

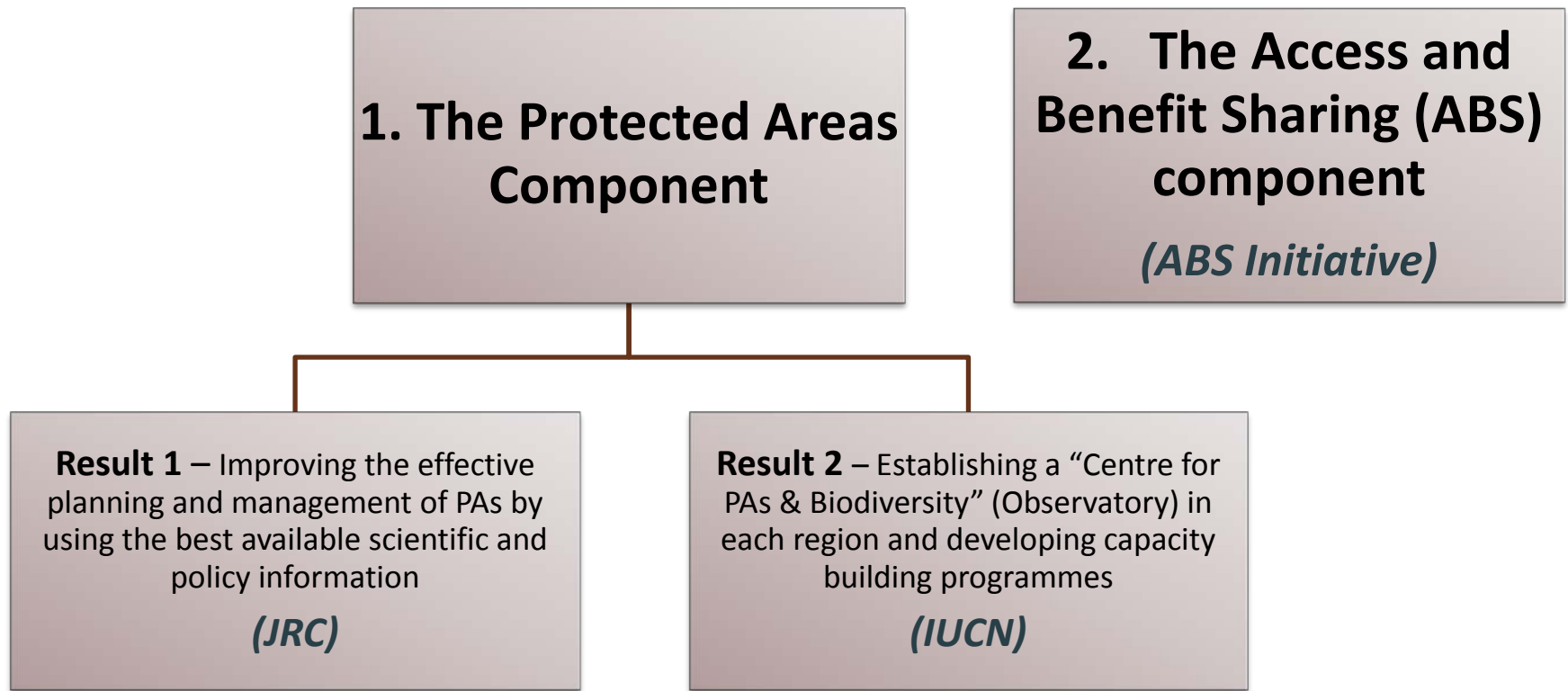


## BIOPAMA Activities of the Joint Research Centre

Steve Peedell

European Commission Joint Research Centre

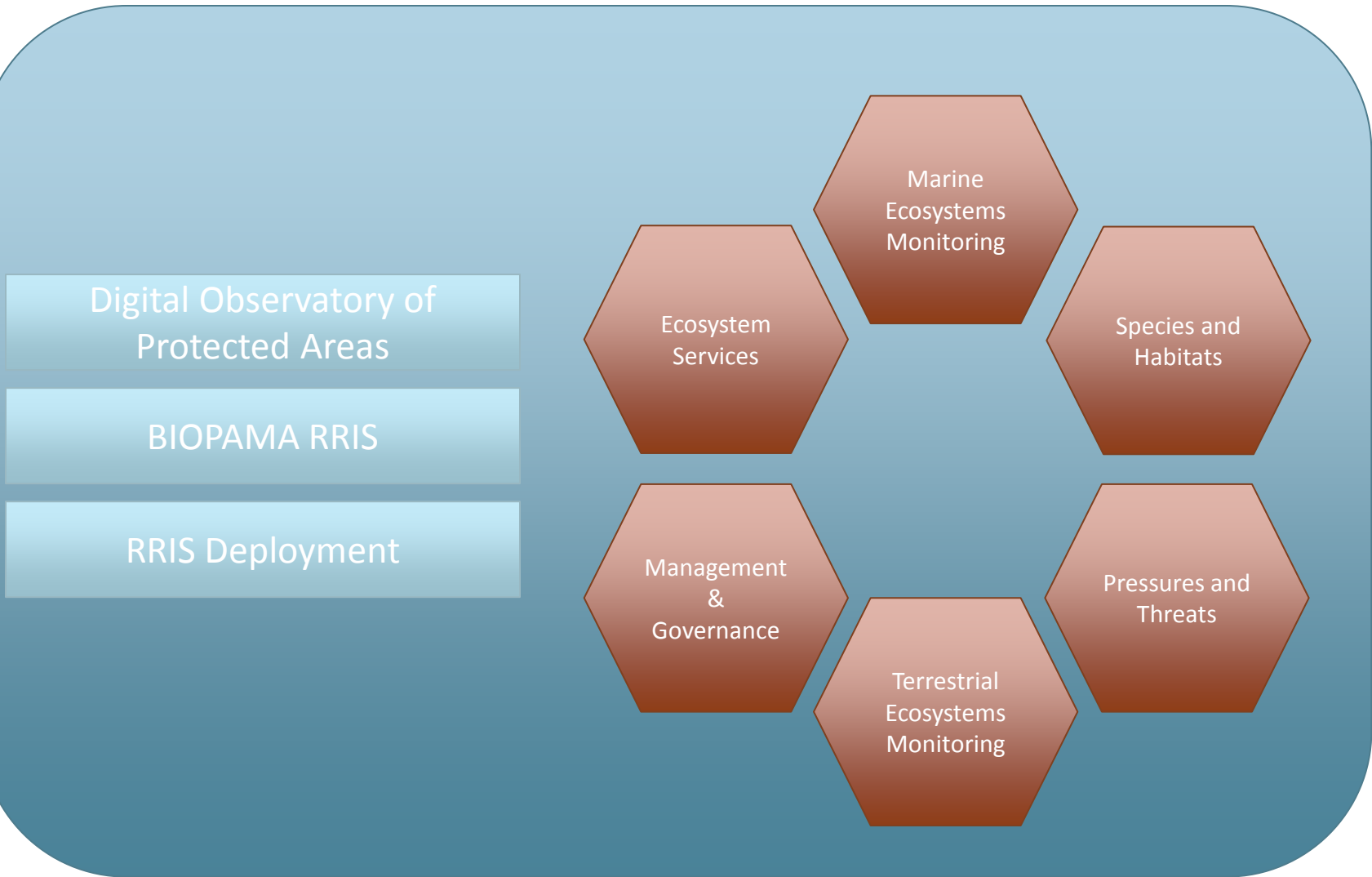
## Better Information for Protected Areas



# What the BIOPAMA Project is Building

- Reference Information System
  - Ecological Assessments and Data Collection
  - Socio-economic Assessments and Data Collection
  - Management & Governance Assessments and Data Collection
  
- Regional Observatories
  
- Capacity Building Programme

# BIOPAMA Information Categories



# Reference Information System

- Information exchange
- Built on standards
- Regional focus
- Analytical tools provided by the Digital Observatory of Protected Areas, DOPA
- Central node run by JRC, regional nodes run by the Observatories

# Where we are today

- Basic information exchange platform (RIS)
  - Now being developed further according to regional priorities
- Digital Observatory of Protected Areas (DOPA)
  - Scientific and analytical tools, global biodiversity and protected area information
- Specific tools
  - Fire, land cover change, alien invasive species, ecosystem services
  - Step-by-step integration in the RIS
- Third party data and tools

# Digital Observatory of Protected Areas

European Commission  
 Institute for Environment and Sustainability

DIGITAL OBSERVATORY FOR PROTECTED AREAS (DOPA): Explorer

European Commission > JRC > IES > DOPA

Map Species Habitats Climate Ecosystem Services Pressures Fire ecology Phenology

the role of this PA for conserving biodiversity.

Species irreplaceability MAMMALIA

Ranking for Bolivia

Species composition classified by Red List cat.

Species information - Noel Kempff Mercado (WOPA-ID:31): 901 taxa

Species	DD	MAMMALIA	CHROPTERA	MOLOSSIDAE
<i>Dynomys abrusus</i>	DD	MAMMALIA	CHROPTERA	MOLOSSIDAE
<i>Sclurus ignitus</i>	DD	MAMMALIA	RODENTIA	SCURIDAE
<i>Pseudis boliviana</i>	DD	AMPHIBIA	ANURA	HYLIDAE
<i>Mazama americana</i>	DD	MAMMALIA	CETARTIODACT...	CERVIDAE
<i>Ateles chamek</i>	EN	MAMMALIA	PRIMATES	ATELIDAE
<i>Harporhaleus coronatus</i>	EN	AVES	Falconiformes	Accipitridae
<i>Pteronura brasiliensis</i>	EN	MAMMALIA	CARNIVORA	MUSTELIDAE
<i>Chiropotes sibilansus</i>	EN	MAMMALIA	PRIMATES	PITHECIIDAE
<i>Anodorhynchus hyacinthinus</i>	EN	AVES	Psittaciformes	Psittacidae
<i>Athene cucularia</i>	LC	AVES	Strigiformes	Strigidae
<i>Jabiru mycteria</i>	LC	AVES	Ciconiiformes	Ciconiidae
<i>Crotaphaga ani</i>	LC	AVES	Cuculiformes	Cuculidae

Country information

Terrestrial Ecoregions (WWF) (14)

Map	Name	% of co...	% prote...
<input type="checkbox"/>	Southwest Amazon moist forests	15.65	12.51
<input checked="" type="checkbox"/>	Chiquitano dry forests	15.13	24.92
<input checked="" type="checkbox"/>	Central Andean dry puna	13.11	33.95
<input type="checkbox"/>	Beni savanna	11.58	8.07
<input type="checkbox"/>	Dry Chaco	11.30	36.63
<input type="checkbox"/>	Bolivian Yungas	7.89	51.45
<input type="checkbox"/>	Bolivian montane dry forests	6.71	30.04
<input checked="" type="checkbox"/>	Madeira-Tapajós moist forests	5.45	24.29
<input type="checkbox"/>	Central Andean puna	5.18	54.94
<input checked="" type="checkbox"/>	Pantanal	2.97	71.07

Species classified by Red List cat.

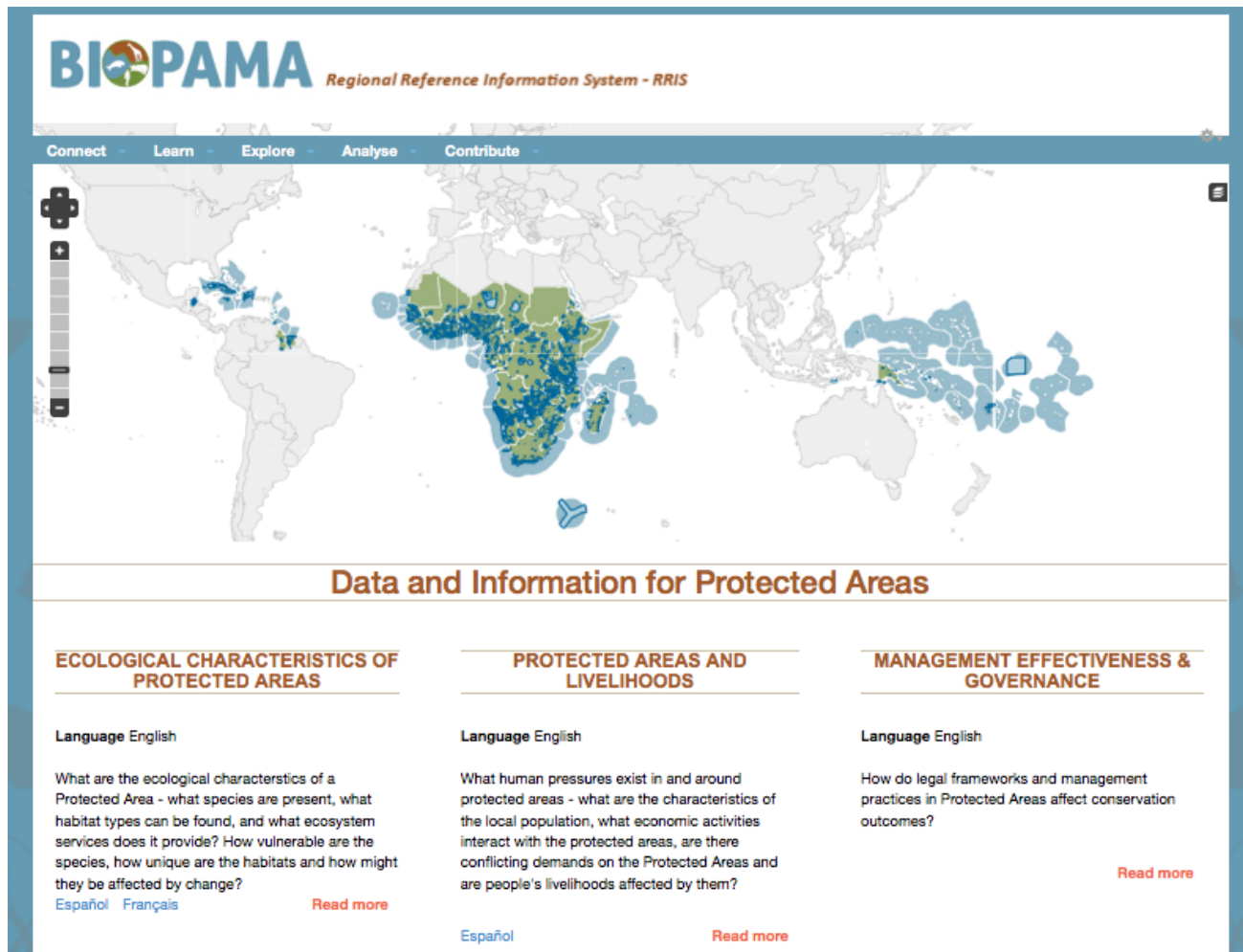
Red List Category	Count	Percentage
EN	5	0.6%
VU	8	0.9%
NT	25	2.8%
LC	847	94.7%
DD	16	1.8%

Add related layers to map

AMPHIBIA ANIMALIA AVES CHORDATA

<http://dopa.jrc.ec.europa.eu/explorer>

# RRIS Drupal Front End



**BIOPAMA** *Regional Reference Information System - RRIS*

Connect Learn Explore Analyse Contribute

**Data and Information for Protected Areas**

ECOLOGICAL CHARACTERISTICS OF PROTECTED AREAS	PROTECTED AREAS AND LIVELIHOODS	MANAGEMENT EFFECTIVENESS & GOVERNANCE
<p>Language English</p> <p>What are the ecological characteristics of a Protected Area - what species are present, what habitat types can be found, and what ecosystem services does it provide? How vulnerable are the species, how unique are the habitats and how might they be affected by change?</p> <p><a href="#">Español</a> <a href="#">Français</a> <a href="#">Read more</a></p>	<p>Language English</p> <p>What human pressures exist in and around protected areas - what are the characteristics of the local population, what economic activities interact with the protected areas, are there conflicting demands on the Protected Areas and are people's livelihoods affected by them?</p> <p><a href="#">Español</a> <a href="#">Read more</a></p>	<p>Language English</p> <p>How do legal frameworks and management practices in Protected Areas affect conservation outcomes?</p> <p><a href="#">Read more</a></p>

<http://biopama.jrc.ec.europa.eu>