use data
and beyond

CALIFORNIA
DATA
COLLABORATIVE





“The people of California have not lost their pioneering spirit or their capacity to meet life’s challenges.”

– Jerry Brown

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