

# The Requirements of Marine Cadastre in Turkey

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## SUMMARY

In developing countries, depending on the development of the industry and urbanization rapidly, the use of the marine areas is exposed to commonly use as well as the terrestrial areas. Due to this exposure, it is required that the marine areas are planned as providing the multi-user purposes. So the tenure rights of the marine areas are mapped in three dimensions (3D) and also it is registered. In Turkey the spatial information using the administration and management of the marine areas is inadequate. In this context the marine cadastre provides the marine spatial information system, determination of the tenure rights on the marines and the registration of these rights systematically. On the other hands, the data produced by the institutions of the marine administration and management are not real time and sufficient accuracy. And also since the marine areas are used by many users for different purposes, the institutional conflicts are occurred. Moreover, many maritime application and jurisdictional regulations just consist of attributes data. But the map layers are not produced yet. In this context, the survey will be conducted with experts in order to detect the current situation. The basic aim of this paper is researching and producing basic mapping coverage and spatial database for planning marine areas with support of information technologies, which contributes to cadastral registration for sustainable management of the marine areas. With this aim, a spatial information system which can be used for the management and cadastral registration of marine areas will be established in city-wide using Geographical Information Systems (GIS).