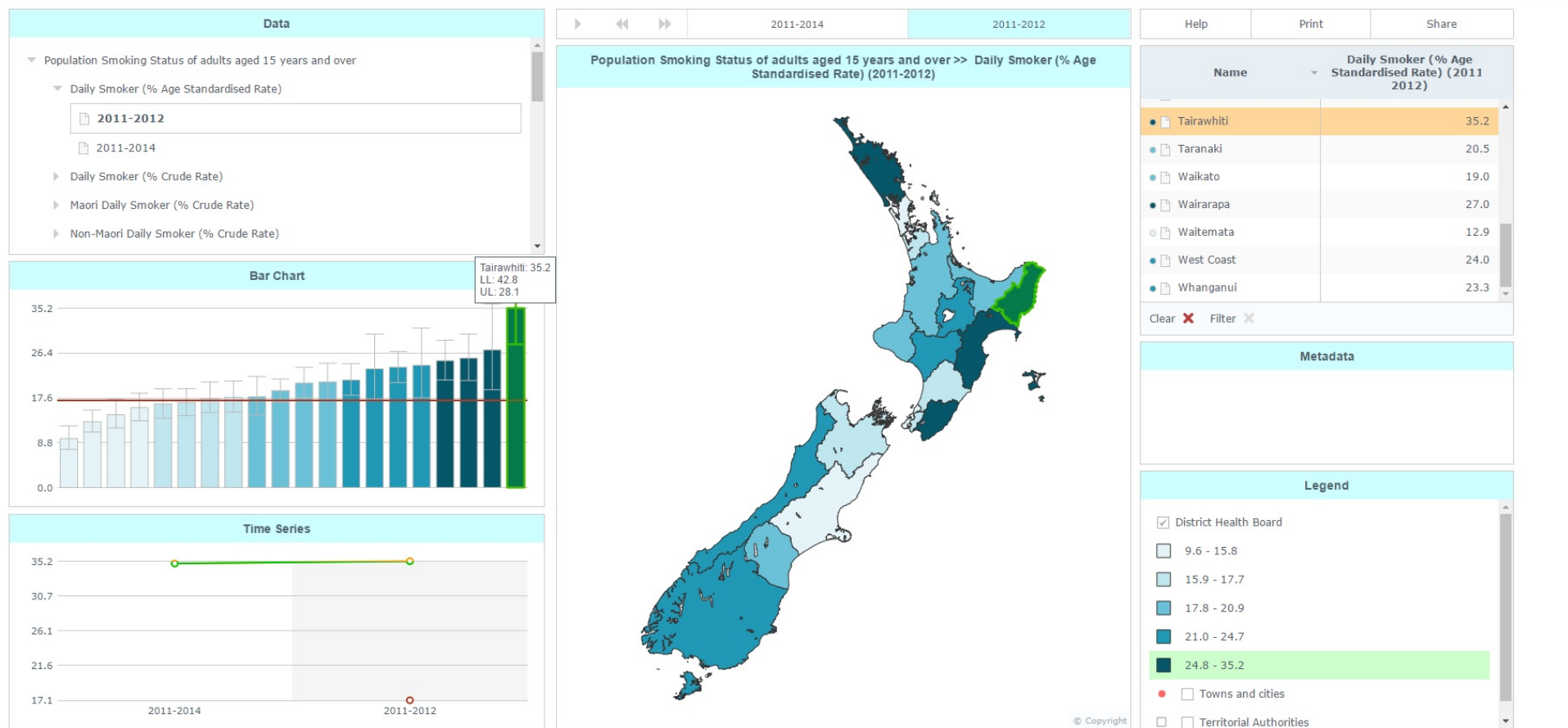


DEVELOPING AN INTERACTIVE MAP FOR THE PACIFIC ISLANDS

Caroline Fyfe, Carolin Haenfling, Rosemary Mwipiko,
Sarah Jefferies

CPHROnline

- Server edition software was developed by Instant Atlas.
- It streams data in Excel xml format into an ArcGIS based map report.
- In addition to a animated choropleth map it also provides summary statistics in table format, as a bar graph and provides a time trend line graph.
- The purpose of the reports is to compare indicators between areas and over time.



DEVELOPING AN INTERACTIVE MAP FOR THE PACIFIC ISLANDS

Challenges to mapping the Pacific region

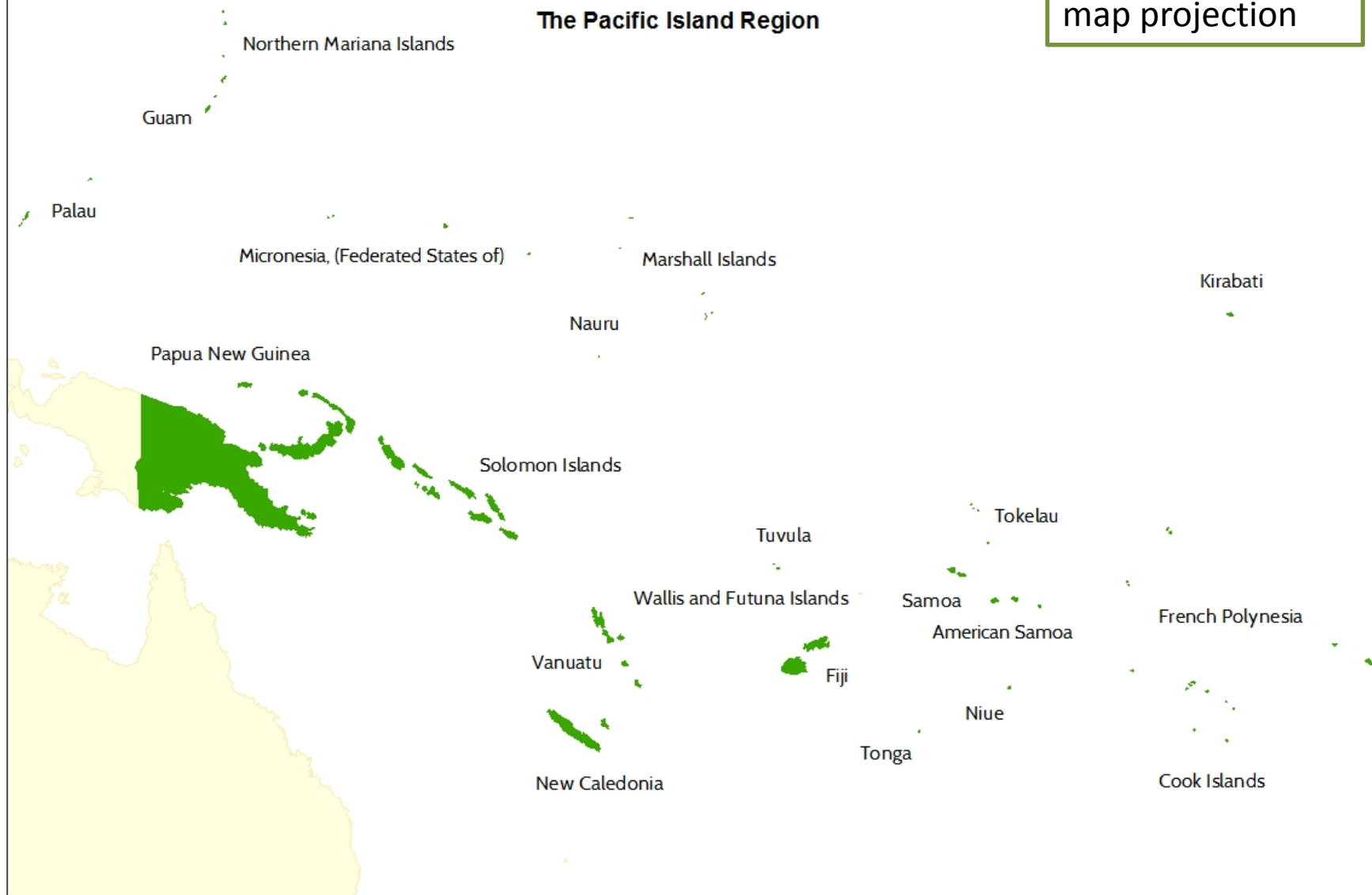
- Almost all digital map files are projected using the Greenwich meridian as the centre point.
- The Pacific Island region stretches over a wide area and the Islands are relatively small, creating a challenge for data visualisation.



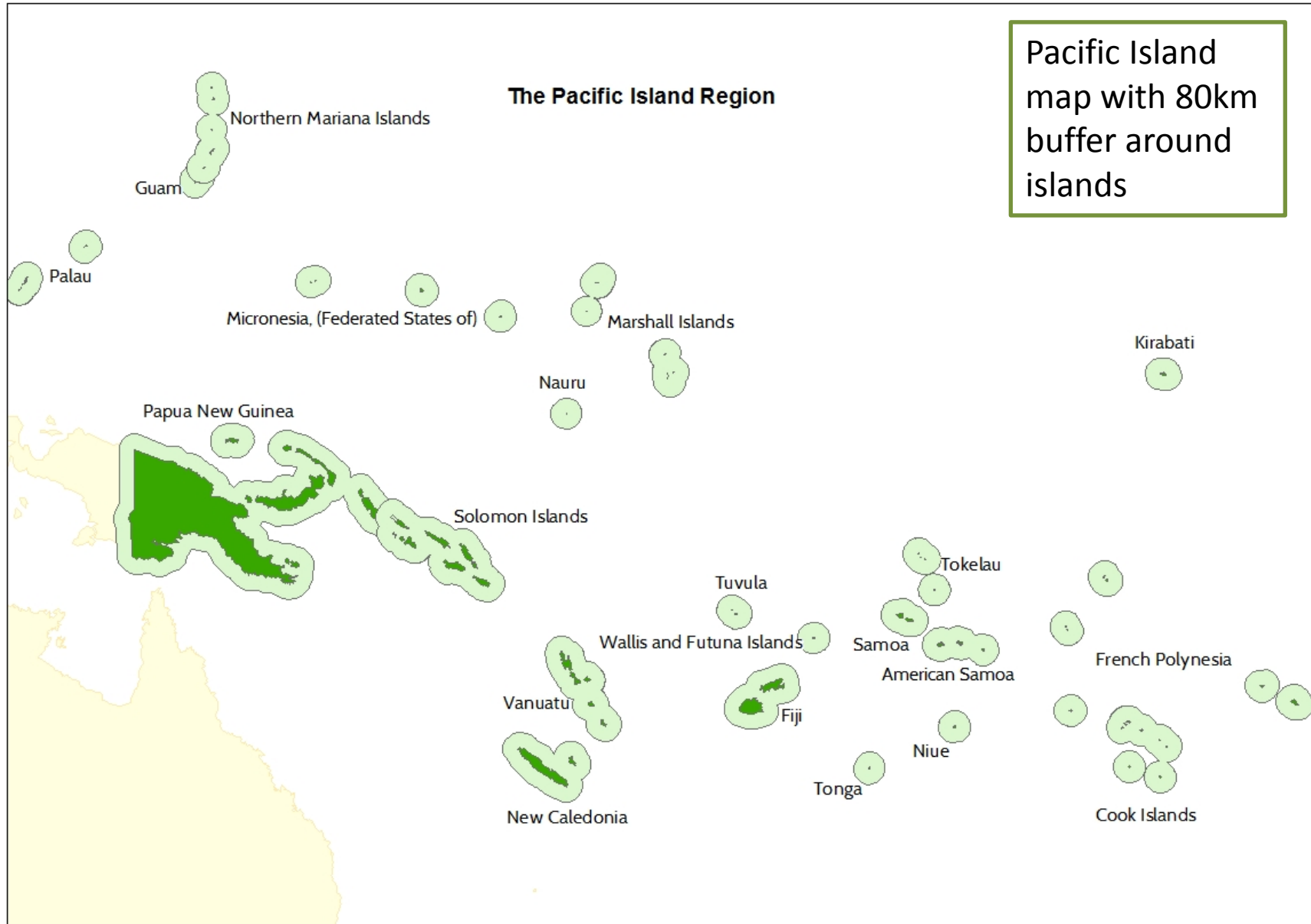
DEVELOPING AN INTERACTIVE MAP FOR THE
PACIFIC ISLANDS

Pacific centred
map projection

The Pacific Island Region

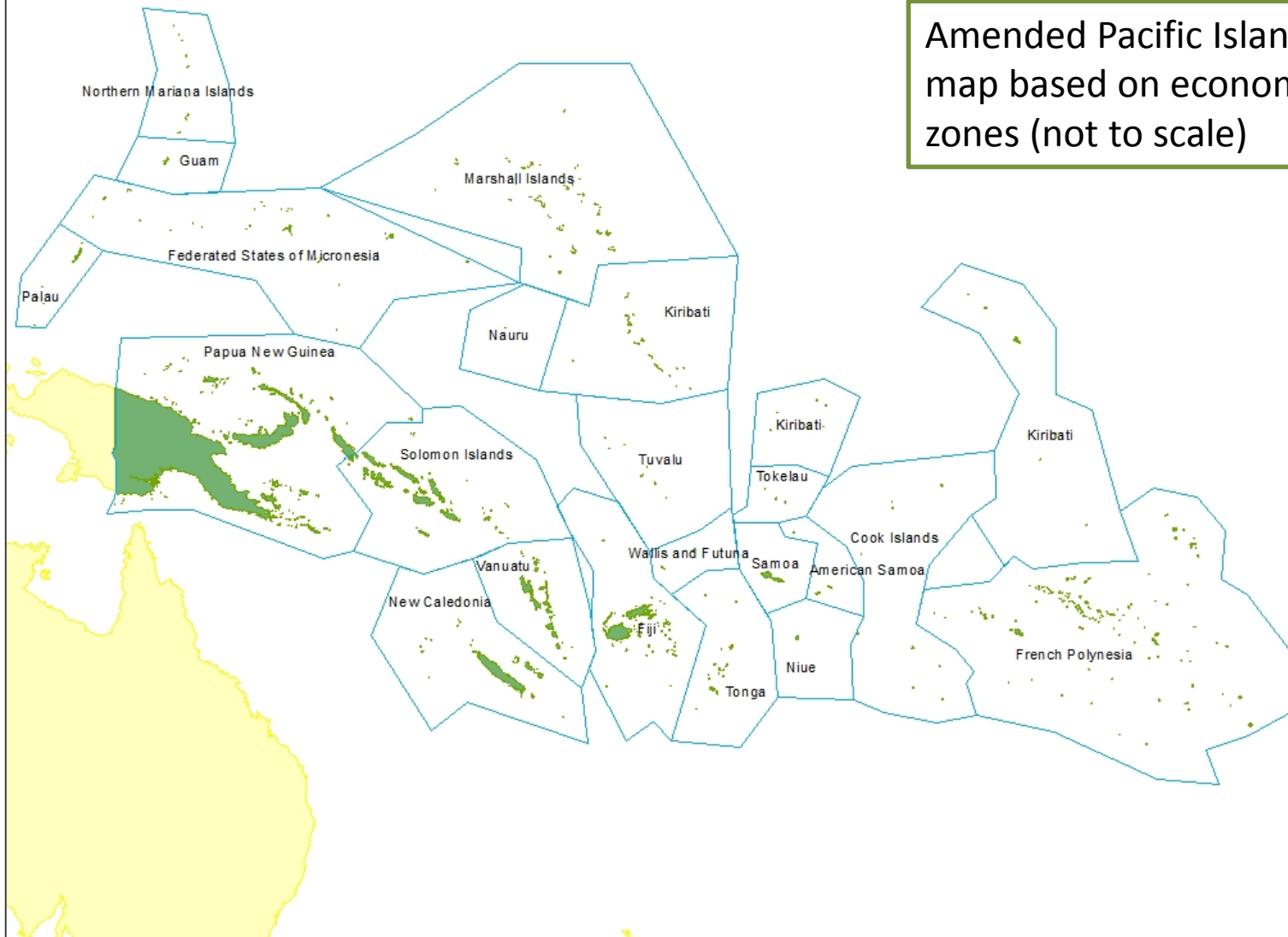


DEVELOPING AN INTERACTIVE MAP FOR THE
PACIFIC ISLANDS



DEVELOPING AN INTERACTIVE MAP FOR THE
PACIFIC ISLANDS

Amended Pacific Island
map based on economic
zones (not to scale)



DEVELOPING AN INTERACTIVE MAP FOR THE
PACIFIC ISLANDS

DATA CHALLENGES

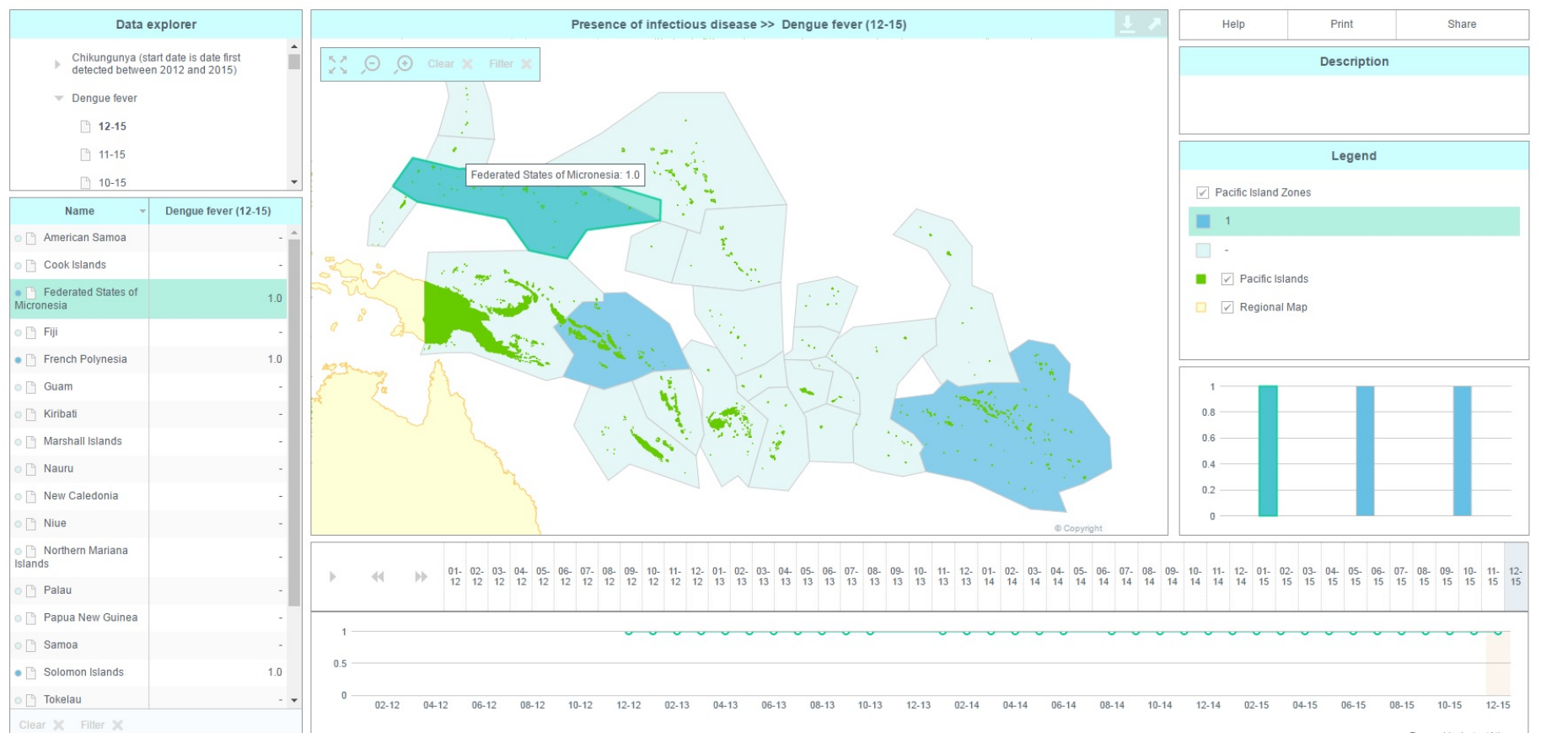
- Data used for this map tracked three mosquito borne infectious diseases.
- Data could only indicate whether the disease was present or absent on an Island, not the number of people infected.
- The software displays data in quintiles (from lowest to highest rate) it is not designed for a binary scale.
- Differentiating between serotypes within one indicator created similar challenges.



The solution was to use a combination of numeric and text values

The following report is a work in progress.....

Proposed map report style for the Pacific Islands



DEVELOPING AN INTERACTIVE MAP FOR THE PACIFIC ISLANDS