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**Eleventh United Nations Conference on the
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**National and international meetings, conferences, symposiums, publicity
and publications**

**International Symposium on Application of Marine Geophysical Data
and Undersea Feature Names, 2012~2016**

Submitted by the Republic of Korea**

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International Symposium on Application of Marine Geophysical Data and Undersea Feature Names, 2012~2016[†]

SUMMARY

The International Symposium on Application of Marine Geophysical Data and Undersea Feature Names has been annually held from 2012 to 2016. Each year, participants discussed the issues of the acquisition, management and application of marine geophysical data and naming undersea features by sharing experiences of each country, in paper presentations and discussions. This annual symposium intends to promote the application of geophysical data to the field of undersea feature naming, which can be usefully applied to enhance the activities of the GGC (GEBCO Guiding Committee, jointly run by the International Hydrographic Organization and the Intergovernmental Oceanographic Commission) and its subsidiary body SCUFN (Sub-Committee on Undersea Feature Names). Presented papers are published as symposium proceedings annually to share experience with various affiliations related to marine geographical names.

The International Symposium on Application of Marine Geophysical Data and Undersea Feature Names has continued from 2012 and 2016 in Korea. This Symposium has played a role in the acquisition, management and application of marine geophysical data and naming undersea features of each participating country. 43 papers were presented and international experts took part in in-depth discussion in this period. In particular the Symposium consisted of more than two sessions every year and various papers were presented, enhancing the efficiency of expertise sharing among experts (Table 1). Launched in 2006, the Symposium has collected 102 original papers so far.

Table 1. Sessions at each International Symposium on Application of Marine Geophysical Data and Undersea Feature Names in 2012~2016

Year (No.)	Session
2012 (7 th)	Enhancement in Technologies of Undersea Feature Measurements
	Management and History of Marine Geographical Names
2013 (8 th)	Management and History of Undersea Feature Names
	Outreach Service of Undersea Feature Names
	Enhancement in Technologies of Undersea Features
2014 (9 th)	Undersea Feature Names and Hydrography
	Undersea Features and Application of Marine Geophysical Data
	Sustainable Marine Spatial Data Management
2015 (10 th)	Retrospects and prospects
	Ocean Mapping and Management of Oceanographic Data and Undersea Feature Names
	Outreach Service of Undersea Feature Names
	Enhancement in Technologies of Undersea Features
2016 (11 st)	Activities of Naming Undersea Features
	The Mapping and Application of Oceanographic Data
	Management and History of Marine Geographical Names

[†] This working paper pertains to the UNCSGN resolution I/7 (Regional meetings).

The original proposal for this Symposium came from members of SCUFN (Sub-Committee on Undersea Feature Names) and KHOA (Korea Hydrographic and Oceanography Agency). The aim of this Symposium was based on the goal of the GGC (GEBCO Guiding Committee) and SCUFN: prepare and maintain international gazetteers and supplements of undersea feature names; prepare and maintain internationally agreed guidelines for the standardization of undersea feature names and encourage their use. It is necessary to develop a new approach for the application of marine geophysical data and undersea feature names through considering its problems, challenges and opportunities.

Each year, participants discussed and shared ideas on case studies from government offices and research institutes and technical issues from academic field and business sectors. There were two important issues: technical and naming issue.

Regarding technical issues, participants reported on the enhancement in technologies and scientific methods for identifying undersea feature, mapping of oceanographic data, management and application of marine geophysical data, data acquisition and measurement, etc.

When it comes to naming issues, participants reported on naming activities and history of undersea feature names, nomenclature, standardization and gazetteer, outreach service (web service), toponym usage, etc. (Figure 1).

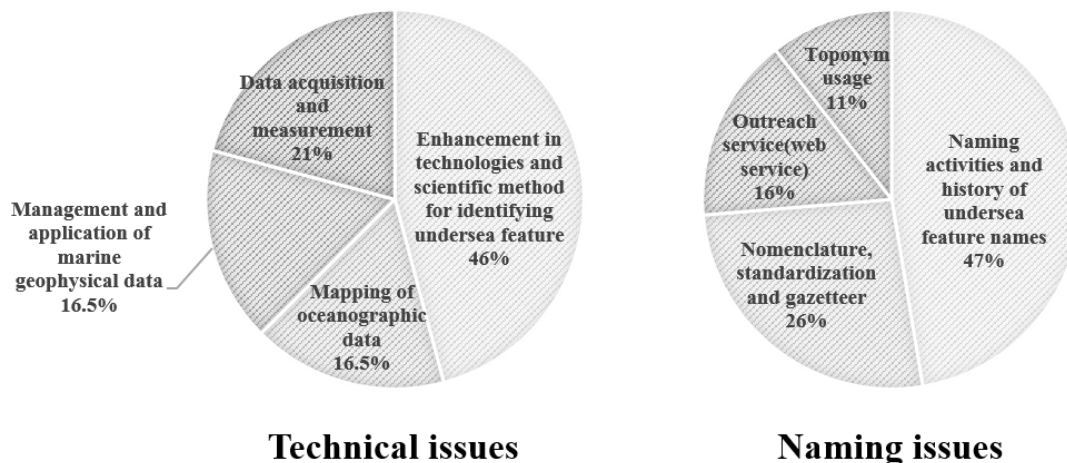


Figure 1. Technical and naming issues discussed at the Symposium between 2012 ~ 2016

There were three significant results at this Symposium.

- 1) It shows new ideas to promote the application of geophysical and undersea feature naming field in every Symposium. New ideas can be applied to promote activities of GGC or SCUFN.
- 2) This Symposium is harmonized between theoretical and practical issues by presenting the papers from university (12%), institute (30%), private agency (30%), and government (28%). Theoretical ideas discussed at this symposium were applied to national policy and enabled better practice in business sector. Furthermore, practical demand and national policy gave rise to revitalization of academic research.
- 3) The proceeding that was presented at the Symposium was published in the form of a book annually and experts can share their professional experience through this proceeding.