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

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24 October 2017
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

![Images of sensor kits in use]
What constitutes success?

• Spatial coverage of observing assets

• Number of scientists trained and contributing to GOA-ON
Come visit us at:
OceanAcidification.NOAA.gov

For the Global Ocean Acidification Observing Network:
www.GOA-ON.org