

Supplementary Material 4. Co-constructed indicators for goals related to MPA governance.

Indicators were considered as annual values. The goals correspond to Table 1. Indicators related to users were derived from users’ interviews, while all other indicators were directly documented by MPA managers. Users were categorized by type: boaters, divers, fishers.

Goal	Objectives	Indicators
Implementation and sustainability of management	Efficiency of management plan	% of actions realized with respect to the plan: i) per year, and ii) since plan onset
	Management organization	% MPA budget and % staff time for administration, enforcement, education and monitoring
	Implementation of control	% of MPA surface area with effective on-site control % MPA enforcement budget prorated by MPA surface Number of patrols conducted with the police Number of night patrols Number of recorded violations Users’ knowledge of MPA rules
	Management financial sustainability	Number and age of funding sources % of public and government funding in MPA budget % of temporary staff in MPA staff Seniority of staff
Participation and representation of stakeholders	Foster stakeholder involvement in MPA activities	Number of non-MPA staff involved in monitoring % of fishing logbooks documented and returned by fishers % fishers replying to field survey questionnaires
	Ensure stakeholder consultation	Number of meetings inviting users % participation in these meetings

	Involve local stakeholders in management	Number of meetings for the management committee % participation in these meetings Users' perception of being included in MPA management decision-making
	Favor consideration of the MPA in local coastal management	Number of meetings related to coastal management where MPA is invited Number of issues raised by MPA and considered by ad hoc administration services
Social acceptance	Foster acceptance of MPA by populations	Users' awareness of MPA existence Users' awareness of MPA-related information Users' perception of MPA effects on ecosystem conservation Users' perception of MPA effects on fisheries Users' perception of MPA effects on local economy Users' perception of MPA effects on their own activity
	Contribute to reduction of conflicts between users	Perception of conflicts of each user group with the other user groups
Knowledge improvement and dissemination	Education	Number of staff affected to educative actions % MPA budget assigned to education Number of attendees of educative actions conducted in the MPA % of pupils and students among the attendees
	Contribute to progress in knowledge of marine environment	Number of monitoring actions conducted by scientists Number of research projects where MPA is involved Number of research projects where MPA managers are involved