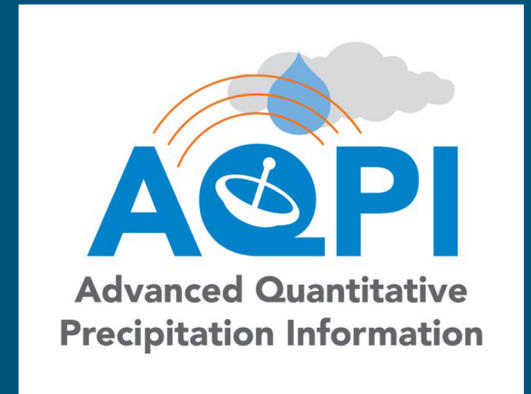


AQPI Data Implementation Working Group (DIWG)



Marin Flash Flood Forecast Formula Tool - Roger Leventhal, MCFC

Status of AQPI and Next Steps



Monthly meeting - Oct 21, 2020

Network of Bay Area Water Agency Users, USGS CoSMoS, NOAA Research, NOAA NWS

AQPI System Status

- Observations
 - 7 Counties currently sending to AQPI via NWS operations:
 - Alameda, Contra Costa, Marin, Napa, Santa Clara, Sonoma, Santa Cruz
 - Close to 300 sites
 - Still would like data from San Mateo, Solano, San Francisco, and Monterey.
 - Team working on verifying sites and observation measurements.
- Radar
 - Two sites - San Jose and Sonoma
 - Quantitative Precipitation Estimates – Late November 15 minute QPE product
 - Nowcast (0-2 hour Precipitation Estimates)– Later this rain season

AQPI System Status

- Atmospheric Models
 - High Resolution Rapid Refresh (HRRR)
 - Hourly QPE to 18 Hours
 - 15 Minute Precipitation Rate out to 18 Hours
 - Global Forecast System (GFS)
 - Quantitative Precipitation Estimates out to 10 days
 - 3 Hour Forecasts out to 84 Hours
 - 6 Hour Forecasts from hour 84 – hour 240.
 - National Blended Model (Later this rain season)
- National Water Model (NWM)
 - Working on ability to subset (Later this rain season)
- Coastal Storm Modeling System (CoSMoS)
 - Working on products (Later this rain season)

AQPI System Status

- Santa Clara Valley Water, San Francisco Wastewater and Public Utilities Commission Products:
 - High Resolution Rapid Refresh (HRRR)
 - Hourly QPE to 18 Hours
 - 15 Minute Precipitation Rate out to 18 Hours
 - Global Forecast System (GFS)
 - Quantitative Precipitation Estimates out to 10 days
 - 3 Hour Forecasts out to 84 Hours
 - 6 Hour Forecasts from hour 84 – hour 240.

Current System Status



AQPI SYSTEM DEMO

AQPI User Next Steps

- Development team will be working directly with agencies to:
 - Provide access to AQPI web site – AQPI User Interface (UI)
 - Provide access to AQPI products – AQPI FTP site
- Hilary will start scheduling meetings next week with:
 - Alameda (Frank Codd, Jeff Tang, Russell Perry)
 - San Francisco (Rebecca Pluche, Mira Chokshi)
 - Santa Clara Valley Water (Jack Xu)
 - Contra Costa (Mark Boucher)
 - Marin (Roger Leventhal)
 - Napa (Phillip Miller, Bill Ash)
 - San Mateo (Colin Martorana)
 - Sonoma (Chris Delaney, Carlos Diaz)
 - Solano (Gustavo Cruz)
 - East Bay ((DA-(Jason Warner (Oro Loma), Tay Nguyen(Hayward)),
MUD-Dave Briggs, Parks-Brian Holt)