

# **AQPI PARTNERS MEETING**

Monday, March 28, 2016  
10 a.m. – 12 noon



# WELCOME AND INTRODUCTIONS

- Go around the room
  - Who's here
  - Which agency do they represent
  - Agency interests in AQPI
  - Any pressing questions?

Grant Davis, SCWA

# MEETING OVERVIEW & PURPOSE

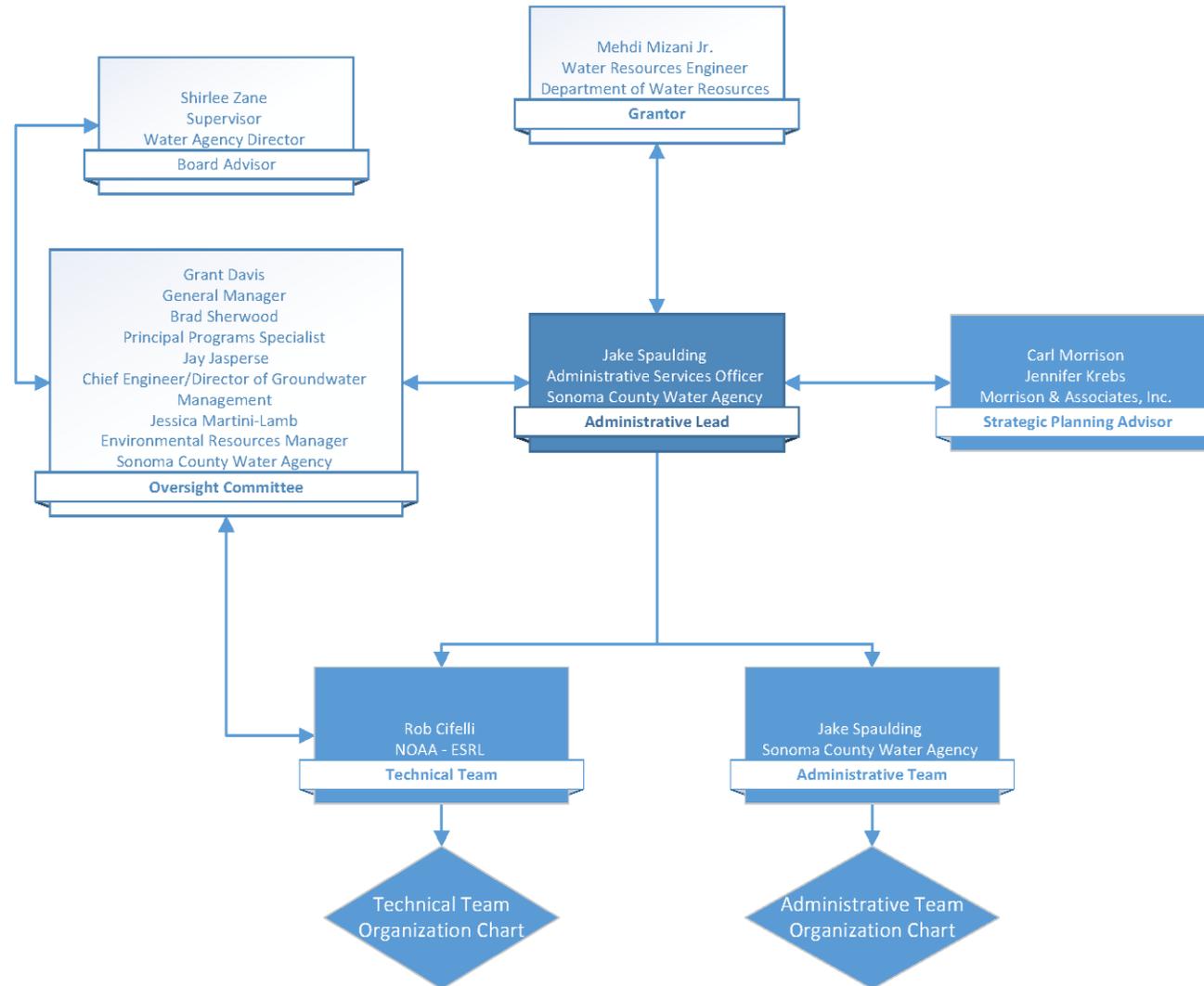
- Introduce the Project Team
- Provide Overview of Project
  - 20,000 foot overview of schedule
  - Q & A
- Get input on Technical Advisory Committee and Stakeholder Group
  - Who to involve?
  - Meeting schedule for 2016

# SCWA – PROJECT ADMINISTRATOR

- SCWA is new grantee – will execute grant with DWR
- NOAA and other team members under contract with SCWA

# Bay Area Advanced Quantitative Precipitation Information (AQPI) System

## Draft Master Organization Chart



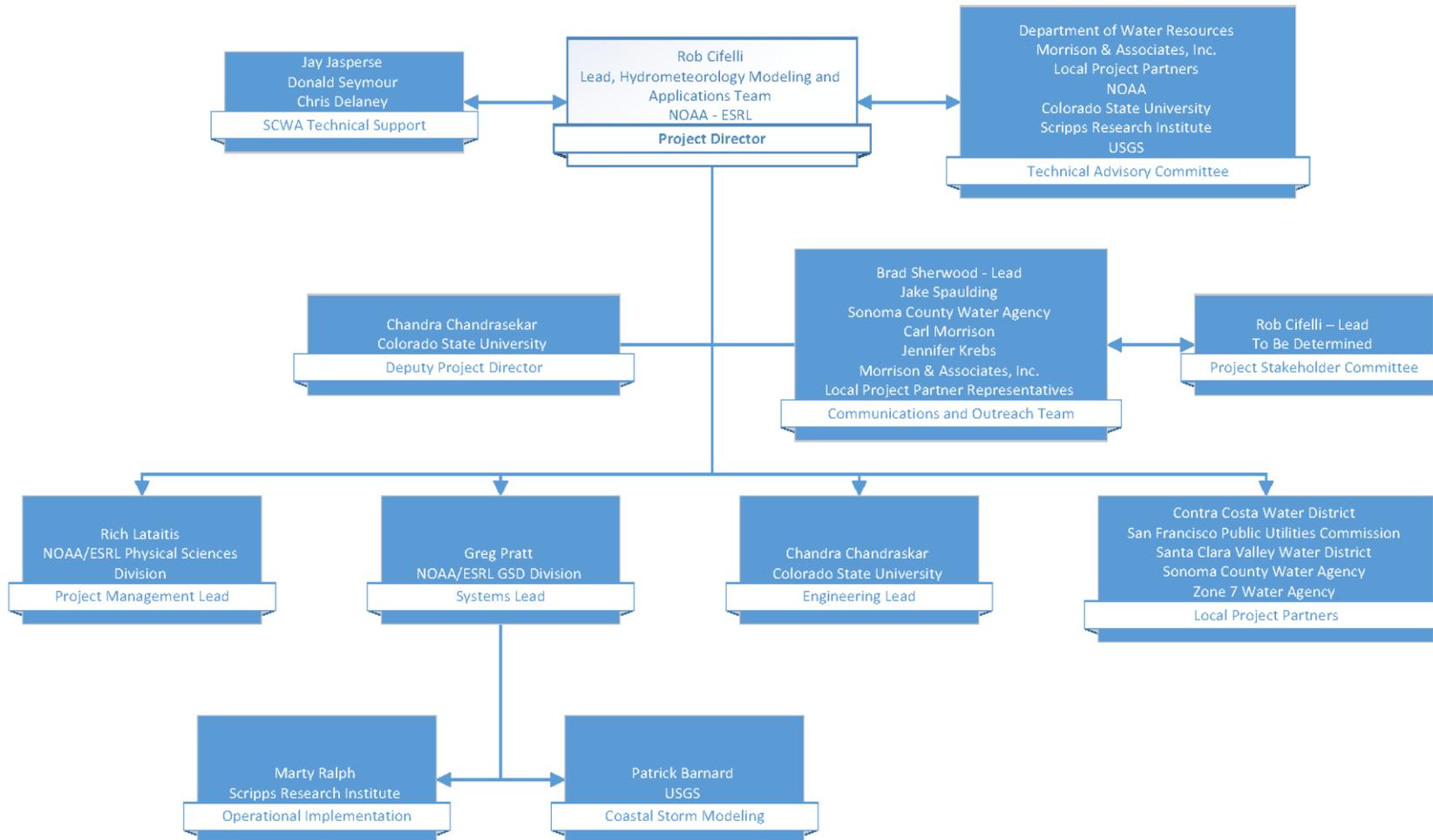
# PROJECT OVERVIEW

- Project description
- Project Technical Approach

Carl Morrison and Rob Cifelli

# Bay Area Advanced Quantitative Precipitation Information (AQPI) System

## Draft Technical Team Organization Chart



# SCHEDULE

- 2016: radar site surveys, TAC and Stakeholder Committee Meetings
- 2017: in-situ instrumentation installation (stream flow...), radar site permits, TAC and Stakeholder Committee Meetings
- 2018: hardware installation, prototype AQPI system
- 2019: AQPI system integration, testing and delivery
  
- SFPUC schedule update

# AQPI 101

- Address radar sitings in conjunction with CIRA and local agencies
- Start building prototype AQPI system
- Start deploying ground instruments and collecting existing data from many sources

Rob Cifelli, NOAA

# AQPI Rainfall and Streamflow-Storm Surge Forecasting

High-resolution rainfall mapping of current conditions

- Gauge and radar

High-resolution precipitation Nowcast to 1 hour

- Radar-regional model blend

High-resolution precipitation forecast to 24 hours

- Regional model ensemble

Extended range forecasts to 10 days

- Global model ensemble

High-resolution mapping of current streamflow-coastal conditions

- Distributed hydrologic model
- CoSMoS
- gauges

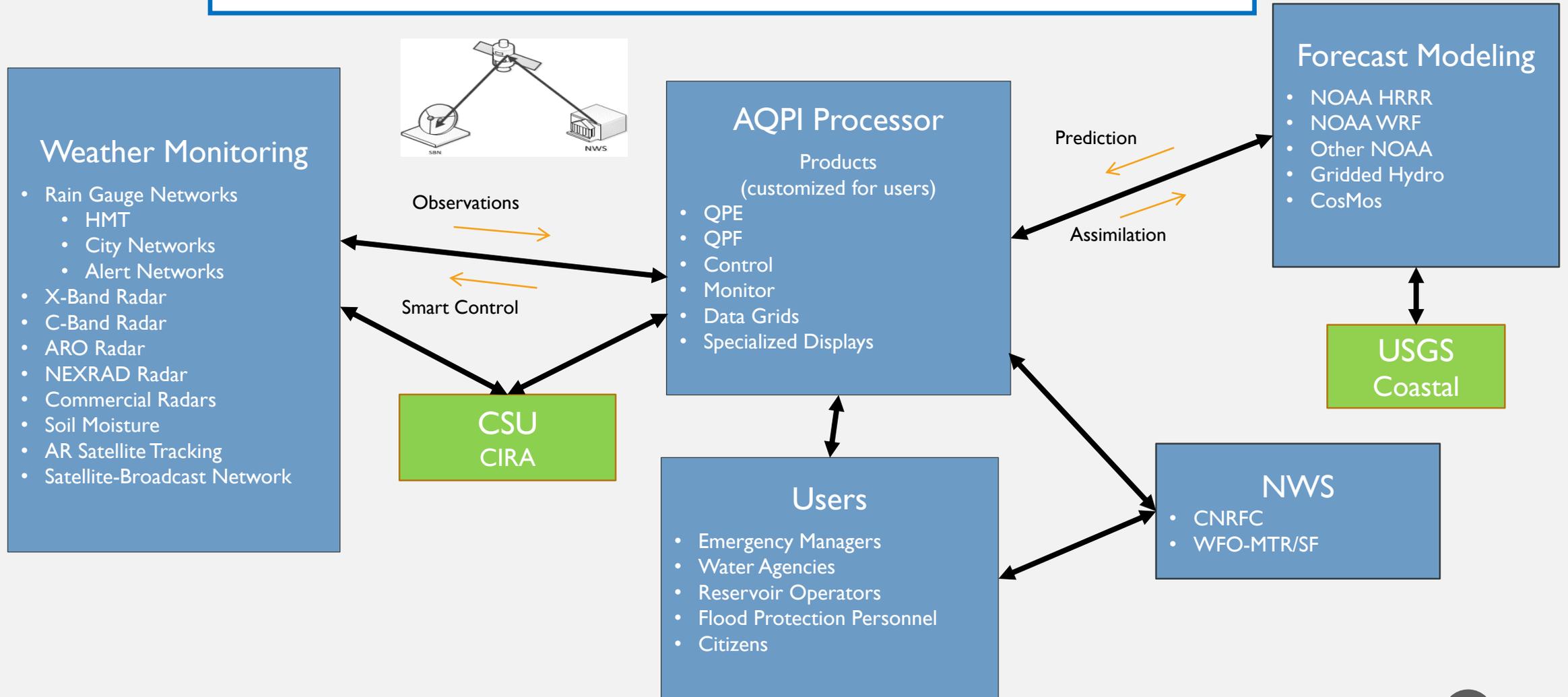
High-resolution streamflow and storm surge forecasts to 48 hours

- Distributed hydrologic model
- CoSMoS

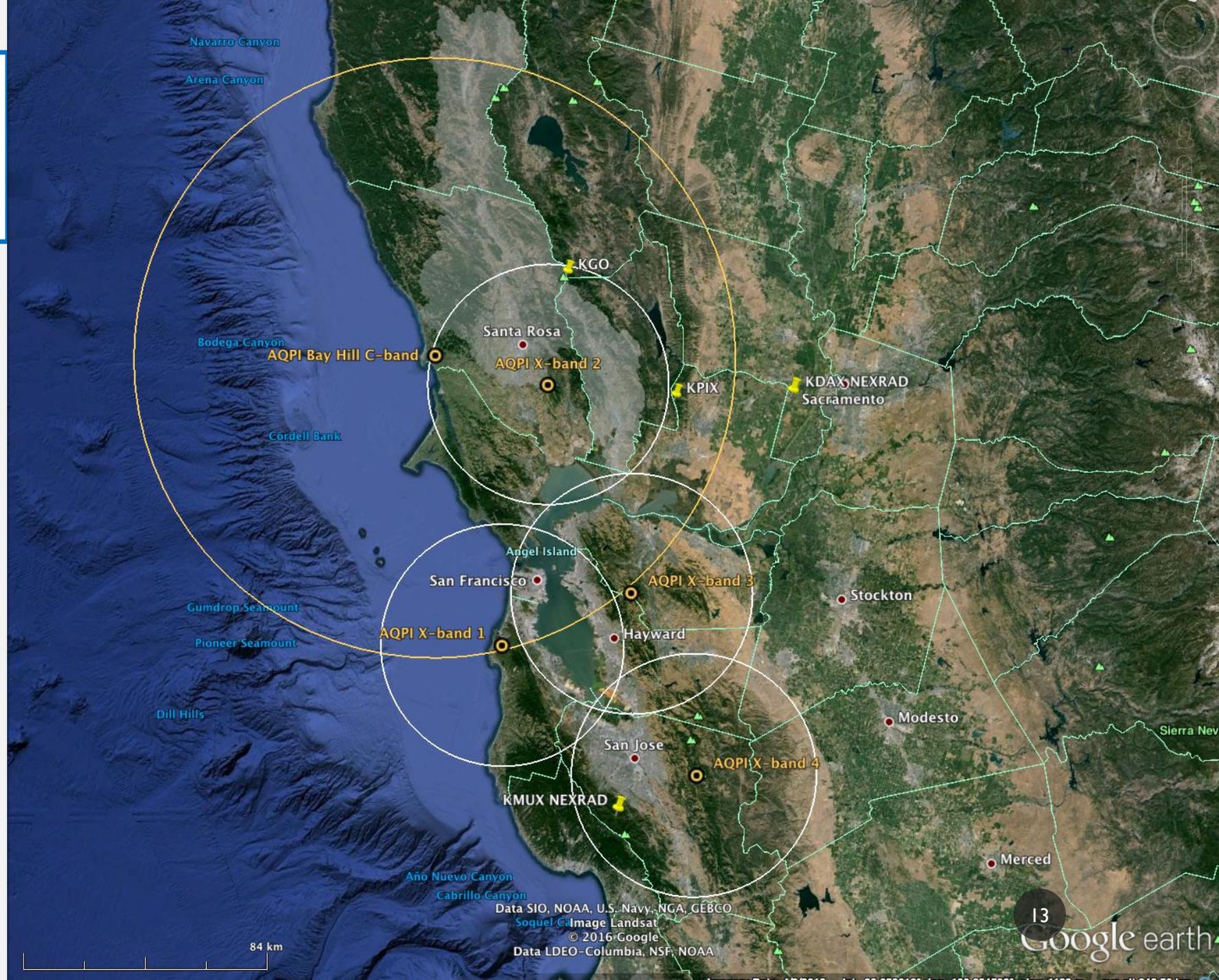
# EARLY PROJECT STEPS

- AQPI systems development (Greg Pratt)
- AQPI & ARs (Marty Ralph, Scripps CW3E, & Dave Reynolds, NOAA CIRES)
- Radars (Chandra Chandrasekar, CSU CIRA)

# AQPI SYSTEM



# POTENTIAL RADAR DEPLOYMENTS (NOT FINALIZED)



# ADVISORY COMMITTEE STRUCTURE (PROPOSAL)

- Communications & Outreach Team
  - Purpose: Outreach & Communications to inform Bay Area on project purposes, radar siting issues, identify stakeholders
  - Need Project Partners Communications Team Members
  - Brad Sherwood, Lead
- Technical Advisory Committee (TAC)
  - Purpose: Work closely with the AQPI technical team to facilitate project implementation – radar siting, etc.
  - Rob Cifelli, Lead
- Project Stakeholder Committee
  - Purpose: Provide input on user needs and requirements
  - Will start up later in project
  - TAC members (interested) and OES folks, Caltrans...
  - Rob Cifelli, Lead
- Please provide input into people to add to lists

Brad Sherwood, SCWA

# MEETING SCHEDULE

- Technical Advisory Committee – Quarterly through duration of project (or as needed)
- Stakeholder Committee – Every 6 months (or as needed)
  
- First meetings in Fall 2016 (after DWR-SCWA contract & individual meetings with agencies)

## Q&A

- Questions on project, committee structure, schedule, etc.

## NEXT STEPS

- Get input for committee members
- Schedule next meetings
- Finalize DWR-SCWA contract
  
- Project webpage: [www.aqpibayarea.com](http://www.aqpibayarea.com)