

Ocean acidification: observations and data sharing in support of SDG 14.3

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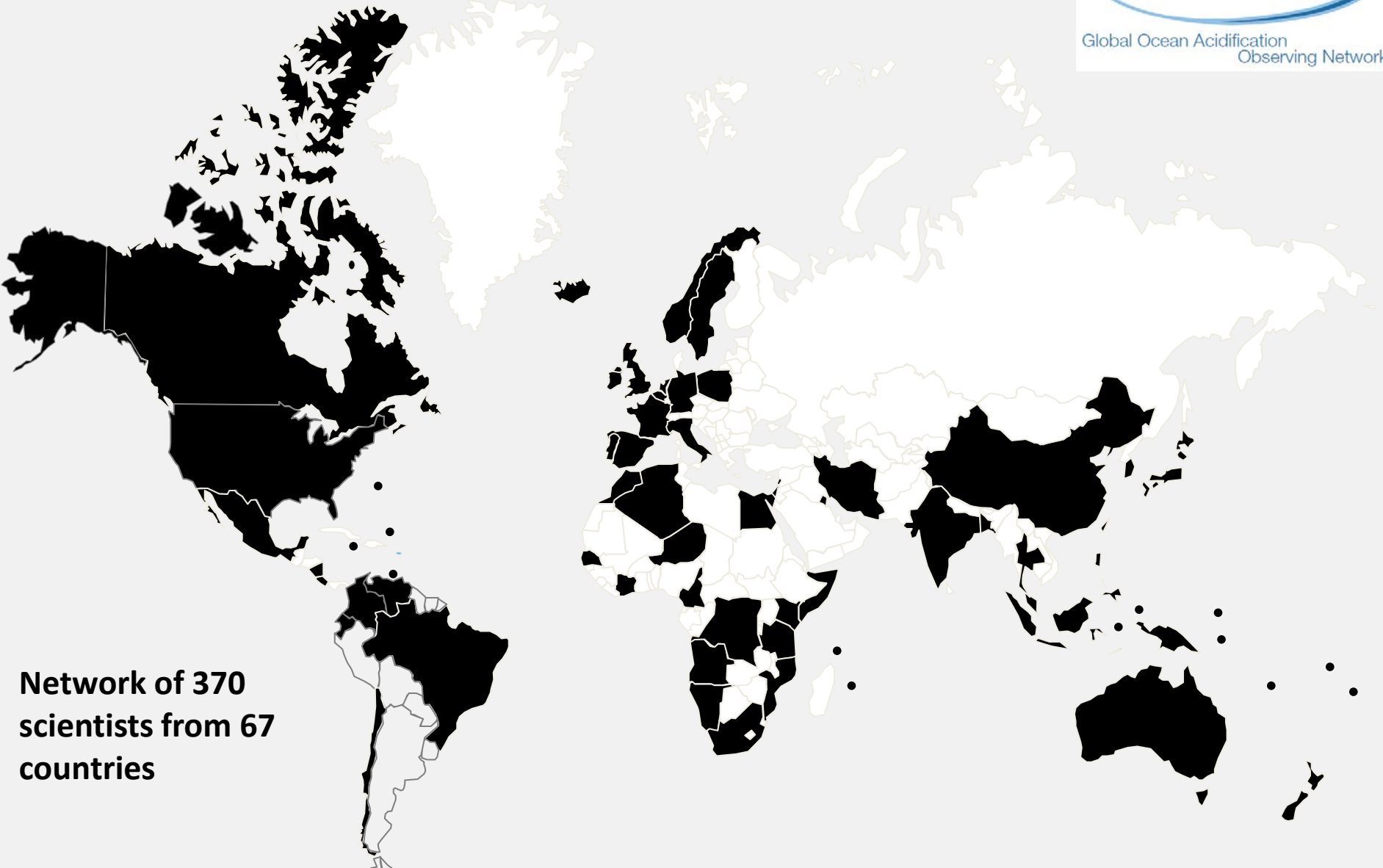


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NOAA OCEAN ACIDIFICATION PROGRAM

GOA-ON geographic representation



**Network of 370
scientists from 67
countries**

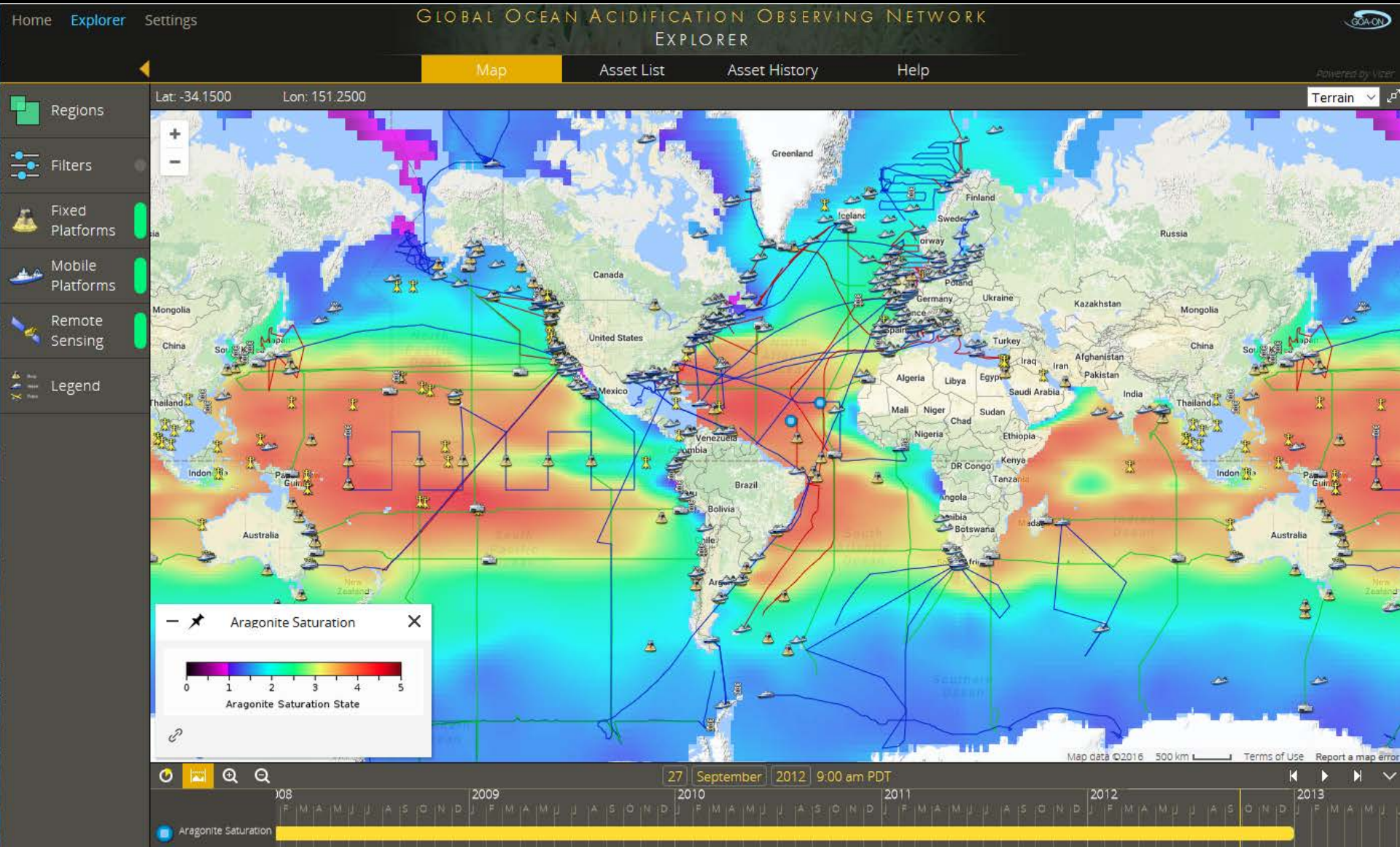
Data from www.goa-on.org current members list. Last updated June 2017.

SDG 14.3 – minimize & address impacts of OA

- Custodian agency: IOC
- Methodology development: in progress
- GOA-ON: providing expert-level input



GOA-ON interactive data portal



Capacity building: two main components

1. Pier2Peer:

- Knowledge exchange
- Collaborations
- Joint experiments



2. Direct assistance

- Sensor kit provision by NGO/governmental partners
- Training workshops



Pier2Peer program scientific mentorship program

- 92 mentees
- 56 mentors
- 11 new pairs recently formed (June 2017)



Sensor kits: Africa & Pacific Islands

“Hardware”

Water sampling and preservation

Spectrophotometric pH

In situ pH

TA

Quality control

“Software”

Methods for sampling and preservation of seawater

Data analysis and data submission guidelines/template

Training videos and e-lectures



What constitutes success?

- Spatial coverage of observing assets
- Number of scientists trained and contributing to GOA-ON



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OceanAcidification.NOAA.gov



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For the Global Ocean Acidification Observing Network:

www.GOA-ON.org

