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Diet of large pelagic predators of the Western and Central Pacific Ocean





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CONTEXT OF THE STUDY

Ecosystem approach of fisheries management



SAMPLING PROGRAMME

In collaboration with the observer programmes

Collection of stomachs and muscle samples of TUNA and BYCATCH



PREY GROUPS



VERTICAL CLASSIFICATION OF THE PREY GROUPS





PREY ITEMS IN ALBACORE DIET





⁴⁰⁰ m



CONCLUSION

Diet examination are complemented by **isotope** studies that provide information on trophic level and gives a more integrated view of the diet rather than the snapshot of the stomach content at the individual level



Diet studies provide basic information on

-biology and behavior of the predators (daily ration, vertical behavior – that depends on our knowledge of the prey behavior)
-interactions between predators (predation on juveniles of other predators, competition between predators)

Diet studies are also useful as

-basic parameters for ecosystem modelling (e.g. Ecopath) EB WP-10 -ecosystem indicator (prey diversity, mean trophic level, diet composition) to detect changes in the ecosystem in conjunction with other indicators EB WP-5