

The Digital Observatory for Protected Areas (DOPA) and the BIOPAMA regional observatories

http://dopa.jrc.ec.europa.eu http://biopama.jrc.ec.europa.eu

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The Joint Research Centre (JRC) is the European Commission's in-house science service

Expertise: Providing the right **information** to the right people with the right **tools**

Objective 1: provide decision makers with means to assess, monitor and possibly forecast the state of protected areas to prioritize them according to biodiversity values and threats so as to support decision making and fund allocation processes.



Objective 2: provide the best available data and tools to **support national authorities** in their reporting tasks (e.g. **NBSAPs** for **CBD**, **GEF**, requests to EC).

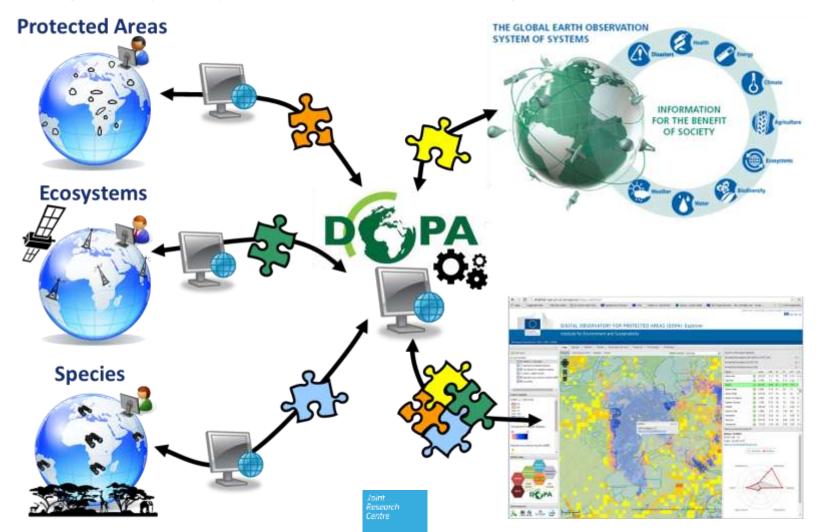
Objective 3: provide **experts** (park managers, researchers, ...) with **analytical tools**

(Analytical tools of DOPA recognized in the CBD COP 11, Decision XI/24)





Technically: we are trying to access, process and redistribute essential information on a broad range of topics (species data, remote sensing, socio-economical indicators)





Three steps approach to information systems for PAs

1) **Develop a compass** on protected areas: What do we think we know using comparable, objective, regional datasets? (TOP DOWN)

2) Verify/validate our information using local expertise (BOTTOM UP)

3) Provide customised support to end-users (funders & local actors) and improve decision making (THE BRIDGE)



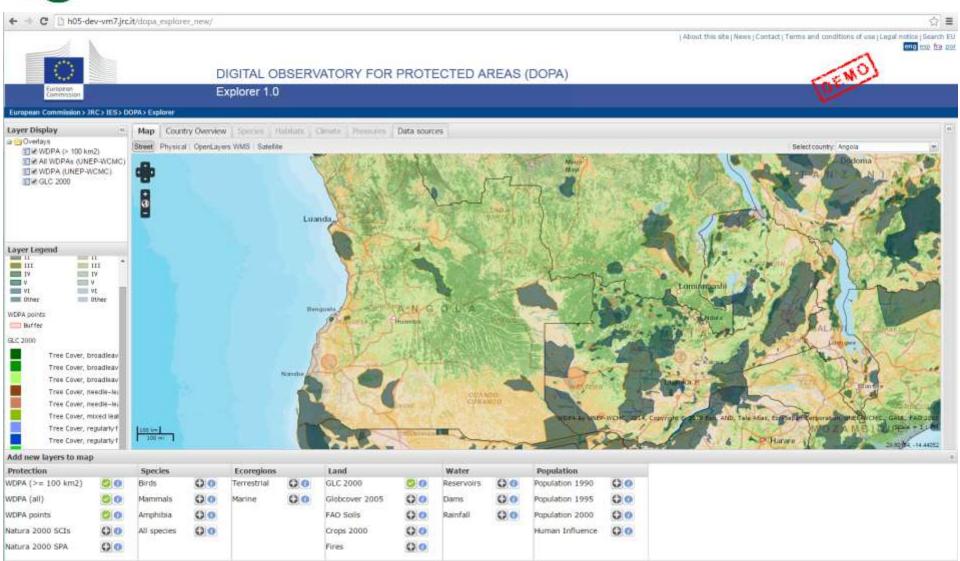
Step 1: DCPA, the Digital Observatory for Protected Areas

- 1) Web based information system assessing all protected areas (≥ 100 km²): 16 000 marine and terrestrial protected areas
- 2) **10 core indicators** allowing comparisons at country & ecoregion levels
- 3) Global information system on 1 km² grid (in English, French,
 Spanish
 Portuguese
- 4) **Modular architecture** and open source: web services free for reuse by third parts





See http://dopa.jrc.ec.europa.eu/







Country profiles & Park indicators



DIGITAL OBSERVATORY FOR PROTECTED AREAS (DOPA)

Explorer 1.0



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uropean Commission > JRC > JES > DOPA > Explorer													
Map Country Overview Species Habitats Christie	Pressures Data	sources											
Country Information	Key Country statistics									- 1			
Angola Protected: 27071 km2, 2 % of total land and sea	Š	UN Data country profile UNDP country profile The World Benk Country Data			FAC country profile CIA World Factbook Country Info Wikipedia Country Info								
IUCN casegory ()	Population () Population d Population g GDP per capi	Land area (km2): 1246700 Population (people): 17712824 (2007) Population density (people/km2 land): 14.21 (2007) Population growth (annual): 3.39 % (2007) GDP per capita, PPP (current s): 6079.39 (2007) GDP growth (annual): 22.59 % (2007)											
Protected areas (>= 100 km2) - Total number : 12. Terrestrial (1	0), Marine (0), Mixes	d (Z)										н -	
Name	Area (km2)	Type	Segment no.	Terrestrial HDI.	Marine HDI	Species Irr.	Popri. Pressure	Agr. Pressure	Ext. Roads	Int. Roads	Popn Change	IUCN cat.	
National Park Iona	153	TM	16	4.1	2.45	0.32	2	0.4	1.05	1.56	1.05	II	
National Park Cameia	142	TE	4	1.06	-	0.35	2	1.45	2.62	1.57	2.62	II.	
National Park Luengue-Luiuna	104	TE	14	4.32	(1)	0.2	0.17	7.28	1.78	1.37	1,78	H.	
Integral Nature Reserve and the Luando	87	TE	5	1.69	*	0.31	14.7	0.06	1.89	2.06	1.89	IV.	
National Park Quiçāma	86	TM	7	2.4	0.79	0.76	37.96	4.22	1.67	1.31	1.67	it	
National Park Bicuar	77	TE	8	2.87	-	0.17	14	14.08	3.34	1.25	3.34	II.	
National Park Mavinga	66	TE	4	1.68	100	0.06	0.19	3.65	2.47	0.71	2.47	0	
National Park Mupa	54	TE	4	1.73		0.08	4.36	11.06	2.66	0.56	2.66	ii.	
Partial Reserve Namibe	53	TE	€.	2.6	i e .	0.08	2	0.03	2.48	1.72	2.48	IV	
National Park Cangandala	6	TE	4	4.95	12	0.02	13	0.04	2.2	2.25	22	II.	
Partial Reserve Buffalo	3	TE	1	1.73	9	0.01	20	4.3	2.64	2.92	2.54	IV.	

Species protection statistics (all PAs) Ecoregions (all PAs) (18)

Natural Regional Park Chimalavera

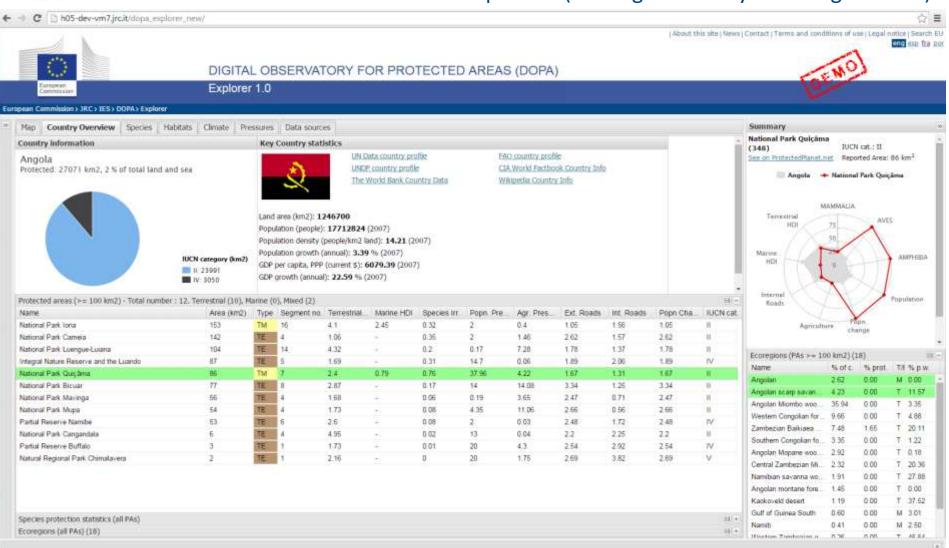
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Park profiles (ranking at country & ecoregion level)

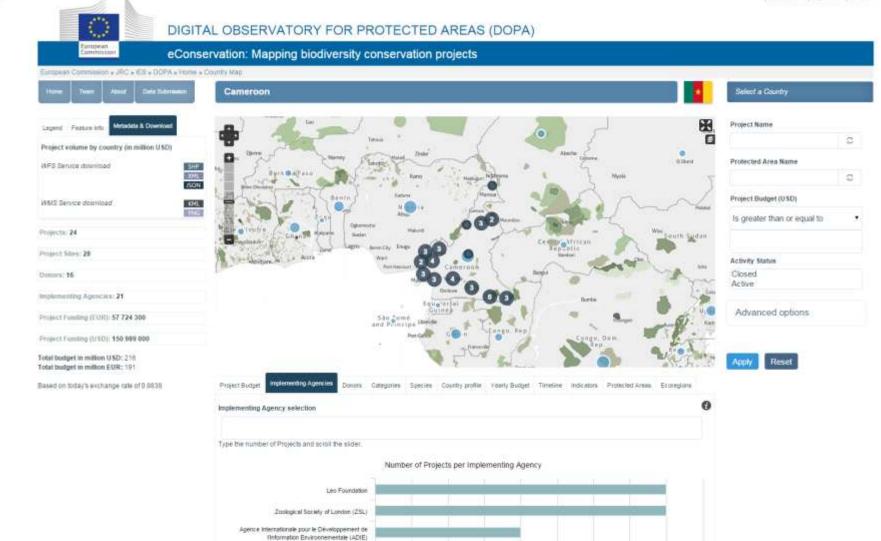




PA eConservation

Mapping funding activities

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Fédération Nationale des Cummunes Forestières.



Step 2: Ground truth & focus on regional/local information, the role of the BIOPAMA regional observatories in the ACP

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