Better Management of Water Data with LEANalyser

***"We could instantly show the value of our innovation in water data management"***
-- **Louise Croneborg-Jones , CEO at Water in Sight**

With LEANalyser, we at Water in Sight can quickly review, clean and demonstrate water and weather measurements in low-income countries. Our core business is to enable the easy and reliable collection of water and weather measurements using any type of mobile phone.

Our mission is to help rapidly close the 70% data-gap on water and weather measurements in developing countries, and ensure that this data is used to build resilience to climate change across critical areas such as flood protection and investments in water.

As we were developing and testing our water station prototypes in Malawi, river and rainfall measurements started flowing into an online database from our users who were collecting in-situ measurements. However, we needed to find a quick way of assessing how our different prototypes were performing in the field. This is where LEANalyser became useful – speeding up our internal review and decision making process. Consequently, we could provide faster and location-specific climate information to governments, their staff can act faster on issues such as fixing stations or integrating data in flood modelling." Furthermore, we needed to **assess the quality of water and weather measurements**, as well as assess early indications of the value of our solution. As we can see in the picture, one can easily evaluate how data quality differs between stations and over time.
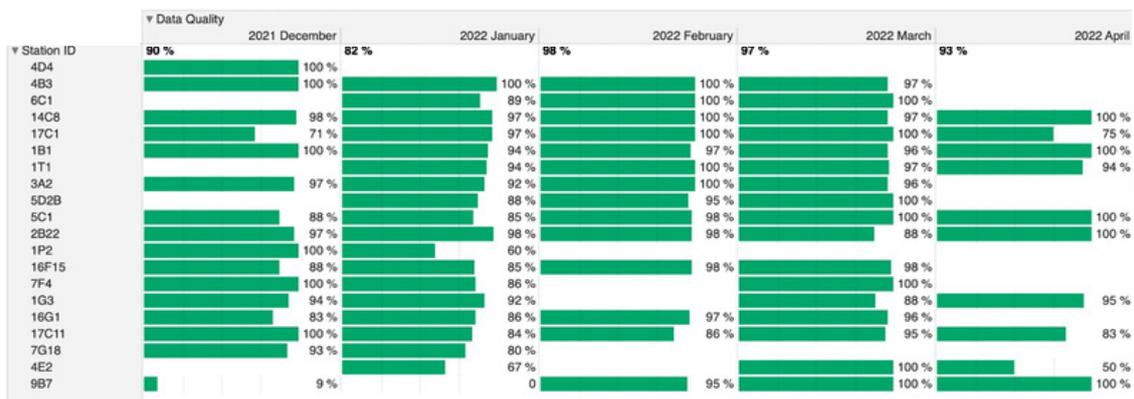
That's where the versatility of the tool and its graphs became evident. We could, for example, show how our solution quickly indicated the onset of the extreme rainfall and flooding of Cyclone Ana that hit Malawi in late January 2022. Thanks to LEANalyser's filtering functions and automatic recognition of data types, we could easily visualise and compare different river and rainfall stations, as well as identify and remove data errors. Once the process was up and running, we could simply import new data to our models.

And finally, despite not being trained statisticians or IT-experts, we could easily learn how to use LEANalyser and adopt it in the regular assessment of our operations. If new questions about our data arose, we could with a couple of clicks get the answer presented to us in LEANalyser!