



# Capacity Building Activities of KHOA

12 September 2023  
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International Cooperation Team



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*01*  CB Introduction

# BACKGROUND



- ✓ IHO Capacity Building Sub-Committee
  - Established for technological support and evaluation for capacity building of the IHO Member States (MSs)
  - Performs capacity building tasks with the IHO budget and special contributions from the MSs
  - IHO delivers CBSC-driven capacity building activities to reduce the gap among hydrographic offices and to promote capacity building
  
- ✓ EAHC Training, Research & Development Center (TRDC)
  - 11<sup>th</sup> EAHC Conference (Sept 2012) decided to establish the TRDC to develop technology for hydrographic surveying and nautical cartography suited to the East Asian region and to establish a foundation for training and capacity building.
  - 7<sup>th</sup> EAHC Coordination meeting (Jan 2013) decided to establish the TRDC in ROK.

Since the sponsorship for the USM programme has started,  
KHOA has **raised 21 talented hydrographic experts from 13 countries for the past 10 years.**

# HISTORY



2006

MOU (May)

MOU for the support of IHO Capacity Building Programme between the ROK Gov. and IHO

2011

● MOU renewal (June)

Revised paragraphs to establish the Programme Management Board

- Support for CB programmes (contributed €77 000)
- Hydrographic Training Course
- Multibeam Sonar Training Course

2013

● Establishment of TRDC in ROK

In accordance with a decision made at the 7<sup>th</sup> EAHC Coordination meeting

2013~

● Start of training programmes

313 alumni from 80 countries

- Category "A"     ▪ KOICA
- Category "B"     ▪ EAHC Training for Trainers

# ROK-IHO MOU FOR IHO CAPACITY BUILDING PROGRAMME



## ✓ ROK-IHO MOU in 2006

The ROK Government wishes to make contribution available to the IHO for helping developing countries improve their ability to comply with international standards relating to hydrographic surveying, oceanographic observation and nautical charts production.

## ✓ Renewal of the ROK-IHO MOU in 2011

Changes to some wordings and the addition of a paragraph on the Programme Management Board

**Memorandum of Understanding for the support of IHO Capacity Building Programme**  
**Between**  
**the Government of the Republic of Korea and the International Hydrographic Organization**

For the Government of Republic of Korea

Sung-Jin KIM

Minister

Ministry of Maritime Affairs and Fisheries

Republic of Korea

Date: 05/01/06

For the International Hydrographic Organization

Vice Admiral Alexandros MARATOS

President

Directing Committee

International Hydrographic Bureau, Monaco

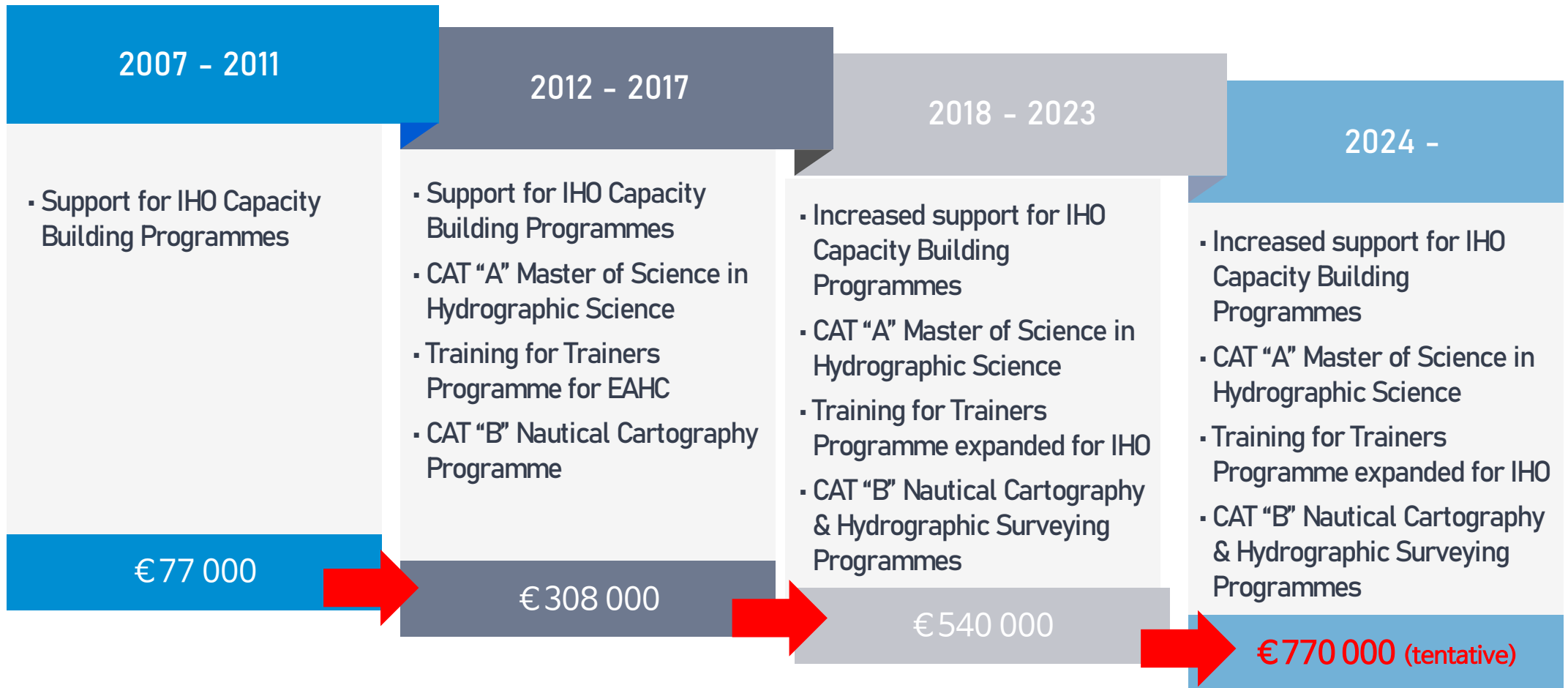
Date: 1 - 05 - 06



# BUDGET HISTORY



- Running and expanding various training programmes targeting IHO Member States
- Increased contributions from €77 000 (2006) → €308 000 (2012) → €540 000 (2018) → €770 000 (tentative, 2024-)
- 27 people from 18 countries have completed training programmes supported by ROK since 2013



# BUDGET DETAILS



Year	Capacity Building Programmes	Allocation (€)
2007-2010	<ul style="list-style-type: none"> <li>Support for IHO Capacity Building Programmes</li> </ul>	<b>77,000</b>
2011-2017	<ul style="list-style-type: none"> <li>Support for IHO Capacity Building Programmes</li> <li>CAT "B" Nautical Cartography</li> <li>Multibeam Sonar Training Course</li> <li>Hydrographic Training Course</li> <li>Database Design and Management (2012)</li> <li>Tide and Current Data Use and Management Course</li> <li>EAHC Training for Trainers Programme in Basic Hydrography</li> <li>CAT "A" Master of Science in Hydrographic Science</li> </ul>	<b>308,000</b>
2018-2023	<ul style="list-style-type: none"> <li>Support for IHO Capacity Building Programmes</li> <li>CAT "B" Nautical Cartography &amp; Hydrographic Surveying</li> <li>Training for Trainers Programme in Basic Hydrography for EAHC &amp; IHO</li> <li>CAT "A" Master of Science in Hydrographic Science</li> </ul>	<b>540,000</b>
2024-	<ul style="list-style-type: none"> <li>Support for IHO Capacity Building Programmes</li> <li>CAT "B" Nautical Cartography &amp; Hydrographic Surveying</li> <li>CAT "A" Master of Science in Hydrographic Science</li> </ul>	<b>770,000 (tentative)</b>





*02* CB Activities of KH0A

# CAT “A” Master of Science in Hydrographic Science



The purpose of the programme is to provide students with technical and practical expertise in advanced hydrographic methods and standards that will enable them to assume leadership roles in using modern techniques.

- ✓ 21 alumni from 13 countries (since 2013) : Bahrain, Bangladesh, Estonia, Guatemala, Jamaica, Malaysia, Mauritius, Mexico, Nigeria, Philippines, Romania, Thailand, Tunisia



# CAT “B” Nautical Cartography Programme



The aim of the Programme is to train and equip the students with the knowledge and skills required of a competent nautical cartographer.

First recognized by the IBSC in 2014 ✓  
\* re-recognized in 2020

1<sup>st</sup> course in 2015–2017 ✓

2<sup>nd</sup> course in 2019 ✓

16 alumni from 12 countries: ✓

Bahrain, Cuba, Ecuador, Fiji, Indonesia,  
Philippines, Republic of Korea, Singapore,  
Sri Lanka, Suriname, Venezuela, Vietnam



Opening Ceremony of the CAT “B” Nautical Cartography, June 2023

# CAT “B” Hydrographic Surveying Programme



The aim of the Programme is to train and equip participants with the knowledge, practical competencies and skills necessary to support the planning, data processing and analysis of hydrographic surveys confidently and effectively.

First recognized by the IBSC in 2017 ✓

\* re-recognized in 2023

1<sup>st</sup> course in 2018 ✓

2<sup>nd</sup> course in 2022 ✓

25 alumni from 18 countries: ✓

Cameroon, Colombia, Cyprus, Fiji, Georgia,  
Greece, Guyana, Indonesia, Iran, Jamaica,  
Nigeria, Philippines, Republic of Korea,  
Russia, Singapore, Tunisia, Ukraine, Uruguay



# Training for Trainers Programme (TFT)



The Programme aims to train a pool of trainers from different IHO Member States so that they can conduct training for their respective hydrographic offices.

- Started since 2013 targeting EAHC, Operation began since 2019 targeting the entire IHO Member States.

1<sup>st</sup> course in 2019 for IHO MSs ✓

2<sup>nd</sup> course in 2021 as hybrid for  
IHO MSs ✓

93 alumni from 29 countries: ✓

Bangladesh, Bulgaria, Chile, Colombia, Croatia, Georgia, Ghana, Guatemala, Latvia, Malaysia, Mauritius, Myanmar, Nigeria, Peru, Republic of Korea, Saudi Arabia, Singapore, Sri Lanka, Thailand, Tunisia, Uruguay, Venezuela, Vietnam, etc.



# KOICA Training for Ocean Observation and Hydrographic Surveying



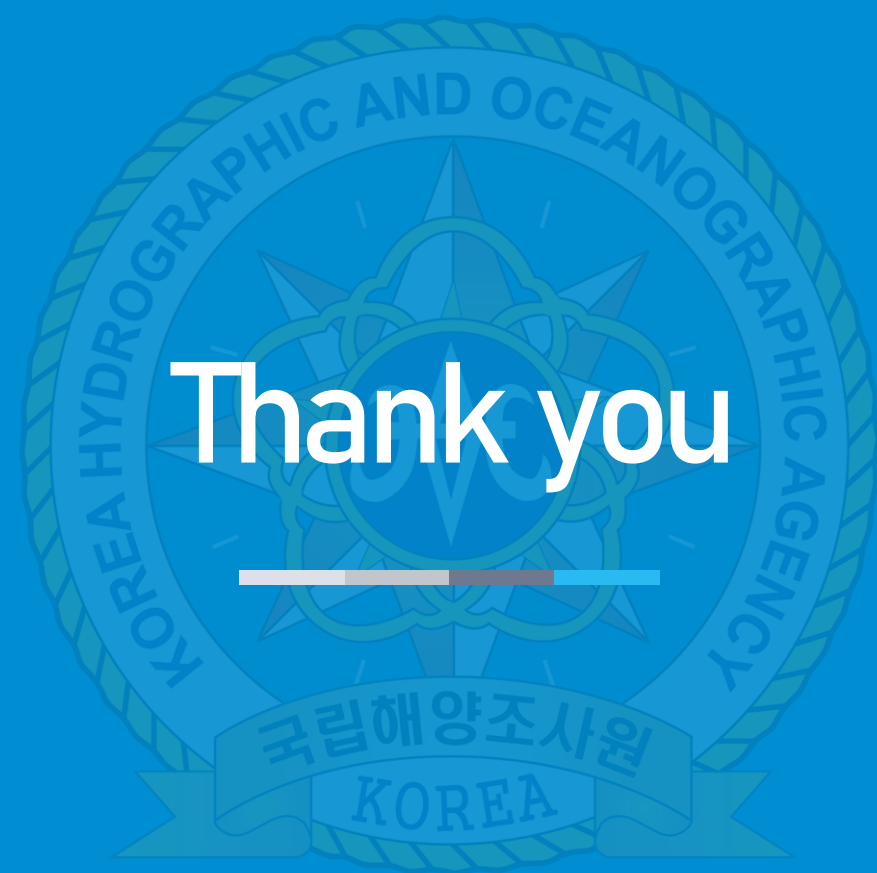
- The programme was created in cooperation with the Korea International Cooperation Agency (KOICA) with an aim of disseminating our advanced hydrographic and oceanographic technology to IHO Member States.
- Consists of subjects including introduction of ocean observation and hydrographic surveying at KHOA, hydrographic surveying technology, ocean observation, nautical cartography, undersea feature names, and report of individual hydrographic offices.

✓ 13 courses held from 2006 to 2019

✓ 199 alumni from 41 countries:



Algeria, Angola, Bangladesh, Brazil, Cambodia, Cameroon, Columbia, Congo (Rep. of), Cuba, Dominican Rep., East Timor, Ecuador, Egypt, El Salvador, Gabon, Ghana, Guatemala, Guinea, Guinea-Bissau, Indonesia, Jamaica, Kiribati, Maldives, Mexico, Montenegro, Morocco, Mozambique, Myanmar, Nigeria, Pakistan, Papua New Guinea, Peru, Philippines, Samoa, Fiji, Solomon Islands, Sri Lanka, Tunisia, Vietnam, Yemen



Thank you

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