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Marine spatial data is needed for a sustainable environmental management of marine and coastal areas in Turkey, surrounded largely by sea. In the contemporary time, called as information age, data/information acquisition and analysis are prerequisites for rapid, precise and economical decision making. Marine areas have intensive information sets including sea bed, sea surface and coastal areas. In the context of marine governance, there are different legal arrangements for different foundations or government bodies. For good governance, intensive information sets are required to be effectively analysed. For an ideal management of marine areas and coastal, in addition to previous terrestrial surveying activities, it is evident that surveying and registration of marine areas will be carried out in the future. Registration of marine and coastal areas and related rights and boundaries similar to terrestrial areas is a legal, social and economical requirement and also required for sustainable marine and coastal management. The basic aim of this study is ensuring that the design of basic mapping coverage and cadastral data model for planning marine areas with support of information technologies for sustainable management of marine area and GIS of marine area.

Keywords Marine Cadastre, Marine Area, Geographic Information System, GIS.