



GOA-ON is a collaborative international approach to document the status and progress of ocean acidification in open-ocean, coastal, and estuarine environments, to understand the drivers and impacts of ocean acidification on marine ecosystems, and to provide spatially and temporally resolved biogeochemical data necessary to optimize modeling for ocean acidification.

[www.goa-on.org](http://www.goa-on.org)



## Three high level goals:

- Improve our understanding of OA conditions
- Improve our understanding of ecosystem response to OA
- Acquire and exchange data and knowledge required to optimize forecasts for OA and its impacts

## Recent updates:

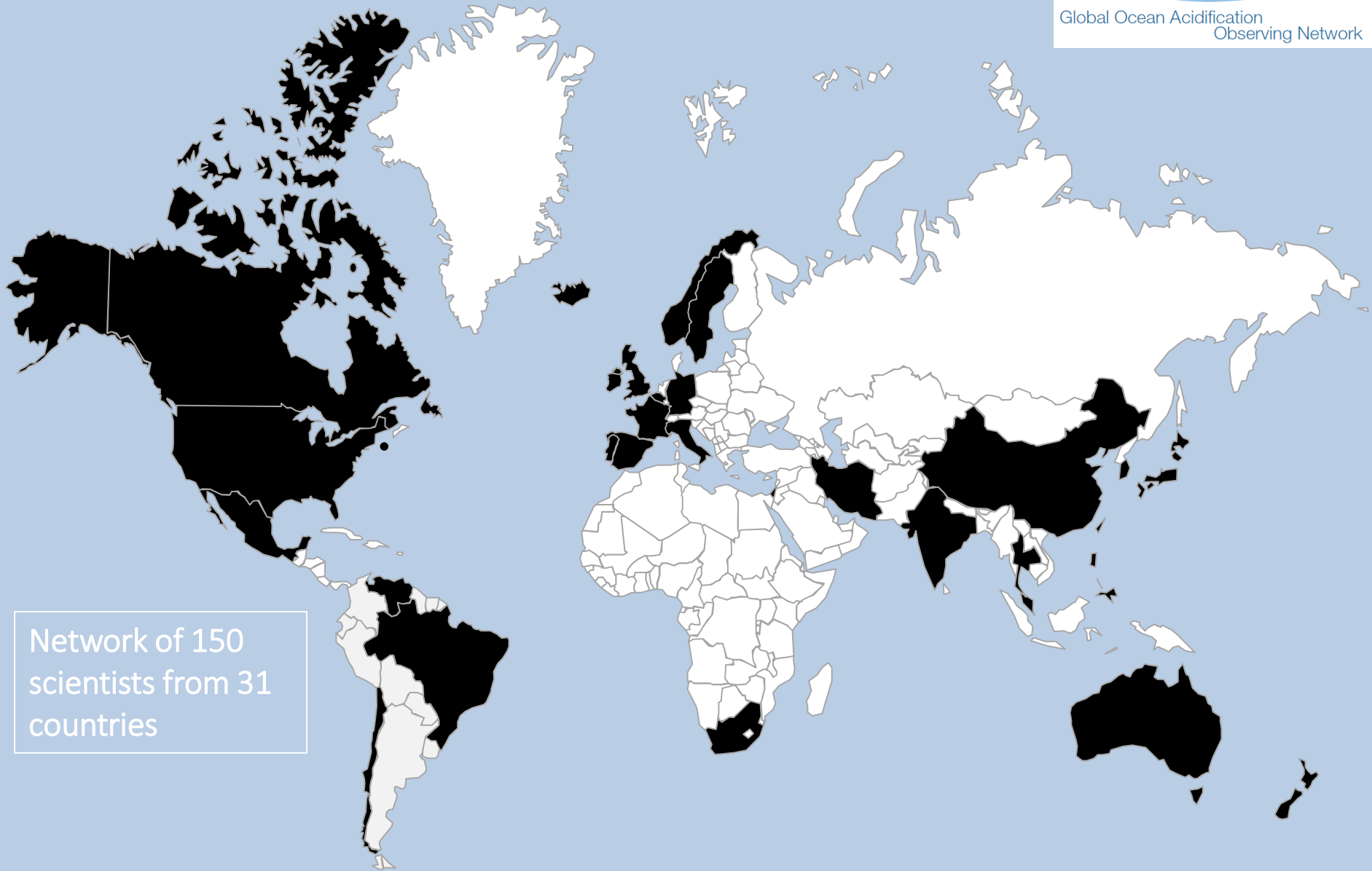
- Establishment of a Distributed Secretariat, with members placed in US NOAA, IOC-UNESCO, and IAEA, and technical staff at University of Washington and NOAA
- Newly established regional hubs: North East Atlantic, North America, Pacific Islands & Territories

# Countries included in the Global Ocean Acidification Observing Network (GOA-ON)



Algeria	Cuba	Korea	Peru	Vanuatu
Angola	Ecuador	Kuwait	Philippines	Venezuela
Antigua & Barbuda	Egypt	Lebanon	Portugal	
Argentina	Estonia	Madagascar	Samoa	
Australia	Fiji	Malaysia	Senegal	
Bangladesh	France	Mauritius	Seychelles	
Barbados	Germany	Mexico	Siint Maarten	
Belgium	Ghana	Micronesia	Solomon Islands	
Belize	Greece	Morocco	Somalia	
Benin	Hong Kong	Mozambique	South Africa	
Bermuda	Iceland	Myanmar	Spain	
Brazil	India	Namibia	Sweden	
Cameroon	Indonesia	Netherlands	Switzerland	
Canada	Iran	New Caledonia	Taiwan	
Chile	Ireland	New Zealand	Tanzania	
China	Israel	Nigeria	Thailand	
Colombia	Italy	Norway	Tonga	
Cook Islands	Jamaica	Oman	Trinidad & Tobago	
Costa Rica	Japan	Palau	Turkey	
Cote d'Ivoire	Jordan	Panama	UK	
DR Congo	Kenya	Papua New Guinea	USA	

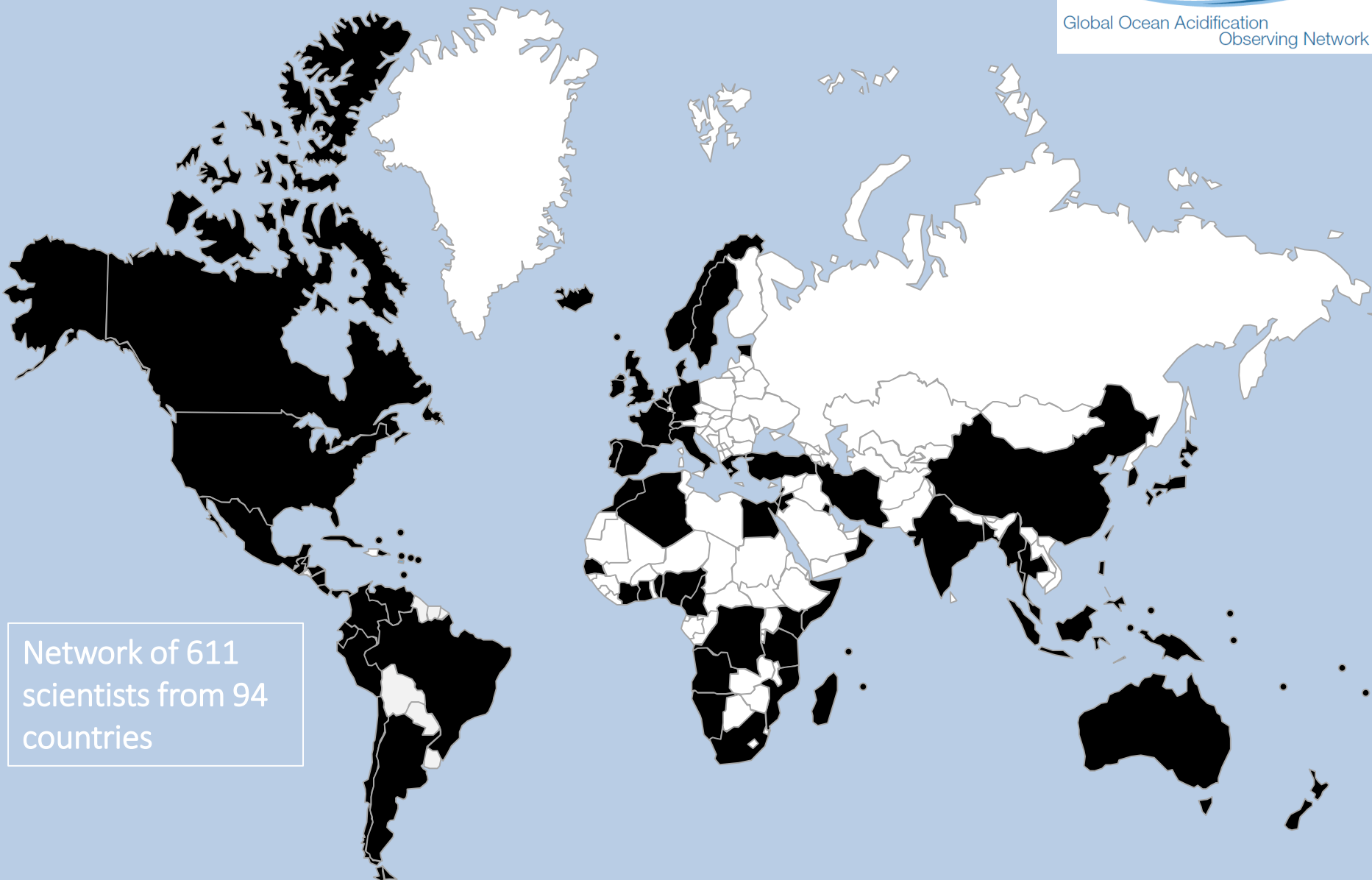
# GOA-ON in 2013



Network of 150  
scientists from 31  
countries

Data from validated 1<sup>st</sup> & 2<sup>nd</sup> GOA-ON workshop participant lists (Seattle, Washington 2012 and St. Andrews, UK 2013)

# GOA-ON in 2019



Network of 611  
scientists from 94  
countries

Data from [www.goa-on.org](http://www.goa-on.org) current members list.

Excluding representatives of UN bodies