



Doctoral Thesis Title: Application of geomatics to the analysis of marine fisheries resources on the coast of the Comunidad Valenciana.

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Abstract: Fishing production is one of the main economic activities on the world. Its industry provides a livelihood for around 200 million of people and thanks to this, the nutritional needs of more than one billion of them are satisfied. Its importance in Spain is remarkable, it is at the head of the countries where more seafood is consumed. This is largely due to the extensive continental shelf that expands along the entire Spanish coastline and the richness of the fishing resources that live in it.

The importance of fishing activity in the socio-economic field is such that the concern about the contribution of it to sustainable development has been transferred from FAO and other governmental organizations. Many fisheries are forced to overfishing and that causes the depletion of species. This concern is related to the need to know the situation in which marine resources are found, an issue that has led to a great development of studies and research.

This study seeks to understand the life cycle of the *Octopus vulgaris* (octopus) species on the coasts of the Comunidad Valenciana, locating areas and times of higher and lower production, and taking into account how the environment and temporal variation affect its spatial arrangement. To do this, correlations of the data recorded about the catches of this species, in all the ports of the Comunidad Valenciana, and other variables found in the marine cadastre will be searched: data about the catches of possible preys, characteristics of the seabed, physical-chemical characteristics of water, temperatures, etc.

Available Means:

The intention is to achieve the collaboration of fishing associations and official organizations with the aim of being able to carry out real verifications on the conclusions reached.

References:

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