

Concern – we aren't capturing the extreme events, so it's difficult to make any conclusions about trends or return periods.

Consideration – moving routine “unofficial” data into “official” datasets

ThredEx data – move sites in and out of the data record (national data stewardship team)

Extreme Event Analysis – need to ensure current equipment are properly maintained and calibrated routinely.

Climate Services – local, augmented, datasets are valuable and need to be archived at NCDC and the Regional Climate Centers (RCCs)

Parallel datasets – not official, but need to be available for engineers and planners despite the lack of being official.

Framework – a valid framework must consider multiple datasets, available to the public or researchers.

Customers can come through other directions, to access the data and products

Nezette – users need NWS to package information and put the data and analysis into historical context. Present the information for the public in a way that isn't too technical, but meets their specific needs.

Need to talk to customers in a way that they can understand, but that doesn't mean you should dumb it down.

HYDRONET – data extends back to 1994, and create a digitized and archived dataset

Tremendous value in the data, flashflood monitoring and inundation events to put them into historical context.

Climate Services – how can the data be packaged for external consumption.

ThredEx – possible to create that kind of product or framework

Making available non-standard, or non-official datasets to the public and other known valuable datasets.

Advent of Climate Services and Products – we need to answer these questions, we have to be able to provide

Nicole – start with the good data, and well maintained reliable sites. We need more involvement regional experts on the national data stewardship committee. Need

involvement from data collection experts and those familiar with observation problems, history, etc.

Packaging information – putting out the information is not enough, but how the product/dataset/application is marketed is just as important.

XMAcis – additional parameters needed, especially wind observations.

Suite of Information and Data Products for “Heavy Rains”

Customers don’t care about the “data quality” and related issues, and they want the “answer” and “product” anyway, despite the data issues.

There are many existing products that have not been marketed or packaged in a way that gains the interest of the targeted users and other potential users.

“Heavy Rains” are likely not being captured or measured in the Pacific specifically related to typhoons/tropical cyclones (Mark Lander’s examples) so it’s difficult to make any conclusions about trends or return periods. Therefore, we need to ensure that these extreme rain events are measured now and in the future.

Engineers, planners, and politicians are specifically requesting return-period analyses for different applications.

“Heavy Rain” products, indices, etc. must consider drought or extreme dry conditions, since these have significant impacts as well.

Daily time-scale, or preferably finer temporal scale products are essential for understanding and mitigating impacts.

Relating Heavy Rain magnitudes to their impacts is an essential part of portraying this to the users and the public.

HYDRONET – data extends back to 1994, and create a digitized and archived dataset is of tremendous value for flood monitoring and inundation events - need to put them into historical context.