

Supplementary 1

SIAPA index's and indicator's ratings by protected area managers and scientists

	Protected area managers												
SIAPA Indices & Indicators	Regional Ministry of Environment of Cantabria	Regional Ministry of Environment of Aragon	Regional Ministry of Environment of Galicia	Regional Ministry of Environment of Navarra	Regional Ministry of Environment of Cataluña	Regional Ministry of Environment of Balearic Islands	Regional Ministry of Environment of Murcia	Regional Ministry of Environment of Andalusia	Regional Ministry of Environment of Extremadura	Regional Ministry of Environment of Castilla-La Mancha	Regional Ministry of Environment of Castilla and Leon	National Park Autonomous Body	Spanish Ministry of Environment
STATE OF CONSERVATION	5	5	5	5	5	5		4	5		5	5	5
Population trends of endangered species or sub-species	4	5	4	5	5	5	5	5	5	5	5		3
Changes in the extent of focal habitats													
Changes in the features for which the PA was designated	4	5	5	5	5	4	2	4	5	3	4		5
Visual impact		4	4	3	5	4	3	4	4	4	3		4
Surface water quality	3	3	4	4	4	5	5	4	4	4	4		5
Health of vegetation	3	4	4	4	2	2	2	4	4	4	4		5
PLANNING	5	2	4	5	5	4		4	4		5	3	3
Appropriateness of protection regulation	5	5	5	5	5	5		5	4	5	5		4
Existence of updated management plan	5	5	4	5	5		5	5	4	3	4		4
Existence of updated socioeconomic plan	4	2	1	3	5	3	5	4	4	2	3		4

Fine-tuning of a protected area effectiveness evaluation tool: implementation on two emblematic Spanish National Parks

MANAGEMENT	4	2	4	5	5	4		5	5		5	3	5
Degree of fulfilment of management objectives	5	5	5	5	5	5	5	5	4	4	4		5
Effectiveness of public participation bodies	4	4	4	4	4	4	5	5	3	4	4		4
Existence of sufficient management staff	5	3	3	5	4	5	5	4	5	4	5		5
Existence of environmental education and volunteering activities	3	3	4	4	3	4	5	4	3	3	4		4
SOCIOECONOMIC CONTEXT	2	1	1	4	5	3		4	3		3	2	4
Local population density	4	4	4	3	3	4		3	3	3	3		3
Land use changes	4	5	3	4	4	5	4	3	5	4	2		5
SOCIAL PERCEPTION AND VALUATION	3	2	4	4	5	3		4	3		4	2	4
Degree of knowledge on the PA	3	5	4	4	4	5	4	5	5	5	5		4
Personal importance	3	4	4	4		3	4	4	4	4	5		3
THREATS TO CONSERVATION	4	5	3	4	5	2		5	5		3	5	3
Fragmentation	3	5	4	4	4	4	4	4	5	4	5		5
Density of alien invasive species	4	4	5	4	4	3	5	5	3	5	5		5
Density of visitors	3	4	5	3	2	5	4	4	3	2	2		3
Activities performed by visitors	2	5	4	4	4	5	5	4	4	2	4		4
Climate change	4	3	3	3	4	3		3	4	5	2		2

	Scientists						
SIAPA Indices & Indicators	EUROPARC-Spain	IUCN-World Commission on Protected Areas	Spanish Observatory for Sustainability	Spanish National Research Council	University of Zaragoza	University of Malaga	University of Seville
STATE OF CONSERVATION	5	3	2	5	5	5	5
Population trends of endangered species or sub-species	4	5	5	5	5	5	5
Changes in the extent of focal habitats		5		5		5	
Changes in the features for which the PA was designated		5	3	5	5	5	5
Visual impact	4	4	3	4	4	5	4
Surface water quality	3	5	4	4	4	4	4
Health of vegetation	4	3	5	4	5	4	4
PLANNING	4	2	4	4	4	5	5
Appropriateness of protection regulation	5	5	5	5	3	5	5
Existence of updated management plan	4		5	5	4	5	4
Existence of updated socioeconomic plan			4	4	3	4	4
MANAGEMENT	5	3	5	4	5	4	3
Degree of fulfilment of management objectives	5	4	5	5	5	4	5
Effectiveness of public participation bodies		3	5	4	4	4	3
Existence of sufficient management staff		4	5	4	4	4	3
Existence of environmental education and volunteering activities		1	4	4	2	3	3
SOCIOECONOMIC CONTEXT	2	1	3	3	2	5	3
Local population density		4	3	4	1	4	3
Land use changes	5	4	5	5	5	5	4
SOCIAL PERCEPTION AND VALUATION	2	1	4	2	3	4	3
Degree of knowledge on the PA			5	4	3	5	3
Personal importance			4	3	4	5	4
THREATS TO CONSERVATION	4	2	5	5	4	5	4
Fragmentation		4	5	5	3	5	3
Density of alien invasive species		4	4	5	3	5	4
Density of visitors			3	4	4	4	4

Activities performed by visitors		3	3	3	4	4	4
Climate change		3	3	4	4	4	3