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**

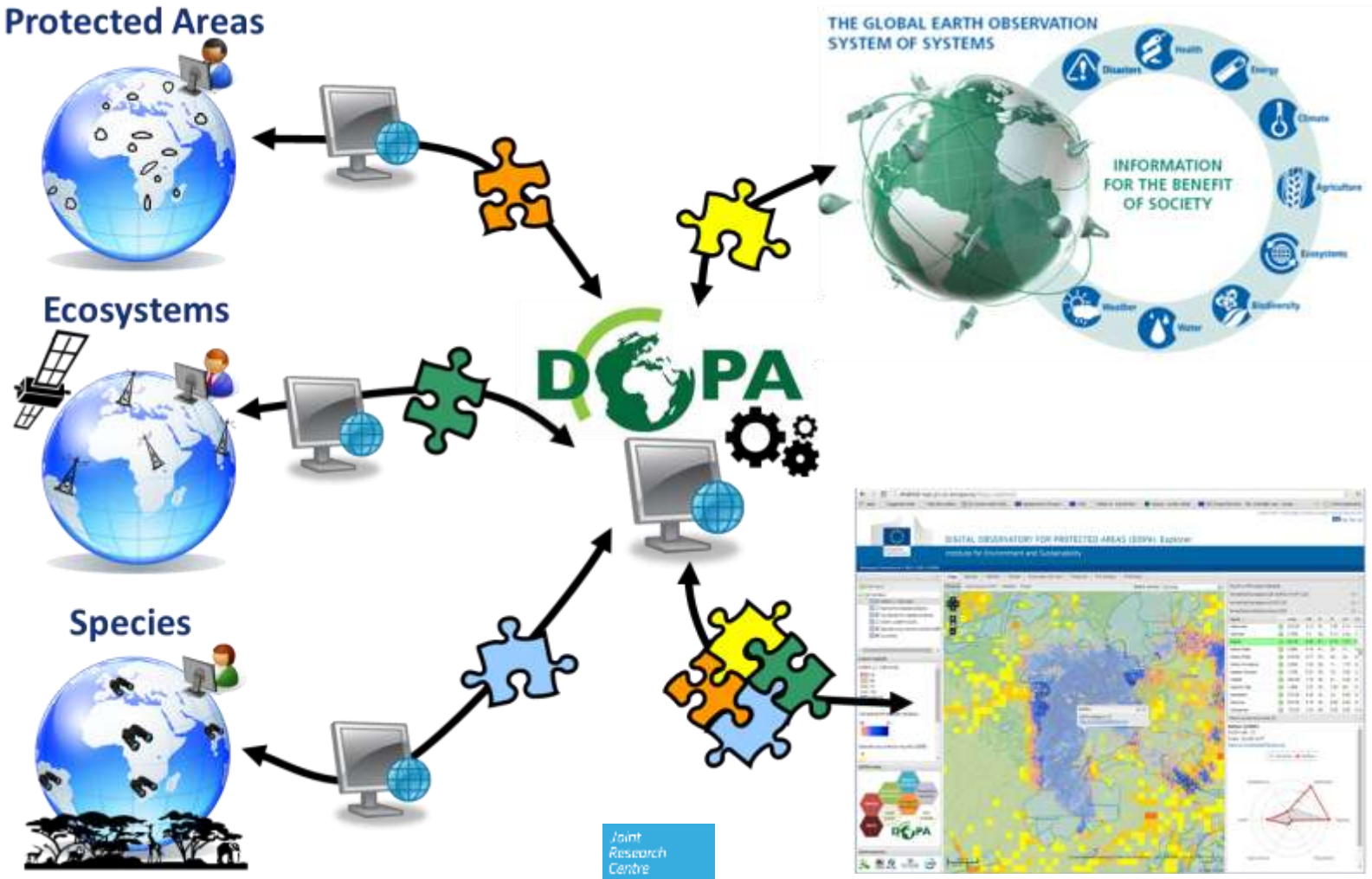
Objective 1: provide **decision makers** with means to **assess, monitor** and possibly **forecast the state of protected area**s to **prioritize** them according to biodiversity values and threats so as to **support decision making and fund allocation processes.**

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: DOPA, the Digital Observatory for Protected Areas

1) Web based information system assessing all protected areas (≥ 100 km^2): **16 000 marine and terrestrial protected areas**

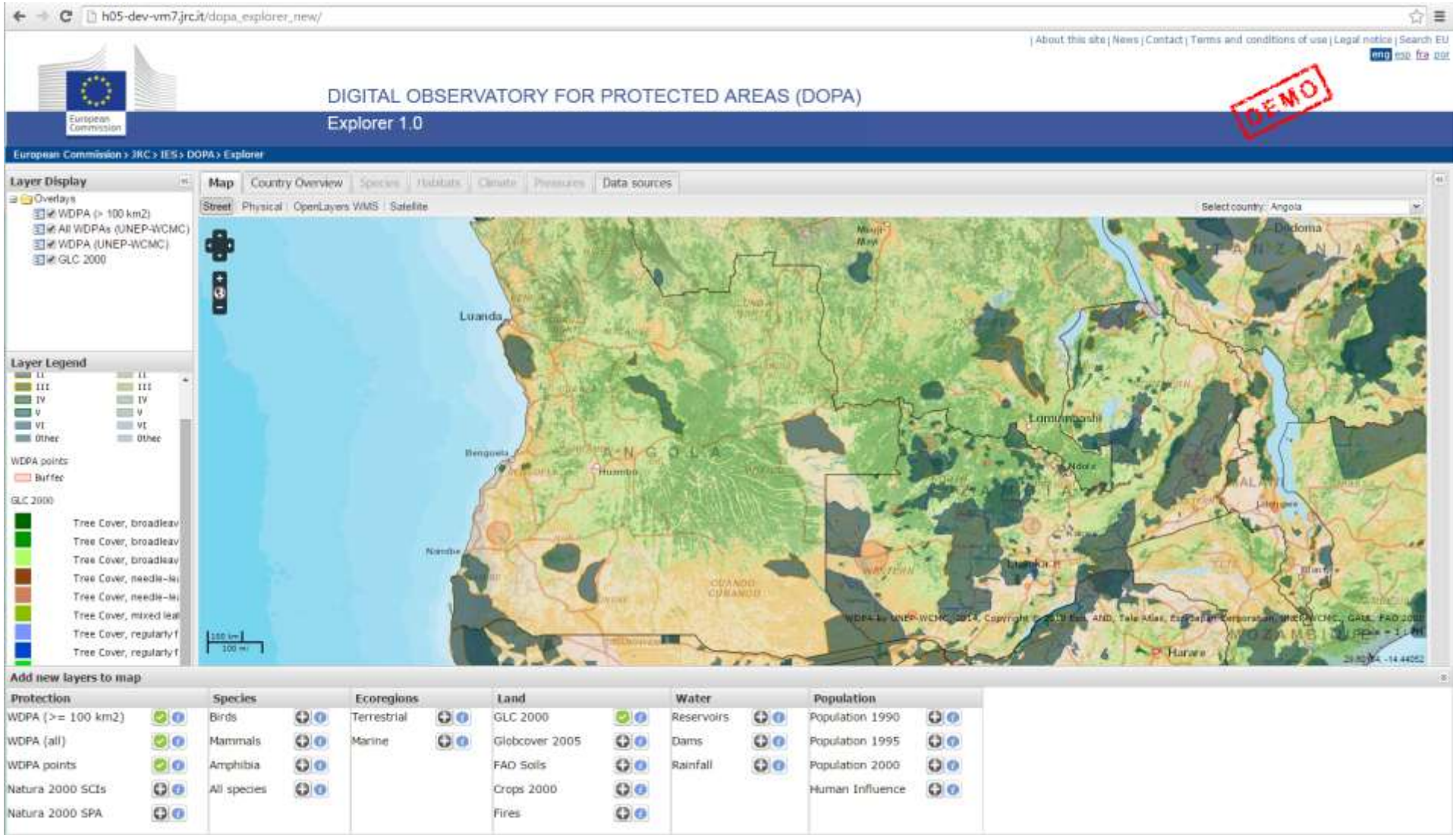
2) **10 core indicators** allowing comparisons at country & ecoregion levels

3) **Global** information system on 1 km^2 grid (in English, French, Spanish
& Portuguese

4) **Modular architecture** and open source: web services free for reuse by third parts

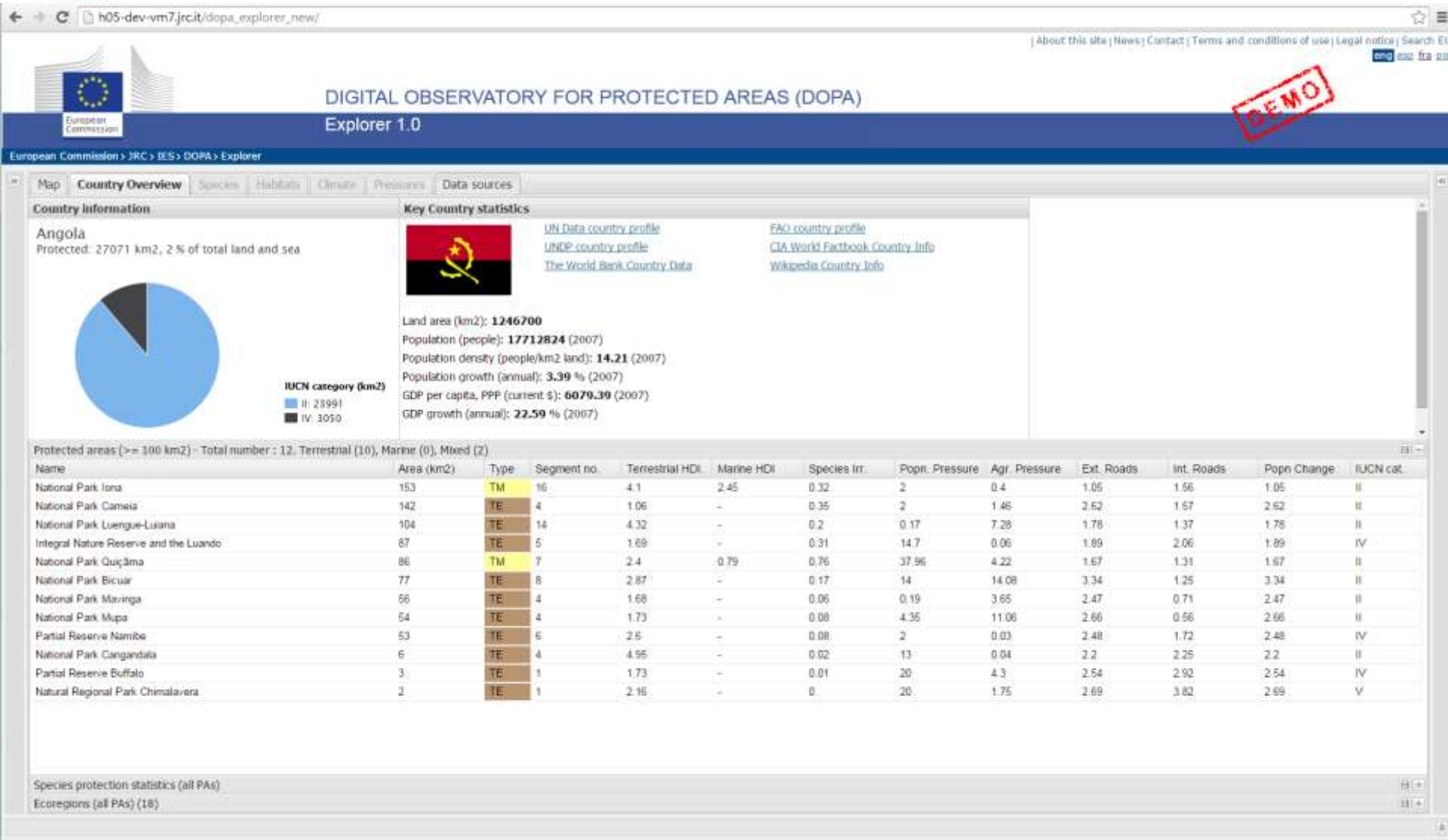
DOPA Explorer 1.0 (Feb. 2015)

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



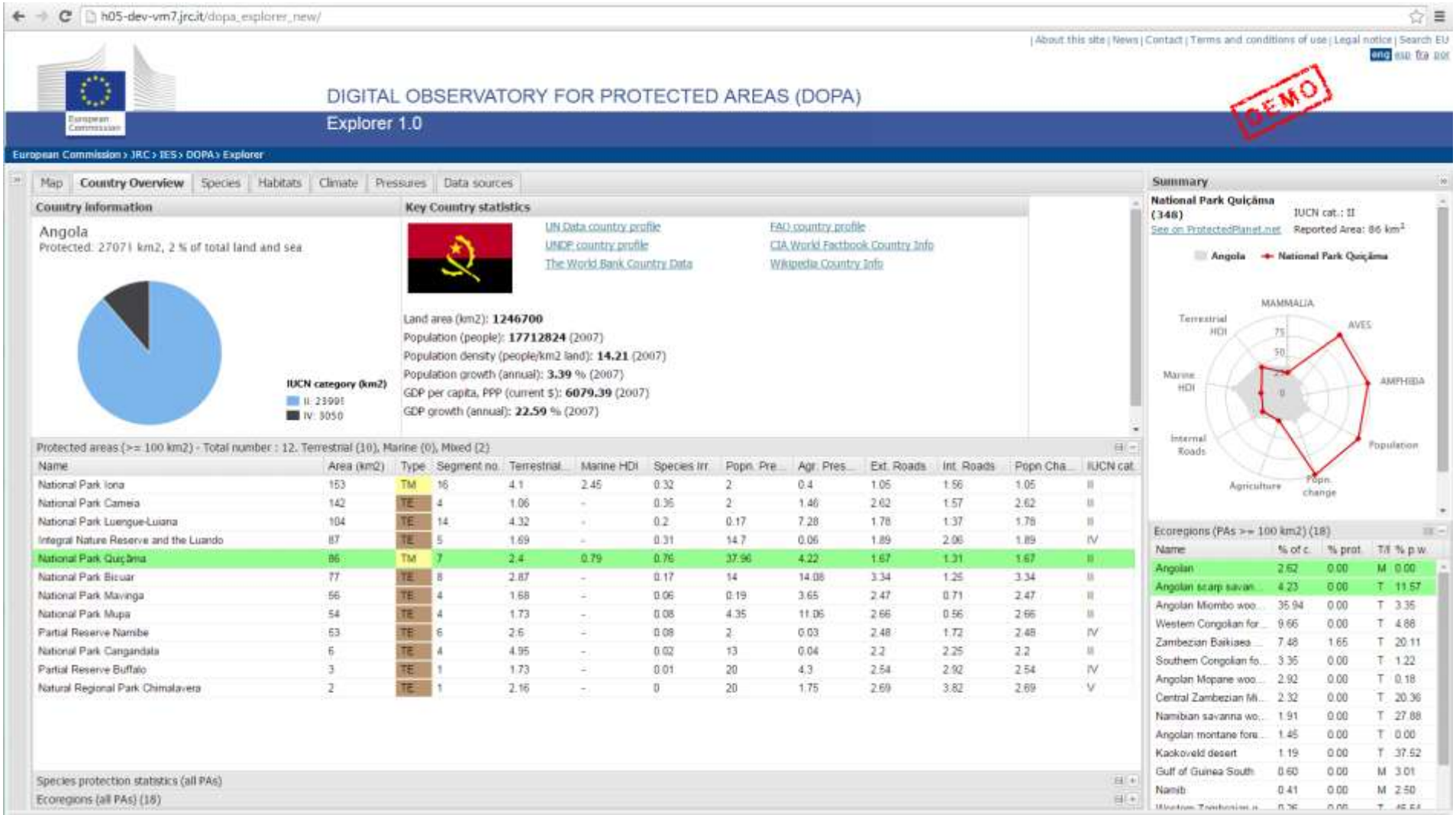
DOPA Explorer 1.0 (Feb. 2015)

Country profiles & Park indicators



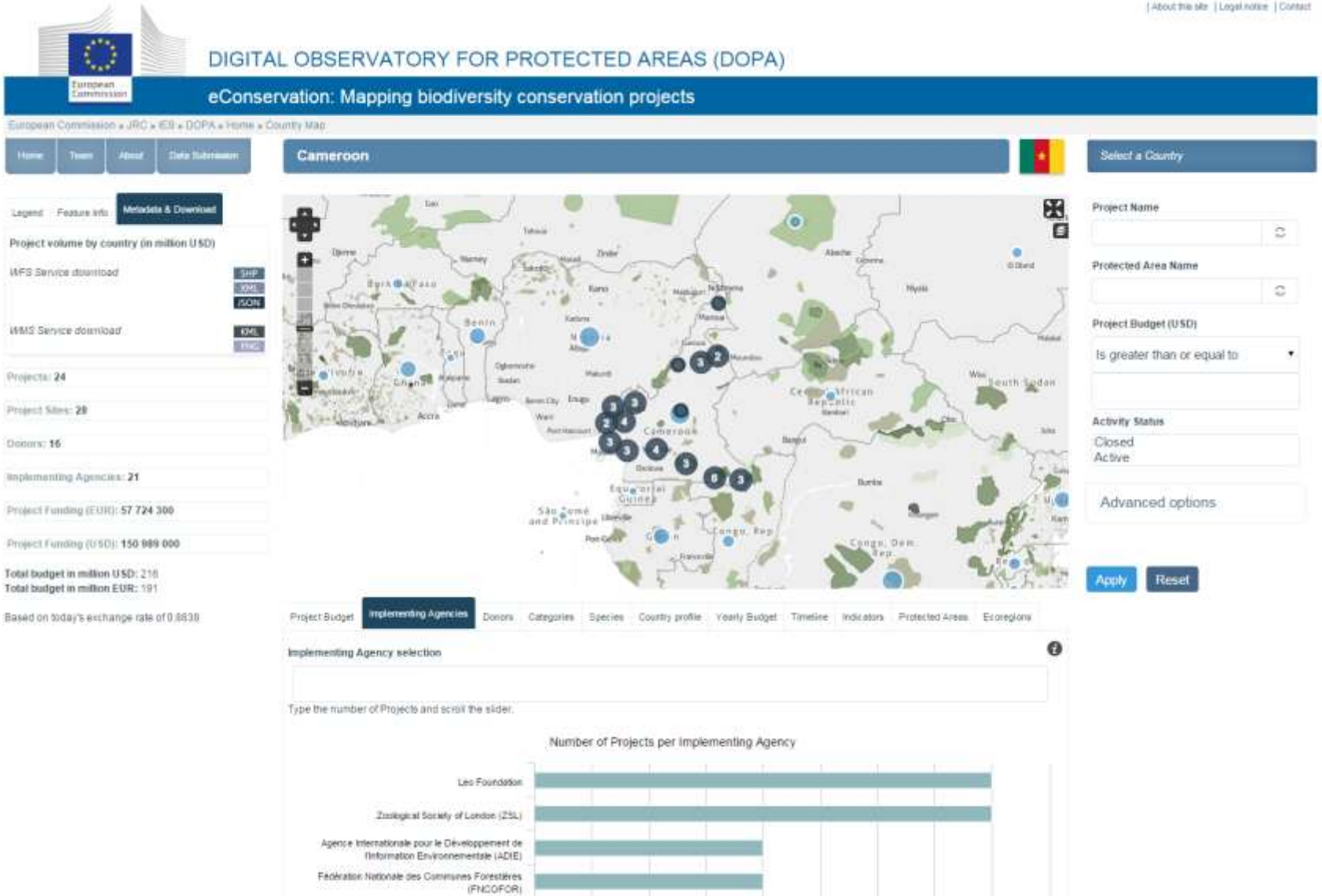
DOPA Explorer 1.0 (Feb. 2015)

Park profiles (ranking at country & ecoregion level)



DOPA eConservation

Mapping funding activities



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

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