POGO-21

Plenary Meeting Report

First Institute of Oceanography (FIO), Ministry of Natural Resources

and

Qingdao Pilot Laboratory for Marine Science and Technology (QNLM)

Qingdao, China
19-22 January 2020
# Agenda

## 21st POGO Annual Meeting (POGO-21) and Side Meetings

*Venue: First Institute of Oceanography, Qingdao, China*

### Week at a glance

<table>
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<tr>
<th>Time</th>
<th>Sun 19 Jan</th>
<th>Mon 20 Jan</th>
<th>Tues 21 Jan</th>
<th>Wed 22 Jan</th>
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</thead>
<tbody>
<tr>
<td><strong>Morning</strong></td>
<td>Side Meetings and reception</td>
<td>POGO-21 Open Meeting (Venue: Meeting room 601)</td>
<td>POGO-21 Open Meeting (Venue: Meeting room 601)</td>
<td>POGO AGM (members only) &amp; tour</td>
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<td>POGO Finance Committee Meeting (Venue: Meeting room 504)</td>
<td>Plenary session</td>
<td>Plenary session</td>
<td>Closed session (Venue: Meeting room 601)</td>
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<td><strong>Lunch</strong></td>
<td>FC and BoT lunch (Venue Hyatt Regency Hotel)</td>
<td>Lunch for delegates provided on-site (FIO Canteen)</td>
<td>Lunch for delegates provided on-site (FIO Canteen)</td>
<td>Lunch for AGM delegates provided on-site (FIO Canteen)</td>
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<td>Meeting of POGO Board of Trustees (Venue: Meeting room 504)</td>
<td>Plenary session</td>
<td>Plenary session</td>
<td>Closed session (Venue: Meeting room 601)</td>
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<td>Poster session</td>
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<td><strong>Afternoon</strong></td>
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<td>16:15 Tour at FIO 16:15 – 19:00 Board of Trustees Meeting (Venue: Meeting room 504)</td>
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<td><strong>Evening</strong></td>
<td>19:00 – 21:00 Ice-breaker: All delegates (Venue: Haiqing Hotel)</td>
<td>19:00 – 21:30 Conference Dinner hosted by FIO (Venue: Sophia International Hotel)</td>
<td>19:00 – 21:30 Dinner hosted by QNLM for all delegates (Venue: Blue Horizon Hotel)</td>
<td>19:30 Board dinner</td>
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POGO-21 Meeting Summary

Open Meeting
20th – 21st January 2020

The 21st POGO Annual Meeting (POGO-21) was held at the First Institute of Oceanography (FIO), Ministry of Natural Resources (MNR), in Qingdao, China, from 20-22 January 2020. The meeting was co-hosted by FIO and the Qingdao National Laboratory for Marine Science and Technology (QNLM). This was the second POGO Meeting held in China in POGO’s 20-year history, the first one hosted by the Institute of Oceanology, Chinese Academy of Sciences, in January 2007.

The participants were welcomed by Tiegang Li, General Director of FIO, followed by remarks from the Chair of POGO, Nick Owens. Opening speeches were given by Zhi Chen, Deputy Director of Marine Forecasting and Monitoring Department, MNR, and Shijie Xu, Senior Advisor of Chinese Arctic and Antarctic Administration.

The POGO-21 Meeting was extremely well attended, bringing together 91 delegates from 22 countries – a record for POGO Meetings to date.

The first session of the meeting was an impressive showcase of oceanography and ocean observing in Qingdao, featuring a number of examples of the world-class research facilities, ocean observing programmes and scientific outputs of the various institutions located in Qingdao. This session was complemented by a session on Regional Initiatives, including presentations by the Second Institute of Oceanography, MNR, the South China Sea Institute of Oceanology, Chinese Academy of Sciences, QNLM, and the Japan Agency for Marine-Earth Science and Technology (JAMSTEC).

Presentations by partner organisations provided updates on Climate and Ocean - Variability, Predictability and Change (CLIVAR), the Scientific Committee on Oceanic Research (SCOR), the International Quiet Ocean Experiment (IQOE), and Sustaining Arctic Observing Networks (SAON).

Sessions focusing on POGO’s current priorities included Coastal Observations, the GOOS 2030 Strategy and Outcomes of OceanObs’19, and the UN Decade of Ocean Science for Sustainable Development. Other sessions included updates on POGO activities, and presentations by new POGO members. This year, all members were also invited to make brief interventions on specific new projects or other new developments at their institutions. The detailed agenda and participants’ list can be found on the POGO website.

POGO was delighted to welcome a host of new members who joined since the last POGO Meeting: the Norwegian Polar Institute (NPI), Euro-Mediterranean Center on Climate Change (CMCC, Italy), University of Ghana’s Department of Marine and Fisheries Sciences, the Centre Universitaire de Recherche et d’Application en Télédétection (CURAT, Ivory Coast), the Nigerian Institute for Oceanography and Marine Research and the Oceans Institute from the University of Western Australia.
These new members represent an addition of 3 new African countries to POGO’s membership, as a result of POGO’s recent efforts to increase its membership in Africa, and in particular the previous meeting having been held in Cabo Verde. During POGO-21, several Chinese institutions were present and expressed an interest in joining POGO. One membership application has already been received and accepted by the POGO Board of Trustees, and we hope that several more will follow.

Closing the meeting, Nick Owens thanked the trustees who were stepping down from the Board for all their contributions and commitments to the leadership of POGO: Karen Wiltshire (Deputy Director of the Alfred Wegener Institute in Germany) who served POGO during six years, in turn, as Executive Committee member, Chair and then trustee; and Peter Herzig (Director of GEOMAR Helmholtz Centre for Ocean Research, Kiel, in Germany). Finally, he thanked the hosts for their wonderful hospitality and excellent organisation of the meeting.

The participants’ list can be found in Appendix 2.

**POGO Annual General Meeting**

*22nd January 2020*

The plenary Meeting was followed by the third Annual General Meeting (AGM) of the POGO Charitable Incorporate Organisation. The one-day meeting was attended by 22 members to discuss POGO business, projects, collaborations and future activities. POGO business included the selection of the next POGO meeting venue, approval of the 2018-2019 accounts and Trustees’ Annual Report, amendments to POGO’s constitution and the election of trustees and chair. Two new trustees were elected by acclamation to POGO’s Board: Kim Juniper (ONC, Canada), and Satheesh Shenoi (INCOIS, India). Subsequently a third trustee was appointed by the Board, Edem Mahu (Department of Marine and Fisheries Sciences, University of Ghana). Henk Brinkhuis (NIOZ, Netherlands) was elected for a second term from Jan 2020 to Jan 2022 and Nick Owens (SAMS, UK) was elected to serve a second term as Chair from Jan 2021 to Jan 2023. The POGO Board and Secretariat would like to extend a warm welcome to the new trustees and look forward to working together over the next two years.

The members discussed POGO’s projects for the coming year, including a possible new proposal to the Lounsbery Foundation, contributions to the UN Decade of Ocean Science for Sustainable Development, the “Open Access Marine Observation Devices” (OpenMODs) project, the POGO/Blue Planet “Oceanscape” portal and the continuation of collaborations with GOOS (e.g. members’ ocean observing systems survey, follow-up to Ocean Obs’19 and the implementation of the Acoustic EOV). The minutes of the 3rd AGM have been drafted separately and circulated to the members.
POGO-21 delegates at the First Institute of Oceanography in Qingdao, China. Photo Credit: FIO.
Appendix 1. Agenda

Monday 20th January
Venue: Meeting room 601

8:15 Buses from Hyatt Regency & Sophia International Hotels to FIO
8:15 – 9:00 Registration
9:00 – 9:30 Opening session (Chair: Tiegang Li)
  - Host welcome: Tiegang Li
  - Remarks from the POGO Chair
  - Opening speeches by Zhi Chen, Deputy Director of Marine Forecasting and Monitoring Department, MNR
  - Opening speeches by Shijie Xu, Senior Advisor of Chinese Arctic and Antarctic Administration
  - Closure of formal opening session
9:30 – 9:35 Meeting logistics (Hosts and Secretariat)
9:35 – 11:00 Showcase of oceanography and ocean observing in Qingdao (Chair: Tiegang Li)
  9:35 Ocean and Climate Models Development at FIO, China: Fangli Qiao
  10:00 Introduction to the Scientific Observing Network of CAS (CASSON): Fan Wang
  10:20 Recent activities of the Tropical Indian Ocean Observation on Marine and Climate Variability in FIO: Lin Liu
11:00 – 11:30 Group photo and Coffee break
11:30 – 13:00 Updates on POGO activities (Chair: Edgar Pavia)
  11:30 Highlights: Nick Owens
  11:45 Progress Report: Sophie Seeayve/Lilian Krug
  12:10 Update on NANO Global Projects: Adriana Gonzalez, Kirill Kivva
  12:30 NF-POGO Centre of Excellence: Peter Lemke
  12:45 Report on POGO Biological Observations WG: Margaret Leinen
13:00 – 14:00 Lunch
  Venue: FIO Canteen
14:00 – 15:20 Introduction of new members (Chair: Karen Wiltshire)
  14:00 Instituto de Investigaciones Marinas y Costeras (INVEMAR), Colombia: Francisco Arias
  14:10 University of Algarve, Portugal: Lilian Krug
  14:20 Norwegian Polar Institute: Kim Holmén
  14:30 Euro-Mediterranean Center on Climate Change (CMCC), Italy: Marco Marcelli
  14:40 University of Ghana Department of Marine and Fisheries Sciences: Edem Mahu
  14:50 Centre Universitaire de Recherche et d’Application en Télédétection, Ivory Coast: Brice Mobio
  15:00 Benin Consortium (IRHOB/ICMPA): Zacharie Sohou
  15:10 Oceans Institute, University of Western Australia: Charitha Pattiarachi
  15:20 Nigerian Institute for Oceanography and Marine Research: Akintoye Akinnigbabe
15:30  Ocean Networks Canada (ONC): Kim Juniper

15:40–16:10  Poster Session Postgraduate Students and NANO alumni & Coffee break

16:10–16:40  Introduction of new/emerging initiatives by members (slides to be provided in background materials)

16:40–17:30  Closed session (POGO members only):
- Audited financial statements for 2018 (Canadian + UK) and partial statement for FY 2019-20
- Discussion of dues for 2021 and 2022

19:00–21:30  Conference Dinner
Venue: Sophia International Hotel

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**Tuesday 21st January**

**Venue: Meeting room 601**

8:30  Buses from Hyatt Regency & Sophia International Hotels to FIO

09:00–10:00  Partner organisations and projects (Chair: Albert Fischer)

  9:00  Climate and Ocean -Variability, Predictability and Change (CLIVAR): Jose Santos
  9:15  Scientific Committee on Oceanic Research (SCOR): Ed Urban (remote)
  9:30  International Quiet Ocean Experiment (IQOE): Ed Urban (remote)
  9:45  Sustaining Arctic Observing Networks (SAON): Sandy Starkweather (remote)

10:00–11:00  Regional initiatives (Chair: Gongke Tan)

  10:00  Second Institute of Oceanography: Cai Fei
  10:15  South China Sea Institute: Du Yan
  10:30  JAMSTEC’s microplastics research and collaboration in yacht race in 2020 Tokyo Olympics: Hide Sakaguchi
  10:45  Outcomes of Global Transparent Ocean Community Workshop hosted by QNLM: Zhaohui Chen

11:00–11:30  Coffee break

11:30–13:00  Session: Coastal Observations (Co-Chairs: Tony Knap & Gilles Lericolais)

  11:30  European Coastal Observing –JERICO projects: Patrick Farcy (remote)
  11:45  Chinese Coastal Observing System: Peng Wei
  12:00  The “Ocean of Things” for Coastal Observatories: Marco Marcelli
  12:15  EMODnet Partnership for China and Europe - Strengthening international ocean data through the EU’s ocean diplomacy with China: Jan-Bart Calewaert (remote)
  12:30  Discussion

13:00–14:00  Lunch
Venue: FIO Canteen
14:00 – 15:15  Session: GOOS 2030 Strategy, OceanObs’19 outcomes and planning for the next decade of ocean observing (Chair: Nick Owens)

14:00  GOOS 2030 Strategy: Albert Fischer
14:15  Outcomes of OceanObs’19: Martin Visbeck
14:30  New EU project EuroSea: Francisco Arias
14:45  Discussion

15:15 – 15:45  Poster Session Postgraduate Students and NANO alumni & Coffee break

15:45 – 17:15  Session: the UN Decade of Ocean Science for Sustainable Development (Chair: Margaret Leinen)
15:45  Overview, current status and future plans for the Decade: Martin Visbeck
16:00  Short interventions by POGO members on possible POGO projects as contributions to the Decade
   - Francisco Arias
   - Eduardo Balguerías
   - Kim Juniper
   - KIOST
16:30  General discussion

17:15 – 17:30  Plenary Meeting Closure (Nick Owens)

19:00 – 21:30  Dinner for all delegates

Venue: Blue Horizon Hotel
## Appendix 2. Participants’ list

<table>
<thead>
<tr>
<th>Organisation</th>
<th>Position</th>
<th>Country</th>
<th>Surname</th>
<th>First name</th>
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<tr>
<td>Institute for Marine and Antarctic Studies (AIMS)</td>
<td>Executive Director</td>
<td>Australia</td>
<td>Bailey</td>
<td>Terry</td>
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<td>The University of Western Australia</td>
<td>Professor</td>
<td>Australia</td>
<td>Pattiaratchi</td>
<td>Charitha</td>
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<tr>
<td>Commonwealth Scientific and Industrial Research Organisation (CSIRO)</td>
<td>Principal Research Scientist</td>
<td>Australia</td>
<td>Evans</td>
<td>Karen</td>
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<tr>
<td>Vlaams Instituut voor de Zee (VLIZ)</td>
<td>General Director</td>
<td>Belgium</td>
<td>Mees</td>
<td>Jan</td>
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<td>Institut de Recherches Halieutiques et Océanologiques du Bénin (IRHOB)</td>
<td>Lecturer</td>
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<td>Zacharie</td>
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<td>Ocean Networks Canada (ONC)</td>
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<td>Juniper</td>
<td>Kim</td>
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<td>Institute &quot;Jose Benito Vives de Andreis&quot; - INVEMAR</td>
<td>Head of International Cooperation Department</td>
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<td>The Marine and Coastal Research Institute</td>
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<td>Centre Universitaire de Recherche et d’Application en Télédétection (CURAT)</td>
<td>Director</td>
<td>Colombia</td>
<td>Arias-Isaza</td>
<td>Francisco Armando</td>
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<tr>
<td>InstitutFrancais pour l’ Exploitation de la Mer (Ifremer)</td>
<td>Senior Lecturer</td>
<td>Cote D’Ivoire</td>
<td>Mobio</td>
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<td>Alfred-Wegener-Institut Helmholtz Centre for Polar and Marine Research (AWI)</td>
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**NANO Members**

**Secretariat**