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Table S1. Different types of rules in the context of natural resource management.

Rule	Area concerned	Persons/institutions responsible for establishment	Persons concerned	Persons/ beings responsible for sanctions	Importance for the use of resources
<b>Customary rules and pacts (oral / non formalised)</b>					
<b>Lilin-draza</b> (Rules of ancestors)	Everywhere (inside and outside the protected areas)	Ancestors, Diviner-healer, Supernatural beings	Clan, Lineage, Ethnic group	Elders of the main lineages Supernatural beings	Determines form of property social and spiritual interaction
<b>Faly</b> (Taboo which are part of the <i>lilin-draza</i> )	Certain places and certain resources	Ancestors, Diviner-healer, Supernatural beings	Individual, Clan, Lineage, Ethnic group or everybody (Malagasy and foreigner)	Elders of the main lineages, Supernatural beings	Prohibits the use of certain species (animals and plants), on certain days and in certain places
<b>Titike</b> (Social pact or sincerity oath)	a) <i>fokontany</i>	a) lineage elder or chief	a) inhabitants of a <i>fokontany</i> and guests	Elders of the main lineages, Supernatural beings	Concerns removable objects and difficult to apply in the CBM context
	b) regional	b) clan elder or chief	b) all Tanalana and related ethnic groups		
<b>Dina = rule / convention (written / formalised)</b>					
<b>Dina fokontany</b> ( <i>fokontany</i> rule)	Area of the <i>fokontany</i> (villages and related hamlets)	Administrative <i>fokonolo</i> (representatives of the inhabitants of the <i>fokontany</i> )	All the inhabitants of the <i>fokontany</i>	<i>Chef de fokontany</i> and Administrative <i>fokonolo</i>	Does not exist in study region
<b>Dina GELOSE</b> for the community-based management	Transferred area in the buffer zone of the Tsimanampesotse National Park	Members of the COBA	Members of the COBA.	Executive bureau of the COBA association	Determines the period and amount of logging, hunting and collecting natural resources and the reforestation duties
<b>State law (formalised)</b>					
<b>Forest Law</b> no. 97-017, 8.8.1997	Outside the protected areas	Ministry of Environment, Ecology, the Sea and Forest	Everybody (Malagasy and foreigner)	Forest agent, Forest & Water Directorate, Regional	Determines the period and amount of logging in the state forest
<b>Code for the management of protected areas</b> (COAP law no. 2001-005, 11.2.2003)	All protected areas in Madagascar including Tsimanampesotse National Park	Ministry of Environment, Ecology, Sea and Forest	Everybody (Malagasy and foreigner)	Madagascar National Parks (MNP), Forest agent, Forest & Water Directorate, Regional	Determines the period and amount of logging, hunting and collecting of some natural resources