Study of the feasibility of magnification of *Serrata scylla* crabs in the Menabe region, South West of Madagascar (Morondava-Madagascar)

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The Menabe Region, located in southwestern Madagascar, has an area of 24,000ha of mangroves. The harrowing exploitation of Scylla serrata alive since 2013 is a serious threatening activity within this ecosystem. A feasibility study of Scylla serrata magnification done by IH.SM and LCD (Louvain Development Cooperation) was conducted in May and June 2015 at the Tsiribihina river deltas. The objective of this study is to create secondary activity for villagers and to reduce the pressure on the mangrove ecosystem. Talks, field observation and sampling of physico-chemical parameters were carried out for the three study sites. The result shows that more than 80% of the population are motivated to grow crabs, Only the cost of safety poses an obstacle. Three cycle of crab enlargement outside cyclone period is economically feasible. Concerning the technical feasibility, the zone of deltas of the region of Menabe is conducive to the rearing of the crabs. However, no hatchery producing juvenile crabs is found in the vicinity of the region studied or even in Madagascar, only wild juveniles can use but which is against the ministerial law. Successful researches on the control of crab reproduction in order to create the hatchery are highly recommended. Meanwhile, crabs smaller than commercial size when triage can serve juveniles to grow up to commercial size instead of throwing or eating ordinarily