gustav / July 05, 2009 05:08PM

[Climate][Environmental] Taiwan Has Made the First Maiden Voyage of GHG Marine Observation in the World

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(Chinese Version)

udn.com/CNA-News (2009/07/04) & Liberty Times E-paper (2009/07/05) "Pacific Greenhouse Gases Measurement" program (PGGM) has begun since 2008 and its first voyage of marine measurement has just been accomplished on 4th-Jul. This is the first marine measurement platform in the world, and, by being integrated with air measurement platform, it will be extended into the biggest oceanic-atmospheric observation platform monitoring the global status of greenhouse gases (GHG).

All of the present GHG monitoring methods apply atmospheric means such as satellite, and now one more new method is added by Taiwan researchers: marine measurement. "PGGM," begun in 2008, is supported by NSC and Environmental Protection Administration and executed by National Central University. This year, Evergreen Marine Corp. contributes its "Ever Ultra" to assist the measurement voyages. This first voyage on the Western Pacific observation began on 22nd-Jun. in the Port of Kaohsiung, passing by Xiamen Port, Hong Kong Port, Yentien Port, Shanghai Port and Ningpo Port, and returned to Taipei Port on 4th-Jul. This is the first marine measurement platform collecting marine boundary data in the world.

According to udn.com/CNA-News (2009/07/04), the program director Chair of NCU-Center for Environmental Studies Kuo-Ying WANG said that after PGGM succeeded the first task of its marine measurement platform, the program would extend the scale, building the biggest oceanic-atmospheric GHG measurement platform in the world. PGGM will integrate the marine measurement platform with Formosa Satellite No. 3's data of global water vapour and the carbon dioxide measurement data collected by ten China Airline's Boeing airplanes (B747-400). He believed that the integrated studies would unveil the change of GHG density in the Pacific Area in the following ten to twenty years. This would also help with the international studies of the global warming.

Further Information:
Pacific Greenhouse Gases Measurement
National Central University Campus News 2009/07/05 (Chinese)
udn.com/CNA 2009/07/04 (Chinese)
Liberty Times E-paper 2009/07/05 (Chinese)

Edited 1 time(s). Last edit at 07/06/2009 12:10PM by mepoadm.