

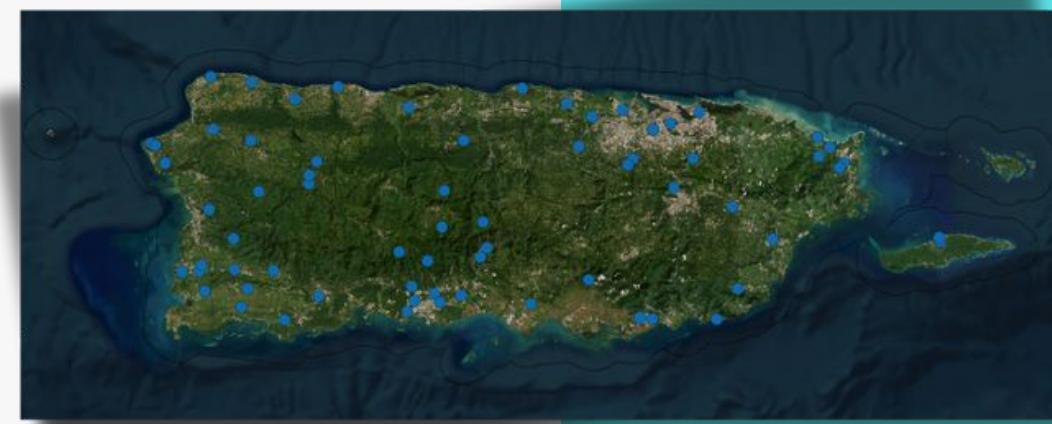


CoCoRaHS **PUERTORICO**



CoCoRaHS

**Puerto Rico is
made up of:**



204

Total Stations since 2014

74

Active

130

Inactive

50

CoCoRaHS

PR FB Group

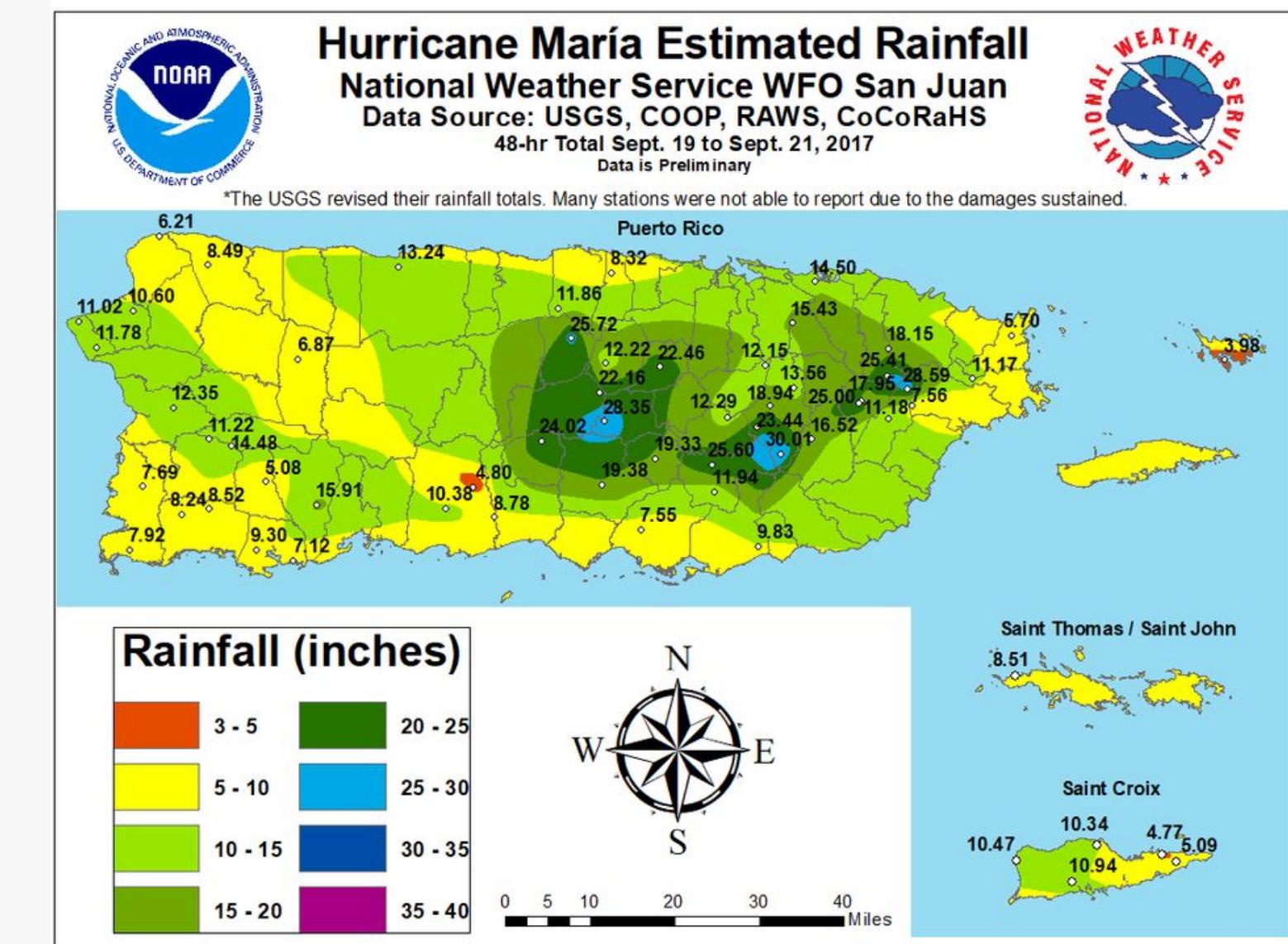
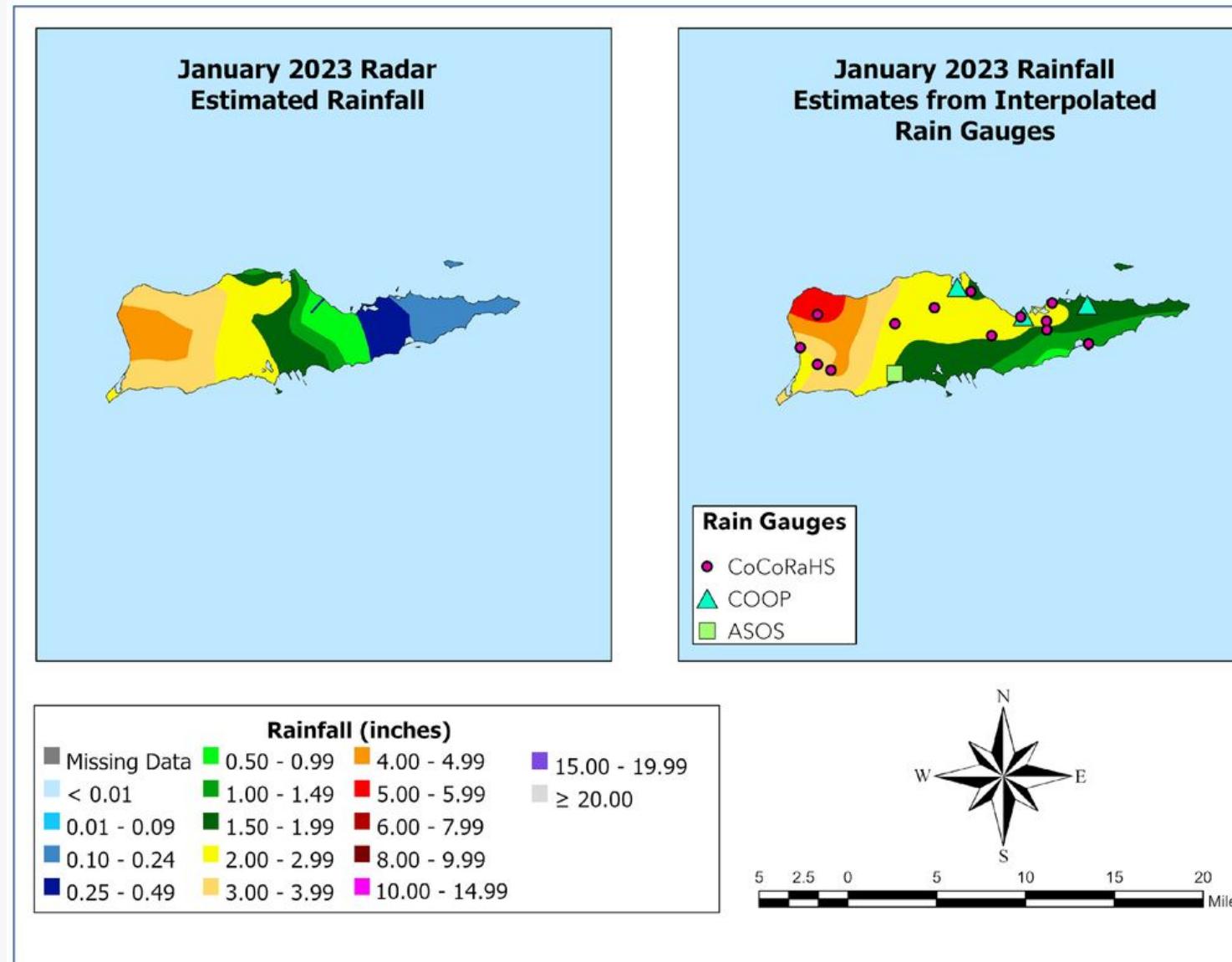
How does NWS San Juan, PR use *CoCoRaHS* data?

Radar Comparison

Evaluate Estimates

**Examining latest trends and
comparing them to the typical
normal values**

The map on the left shows radar rainfall estimates for January 2023. However, when compared with rain gauges, it can be seen that the radar estimates are lower. This is due to two factors: first, the lowest height that the radar can scan over St. Croix and the rest of the U.S. Virgin Islands is quite high, causing rain areas below this height to go undetected. Second, the mountains of Puerto Rico can sometimes block part of the radar beam in the direction of Santa Cruz. Therefore, we use several rain gauges from CoCoRaHS, COOP, and ASOS—mostly CoCoRaHS—as an observation network, and an interpolation method is applied to obtain the map on the right.

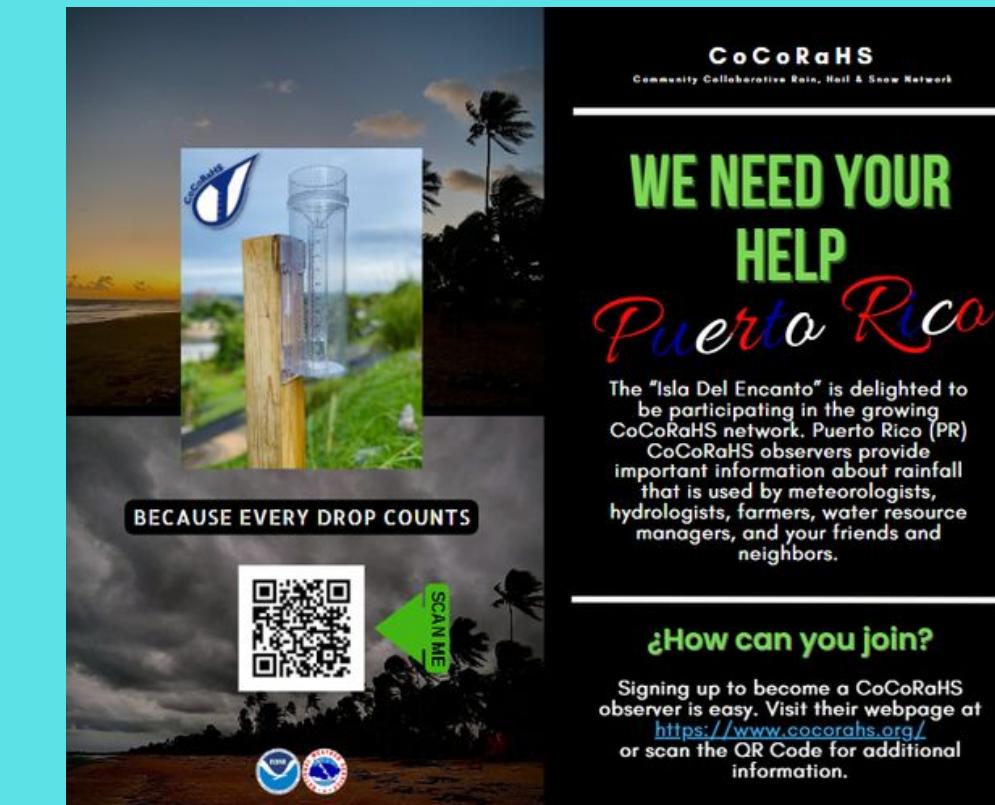


For significant events, we ensure that radar estimates are accurately capturing rainfall accumulations. Therefore, we constantly check CoCoRaHS stations in addition to other types of weather stations to evaluate these estimates. In extreme cases, when we don't have radar data, we use the same method described above to create rainfall maps, such as the one from Hurricane Maria shown below.

Another way we use CoCoRaHS stations is by examining their latest trends and comparing them to the typical normal values for that region (in the case of Puerto Rico). This helps us understand how rainfall accumulations are deviating from normal, enabling us to make recommendations to the interagency collaboration that handles the Drought Monitor.

Recruitment and Retention Initiatives

Social Media Posts - English



Social Media Posts - Spanish



Recruitment and Retention Initiatives



Specific audiences



Specific regions

LEAD *by* EXAMPLE



CoCoRaHS PR Local Newsletter



Best CoCoRaHS PR Photo Contest
Precipitation

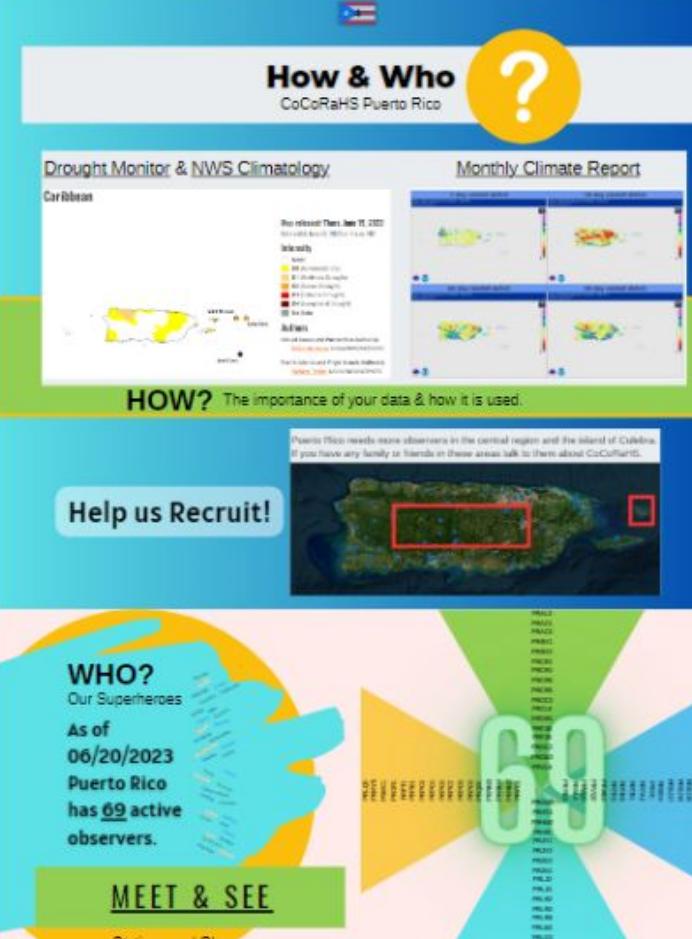
THE TOP 3 CONTESTANTS



Observer Station

Observer Station

Observer Station



How & Who CoCoRaHS Puerto Rico

Drought Monitor & NWS Climatology

Caribbean

HOW? The importance of your data & how it is used.

Help us Recruit!

WHO? Our Superheroes

As of 06/20/2023 Puerto Rico has 69 active observers.

MEET & SEE

Stations and Observers

60



CoCoRaHS Puerto Rico
June 2023 | Newsletter Vol. 1

69 ACTIVE STATIONS

VIEW HERE

WFO San Juan Rain Gauge

Meet Our Observers

Page 4

Long-term Stations

Page 2

Photo Contest

Page 6

Best CoCoRaHS PR Photo Contest

AND MORE...!

FRIENDLY REMINDERS

HOW TO REGISTER, INSTALL, AND MORE!

Step by Step Guide

YouTube Video

CoCoRaHS PR NEXT ACTIVITY

