

Table 1. Ten variables of subsystems (SES) influencing the probability of self-organization according to Ostrom (2009) (from Northeast to Southeast coast). The ten key second level variables identified as influencing self-organizing users towards resource management (Ostrom, 2009: 420-421). RS= resource system, RU= resource units, GS= Governance system, U=Users, SES= Social Ecological System, from Ostrom (2007: 15183; 2009: 421). The years shown refer to period of data collection.

Variables	Fernando de Noronha Island 2015/2016	Itaipu (Niteroi, RJ) 2002 ³	Grande & Gipoia (Grande Island Bay (RJ) 2009 ⁵	Ilhabela Island (Bonete) (SP) 200 2014/2015
1. RS Size	Annual: 62tons (1998) ¹ 1.551 kg total 50 landings (2016) ² Diversity: no information	Number of fish species (142 trips): 42	The diversity of the fisheries comprises about 42 species, being 11 target species. Estimated catch (167 trips cited) of 12,399kg	No data annual capture Diversity: no information.
2. RS Productivity	32kg/fisher/trip ¹ (1998)	15kg/trip	44kg/trip, coef. Var. is 2,22.	25kg/fisher/trip ⁶
3. RS Predictability	Unpredictable; some species decreasing, such as pargo (schoolmaster snapper) and others	Unpredictable	Unpredictable	unpredictable
4. RU Mobility	High	High	High	High
5. U Number	75	44 fishers	218	60
6. U Leadership	High, favored by local economy	Relative strong local associations	Relative: some localities, such as Provet'a and Aracatiba with more enthusiastic leadership.	Average, a few action associated with tourism
7. U Norms; Social capital	Local rules occur, such as fishing agreements, co-monitoring, among others. Local knowledge also is visible.	Yes, informal rules to access to fishing spots	Yes	Local rules are represented by fishing agreements, collective hunting sites and monitoring against outside hunters. Local knowledge is visible.
8. U Knowledge of SES	High	High	High	High
9. U Resource importance	High	High	High	High
10. GS collective-choice rules	Occurred in the past, but currently weak or inexistent.	Not known Fishers avoided impositions from the government, such as an extractive reserve ⁴	No information.	Inexistent

¹Lessa (1988)
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Domingues (2016).

³Begossi et al. (2013a)

⁴Begossi 2006 (Ecology and Society)

⁵Begossi et al. (2013b)

⁶ Cantareli (2015)

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