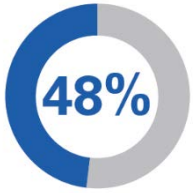
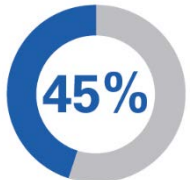
# 2012 : CDMS Status in NMHS

CCl survey with 72% of response rate :

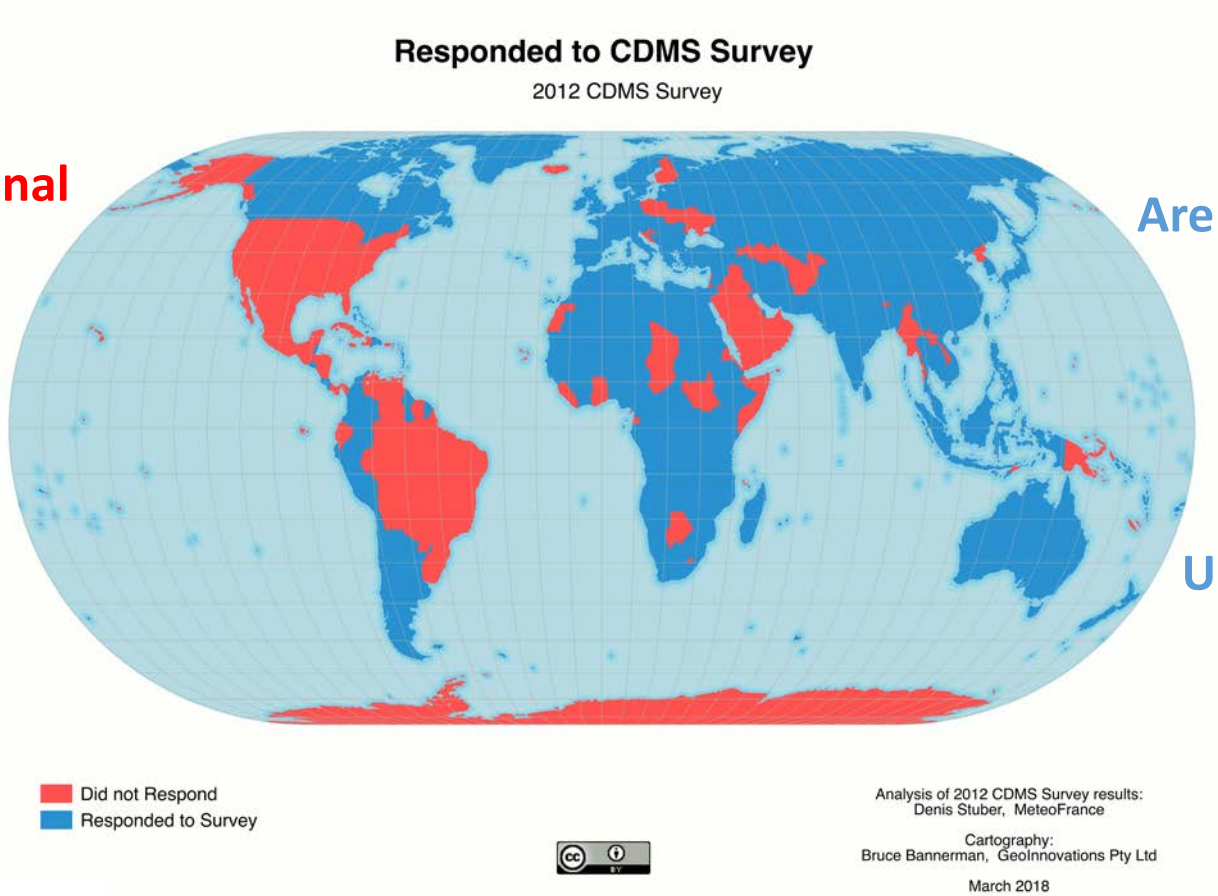



**Have operational issues**


**Do not use a database**

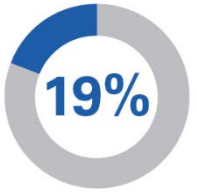



**Have developed their own CDMS**

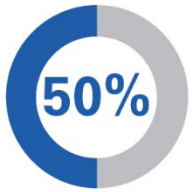



**Estimated in 2017 : 89 CDMS developed for national purposes**


**Are not operational**



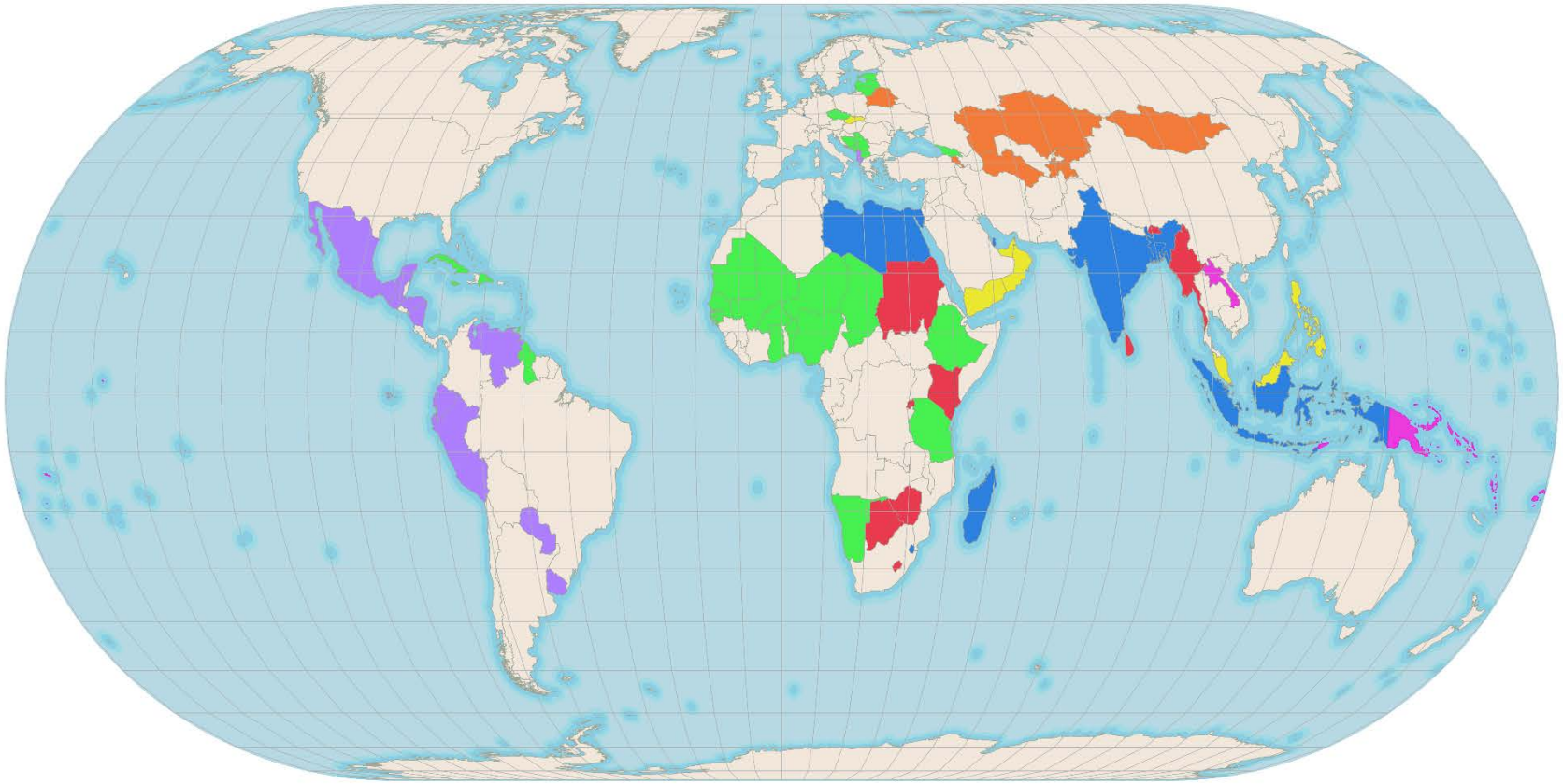

**Use a spreadsheet**




**Would like to change their CDMS**

# 2017 : Distribution of named CDMS

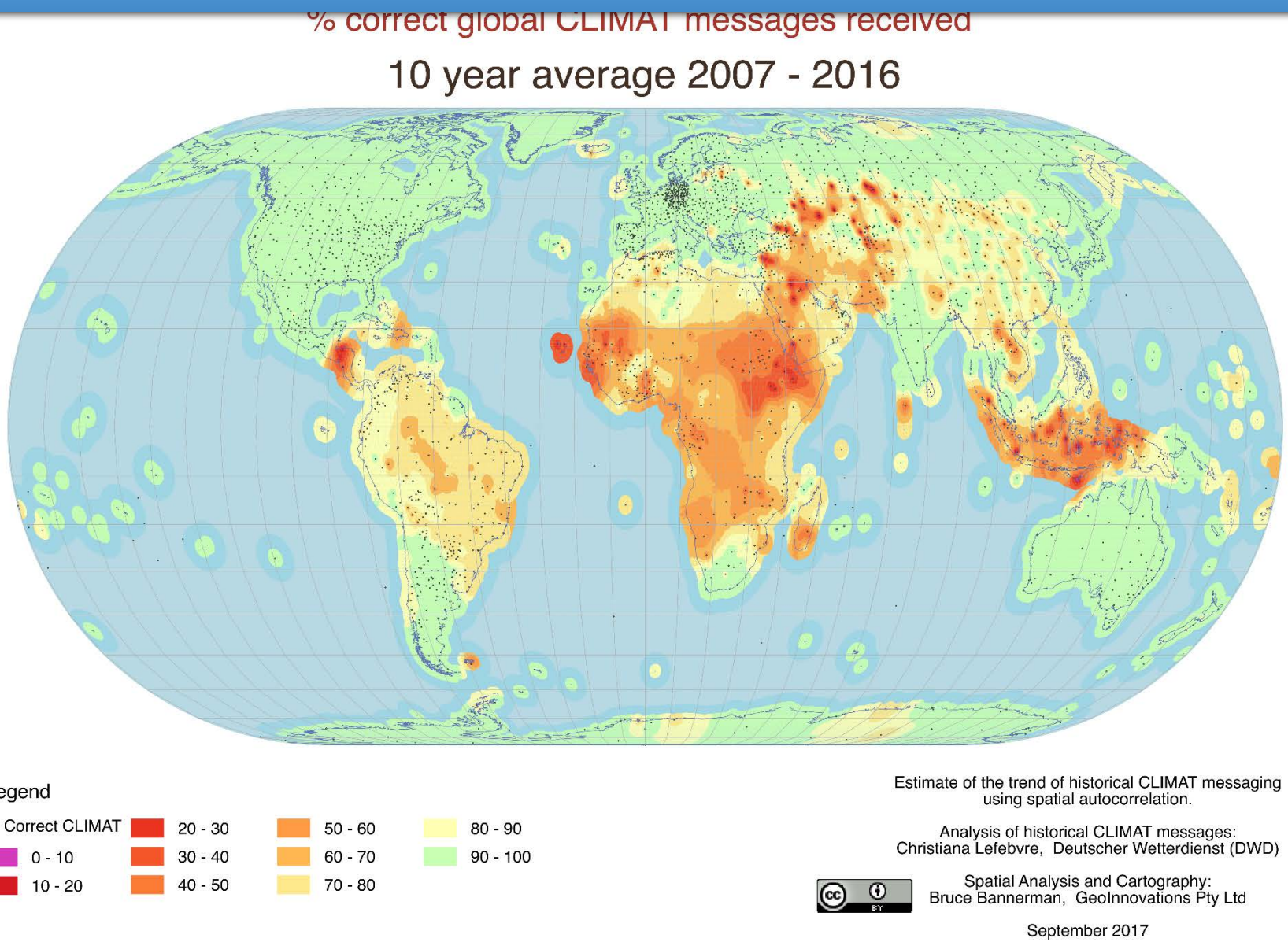
as at June 2017




**7 CDMS for 86 implementations - 3 Open source CDMS for 42 developing countries**

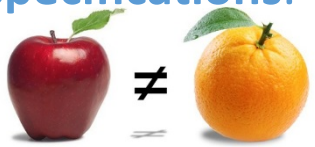
*Data source: CDMS suppliers*

# How effective are we at climate data management globally?



# Summary of key CDMS issues

- For **190 countries** there are approximately **96 different CDMS**;
- Current CDMS have been developed in the **absence of formal specifications**. Therefore they have different and inconsistent capabilities;



- In 2012, **48% of the survey respondents had operational issues** with their CDMS. Difficulties are also reflected by the 10 year statistics on CLIMAT messages ;
- **42 Developing Countries** rely on an open source CDMS that is **at risk of failure** because (1) severely **limited funds for maintenance and development** and (2) **Key person dependencies** with typically only one developer per system.

Significant CDMS improvements are required globally, It will be very expensive and wasteful of resources to develop the same functionality for each current CDMS

# We can fix this!
# But we need to work together, collaboratively.

## CDMS Strategy Vision

## Achieve a step-change in the management of climate data by:

**Thinking globally** of what climate data management capability is required to answer many questions of societal need; and

**Acting nationally** to implement and evolve consistent and sustainable CDMS that will address national requirements for climate data, and in addition help to address regional and global needs.