



SURVEYING & CADASTRE RESEARCH DIVISION
FACULTY OF EARTH SCIENCES AND TECHNOLOGY
INSTITUT TEKNOLOGI BANDUNG

Exploring of Possibility of Developing Multipurpose Marine Cadastre

INDONESIA

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OUTLINE

- Introduction
- Need for Multipurpose Marine Cadastre
- Aspects of Multipurpose Marine Cadastre
- Conclusion and Future Works





INTRODUCTION

- As the largest archipelago country in the world, the management of Indonesia's marine and coastal territory has not been comprehensively done.
- Marine and coastal area should be administered more carefully.
- Marine Information is required to support of sustainable development and it should be well managed to support good marine governance.





NEED for Multipurpose Marine Cadastre

- Easy to define and analysis
- Accessible to wide range of interest
- Centralized marine data and information management
- As tool assist stakeholder in making important policy



ASPECTS of Multipurpose Marine Cadastre

- LEGAL Aspects:
 - The regulations regarding multipurpose marine cadastre there are no specifics
 - The legal aspects could be approached by some regulation, such as:
 - UNCLOS,
 - Law No. 6 of 1996 on Indonesian Water,
 - Local jurisdictions in the form of provincial marine areas and marine area for county or city based on Law no. 32 of 2004 on Regional Government
 - Etc.





ASPECTS of Multipurpose Marine Cadastre

- Technical Aspects:
 - Some base map that may be used in Multipurpose Marine Cadastre, including: map scale, map reference and projection system, the method used for the data acquisition.



Some base map that may be used in MMC

No.	Base Map	Source
1	Map of Indonesia Coastal Environment	GEOSPATIAL INFORMATION AGENCY
2	Marine & Navigation Maps	Hydro-Oceanographic Office – Indonesian Navy
3	Gebco Maps (General Bathymetric Chart of The Ocean)	Hydro-Oceanographic Office – Indonesian Navy
4	Exclusive Economic Zone Maps and Outline Map Lists	Hydro-Oceanographic Office – Indonesian Navy
5	Technical Maps	Hydro-Oceanographic Office – Indonesian Navy
6	Marine Tourism Maps	Hydro-Oceanographic Office – Indonesian Navy
7	Map of Indonesian archipelagic sea lanes (Alur Laut Kepulauan Indonesia/ALKI)	Hydro-Oceanographic Office – Indonesian Navy
8	Cadastre Map	Land National Agency (BPN)





ASPECTS of Multipurpose



TS07 – Cadastre and Land Management and paper no 7199
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FIG Congress 2014
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ASPECTS of Multipurpose Marine Cadastre

- Institutional Aspects:
 - There are three groups of stakeholder, which are **public, private and community institution.**
 - **Ministry of Marine and Fisheries** has a wide-spread authority on utilization of marine space.
 - Stakeholders from public institution group could further be divided into those which are **responsible on policy constitution, policy implementation, and research on utilization of marine space.**



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ASPECTS of Multipurpose Marine Cadastre

Institutional Aspects



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Discussion

- Indonesia is a maritime country having adequate marine spatial information;
- Some legal products already support for the development of MMC;
- Information about marine almost available in some institutions as a basis for the development of information MMC;
- Some agencies are already qualified in the development of the MMC



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**THANK YOU,
TERIMA KASIH**



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