**INTERNATIONAL QUIET OCEAN EXPERIMENT (IQOE)**

The International Quiet Ocean Experiment (IQOE) is the first international project designed to help coordinate and gain synergy from isolated passive acoustic observations and experiments taking place worldwide. IQOE implementation has so far consisted mainly of four components: (1) creation of focused working groups, (2) endorsement of national and regional projects that will help IQOE fulfill its goals, (3) proposal of an Ocean Sound Essential Ocean Variable (EOV), and (4) establishment of an international IQOE data office to compile and make available acoustic and bioacoustic data. IQOE is stimulating new observations of ocean sounds and helping to coordinate existing observations and to make ocean acoustic and bioacoustic data more accessible.

**IQOE WORKING GROUPS**

IQOE has formed 5 working groups so far to focus on specific issues:

1. **Acoustic Measurement of Ocean Biodiversity Hotspots**
2. **Arctic Acoustic Environment**
3. **Data Management and Access**
4. **Marine Bioacoustical Standardization**
5. **Standardization**

The IQOE WG on Acoustic Measurement of Ocean Biodiversity Hotspots brings together scientists from different parts of the world who are monitoring the sounds of marine organisms as a measure of marine biodiversity (see two examples of observation approaches in photos below).

**IQOE-ENDORSED PROJECTS**

IQOE has endorsed 7 national and regional projects so far. These projects help achieve IQOE goals and IQOE assists these projects by providing mechanisms for agreements on standardized methods of data collection and archiving.

1. **ADEON**: Atlantic Deepwater Ecosystem Observatory Network
2. **JOMOPANS**: Joint Monitoring Programme for Ambient Noise North Sea
3. **JONAS**: A Joint program for Ocean Noise in the Atlantic Seas
4. **PHYSIC**: Ports, Humpbacks, Y Soundscape In Colombia
5. **QUIETMED2**: Joint programme for GES assessment on D11-noise in the Mediterranean Marine Region
6. **SanctSound**: NOAA Navy Sanctuary Soundscape Monitoring Project
7. **TANGO**: Rerouting shipping lanes in the Kattegat – effects on soundscape and ecosystem

By three photos below show examples of deployments of hydrophones the three different IQOE-endorsed projects.

**OCEAN SOUND ESSENTIAL OCEAN VARIABLE (EOV)**

The Partnership for Observation of the Global Ocean (POGO) formed an IQOE Working Group to work on observation related issues: (1) making information about passive acoustic observing systems available on the IQOE Website and (2) proposing an Ocean Sound EOV.

The Biological and Ecology Panel of the Global Ocean Observing System approved the Ocean Sound EOV. The next step will be an implementation meeting focused on this EOV.