# Introduction to the National Marine Biodiversity Institute of Korea Biodiversity Institute

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Collection &

Reserve

Area 325,000m<sup>2</sup>, Building 32,100m<sup>2</sup>

### **Major Facilities**

Scale

Research building 8,300m<sup>2</sup> (26%), Storage 6,700m<sup>2</sup> (21%) Exhibition hall 11,900m<sup>2</sup> (36%), Education building 5,200m<sup>2</sup> (17%)

## Function

### **Internal Research**

- Sample Collection
- ۲ Long-term Strategic R&D

### Legal Research

- MLRs Legal Investigation
- Basic Legal Research

### **National Resources Bank**

National Proliferation Securing MLRs

National R&Ds

MLRs Reservation

### **Donation Program**

MLRs Donation

## **Operations & Facilities**

### **Research & Storage**

- Collection/Preservation/Utilization of marine life
- Academic research/study on marine life
- Professional preservation system equipped with temp., humidity, and disaster prevention controls



### Education

- Deliver knowledge and information on marine life
- Promote understanding about effective utility of marine life resources



### Exhibition

- Permanent/Special exhibition of marine living organisms The Seed Bank
- MABIK symbolic structure for the Marine Biodiversity







National Marine

of Korea

### MABIK

### **National Authority**

Marine living resources under the Nagoya Protocol regime

Efficient conservation of marine living resources

**Executive Agency** Conserving marine living resource

Using those resources in a sustainable way

### Value Creation Function Expanding Public Service

Sustainable Development

man

National

Asset

# MABIK Marine Biodiversity Conservation Project

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# Background

### How many marine species in Korea?

- According to documentary survey, the marine species occurring in Korean waters account for about 25.4% (9,534) of total species (MLTM, 2007)
- The number of marine species is significantly lower than that of terrestrial species but much more diverse (34 phyla and 83 classes)



National Marine

**Biodiversity** Institute

# Current Status: Marine Biodiversity of Korea



### Process of Specimen Productions



### Collection of Marine Species & Goal

- Marine biodiversity research, storage of specimens for phylogenetic study, supporting marine bio-industry
- The donation program of marine organisms
  - : Specimens, book or Paper, etc.
- Available on the web for collection Information : <u>www.mabik.re.kr</u>



### Long-term Roadmap

Opening Phase ('14-'15) Development Phase ('16-'20) 5,000 species 12,000 species 600,000 specimens 1,350,000 specimens



• Collections during the last 5 years:

450,029 specimens from various taxonomic groups including approximately vertebrates, invertebrates, algae, micro-organisms

> Leap Forward Phase ('21-'30) 20,000 species 3.500.000 specimens

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