

**Twenty-eight session
New York, 28 April – 2 May 2014**

Item 8 of the Provisional Agenda

**Activities relating to the Working Group on
Training Courses in Toponymy**

**Outreach Activities for Promoting Use of
Marine Geographical Names ***

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Outreach Activities for Promoting Use of Marine Geographical Names[†]

SUMMARY

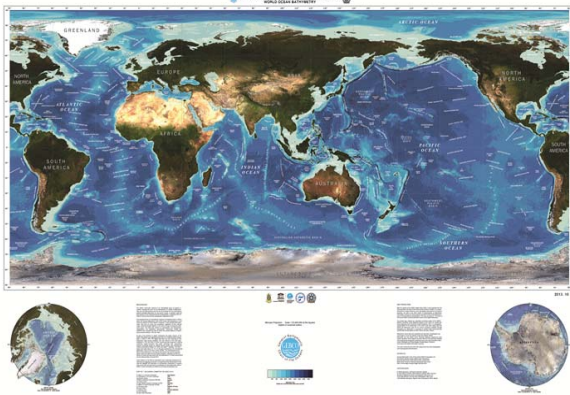
The Korea Hydrographic and Oceanographic Administration (KHOA) of the Ministry of Oceans and Fisheries (MOF) endeavors for the naming and standardization of marine geographical names and contributes to the dissemination of standardized marine geographical names. In the period of 2012-2013, KHOA organized a wide range of outreach activities related to marine geographical names. It produced eight different versions of derived maps based on the GEBCO World Map - with Eurasia/America at the center, with/without sea and ocean names, with undersea feature names, in Korean/English. It also developed a web-based game and a webtoon to bring about more interest in marine geographical names from the general public and help them understand the marine geographical names better. In addition, KHOA hosted an exhibition on marine geographical names under the theme “Oceans, Earn Names and Fame” and provided comprehensive information on marine geographical names combined with artistic perspectives. The 7th and 8th International Symposiums on Application of Marine Geophysical Data and Undersea Feature Names held in 2012 and 2013, and invited experts across the world and created opportunities to the experts and participants to share information on their activities and to take part in in-depth discussions. KHOA also developed and offered training programs on marine geographical names for primary school students and teachers working in primary and secondary schools.

The Korea Hydrographic and Oceanographic Administration (KHOA) under the Ministry of Oceans and Fisheries (MOF) has made constant efforts in enhancing the standardization of domestic marine geographical names as well as promoting the use of standardized names. In the period of 2012-2013, KHOA conducted five major outreach activities on marine geographical names.

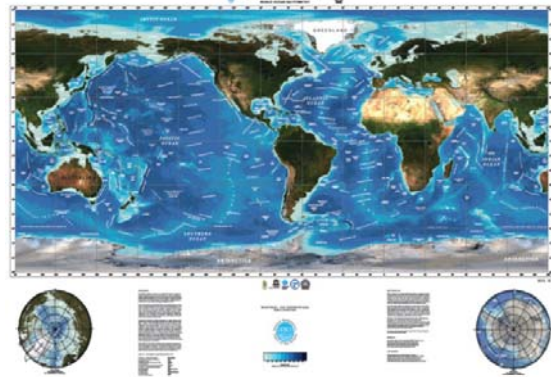
1. Production of Derived GEBCO World Map

KHOA produced eight versions of derived maps based on the GEBCO World Map. Eight different versions of derived map were produced with Eurasia/America at the center, with/without sea and ocean names, with undersea feature names, in Korean/English. These versions will allow users to view the oceans in the vicinity of their country without any disruption of map boundaries. The derived map uses sea and ocean names and undersea feature names as an information layer.

[†]This working paper pertains to the UNCSGN resolutions IX/7 (Dissemination of information concerning the origin and meaning of geographical names) and I/7 (Regional meetings).



Derived GEBCO World Map with Eurasia at the Center



Derived GEBCO World Map with America at the Center

Figure 1. Examples of Derived GEBCO World Map with Eurasia/America at the Center

2. Production of Web-based Game and Webtoon on Marine Geographical Names

The web-based game has been designed to be used as a learning tool for marine geographical names. This game may be made available on the KHOA portal site (<http://khoa.go.kr/>) and used as part of outreach services. The game takes the format of “spot the difference.” After playing the game, users can learn about the different types of marine geographical features and terms. The game was created to be used as a fun learning tool.

The webtoon on marine geographical names consists of five chapters. Various diagrams and pictures featured in the webtoon provide easy-to-understand explanations which help readers understand the terms and registration procedures. The webtoon is available in both Korean and in English so that the international community can utilize it as a learning tool.



Web-based Game Page



Webtoon Page

Figure 2. Example Pages of Web-based Game and Webtoon on Marine Geographical Names

3. Exhibition on Marine Geographical Names

KHOA hosted a month-long exhibition on marine geographical names titled “Oceans, Earn Names and Fame” from October 30 to November 30, 2013. The exhibition was divided into four sections: ‘Wider Look of the Ocean,’ ‘Closer Look into the Ocean,’ ‘Oceans, Earn Korean Names and Fame,’ and ‘Our Magnificent Seas.’ The exhibition provided comprehensive information on marine geographical names utilizing various techniques to foster a general understanding of marine geographical names. In particular, the significance of this exhibition lay in that it moved away from a dry information-focused exhibition and explored the marine geographical feature names with artistic perspectives. Artistic works were created offering new perspectives on marine geography and marine geographical names.



Figure 3. Exhibition on Marine Geographical Names

4. International Symposium on Application of Marine Geophysical Data and Undersea Feature Names

The 7th International Symposium on Application of Marine Geophysical Data and Undersea Feature Names held in 2012 consisted of two sessions: Enhancement in Technologies of Undersea Feature Measurements, and Management and History of Marine Geographical Names. During the symposium, seven papers were presented.

In 2013, KHOA hosted the 8th International Symposium on Application of Marine Geophysical Data and Undersea Feature Names at the National Maritime Museum in Busan with the following themes: Management and History of Undersea Feature Names, Outreach Service of Undersea Feature Names, and Enhancement in Technologies of Undersea Features. Domestic and international experts presented seven papers and took part in in-depth discussions.

Table 1. Main Themes of the 7th and 8th International Symposium

Year (No.)	Session	Title	Presenter
2012 (7 th)	Enhancement in Technologies of Undersea Feature Measurements	Some Cartographic Aspects of the General Bathymetric Chart of the Oceans (GEBCO)	Nataliya TURKO (Geological Institute of Russian Academy of Science / GGC Member, Russia)
		How Should SCFUN Deal with Micro Undersea Features? : A Question Raised for the Near-Feature AUV Era	Yasuhiko OHARA (Researcher, Hydrographic and Oceanographic Department of Japan/ SCUFN Member, Japan)
		Workaround to Remove Artifacts from Multibeam Bathymetric Data	Jeong Min LEE (Vice Director of Korean Seabed Information Research Institute, ROK)
		National Activities on Undersea Feature Naming of Indonesia	Captain ROSYID (DISHIDROS, Indonesia)
	Management and History of Marine Geographical Names	The History of Electronic Seafloor Mapping	Norman Cherkis (President, Five Oceans Consultants, SCUFN Member, TSCOM Member, USA)
		SCUFN Accomplishments from 2002 to 2012 – A Retrospect -	Hans Werner SCHENKE (Professor , Alfred Wegener Institute for Polar and Marine Research / SCUFN Chairman, GGC Member, TSCOM Member, Germany)
The Impact of Developed Countries on Hydrographic History of Korea in late 1700 ~ early 1900's		Kyeong PARK (Professor, Sungshin Women's University, ROK)	
2013 (8 th)	Management and History of Undersea Feature Names	Recent Movements in Undersea Feature Naming	Hans Werner SCHENKE (Professor, AWI / SCUFN Chairman, GGC Member, Germany)
		The Centenary of Severnaya Zemlya Discovery and the History of its Toponymy	Nataliya TURKO (Researcher, GIN-RAS / GGC Member, Russia)
	Outreach Service of Undersea Feature Names	Global Outreach Initiatives for Collecting Undersea Toponyms: Comparisons Between SCUFN, ACUF, Academia and Commercial Enterprises	Norman CHERKIS (President, FOC, SCUFN Member, TSCOM Member, USA)
		Introducing to the JCFUN Gazetteer	Yasuhiko OHARA (Researcher, HODJ / SCUFN Member, Japan)
		Outreach Service of Marine	Jang-Hyun AHN (KHOA,ROK)

Year (No.)	Session	Title	Presenter
		Geographical Names	
	Enhancement in Technologies of Undersea Features	Interoperability of Geophysical and Maritime Boundary Data	Gi-Gab HA (Marketing Director, KESTI, ROK)
		Current Airborne Lidar Bathymetry Technology and its Application on Marine Topography Naming	Sun-Woong KIM (CEO, Geomonitoring, ROK)

5. Development and Delivery of Training Programs on Marine Geographical Names for Primary School Students and Teachers at Primary and Secondary Schools

With an aim of raising awareness of the importance of marine geographical names, a training program for teachers at primary and secondary schools was developed and delivered for those responsible for marine education. The training program 2013 consisted of a total of six sessions, including trends in the term “East Sea”, undersea features, and marine geographical names. In particular, the session on marine geographical names was expected to further broaden the participating teachers’ knowledge and understanding of marine geographical names and promote the importance of marine geographical names and education on marine science.

A marine summer camp programme was offered for primary school students in Busan to increase their understanding and interest of marine geographical names and the oceans. The participating students had opportunities to obtain general knowledge and information about the oceans through various activities.



Training Program for Primary and Secondary School Teachers



Marine Summer Camp Program for Primary School Students

Figure 4. Pictures of Training Programs on Marine Geographical Names

6. Future Plans

To promote the naming and standardization of marine geographical names, the Korea Hydrographic and Oceanographic Administration will continue to conduct hydrographic surveys in the Korean territorial waters and endeavor to ensure the standardization of geographical names in Korea. In addition, it is planning to host the 9th international symposium in 2014 and provide a platform to discuss issues associated with naming of undersea features and relevant outreach activities. KHOA will continue to conduct diverse activities and programs for the increased use of standardized geographical names, including the production of derived maps and training programs.