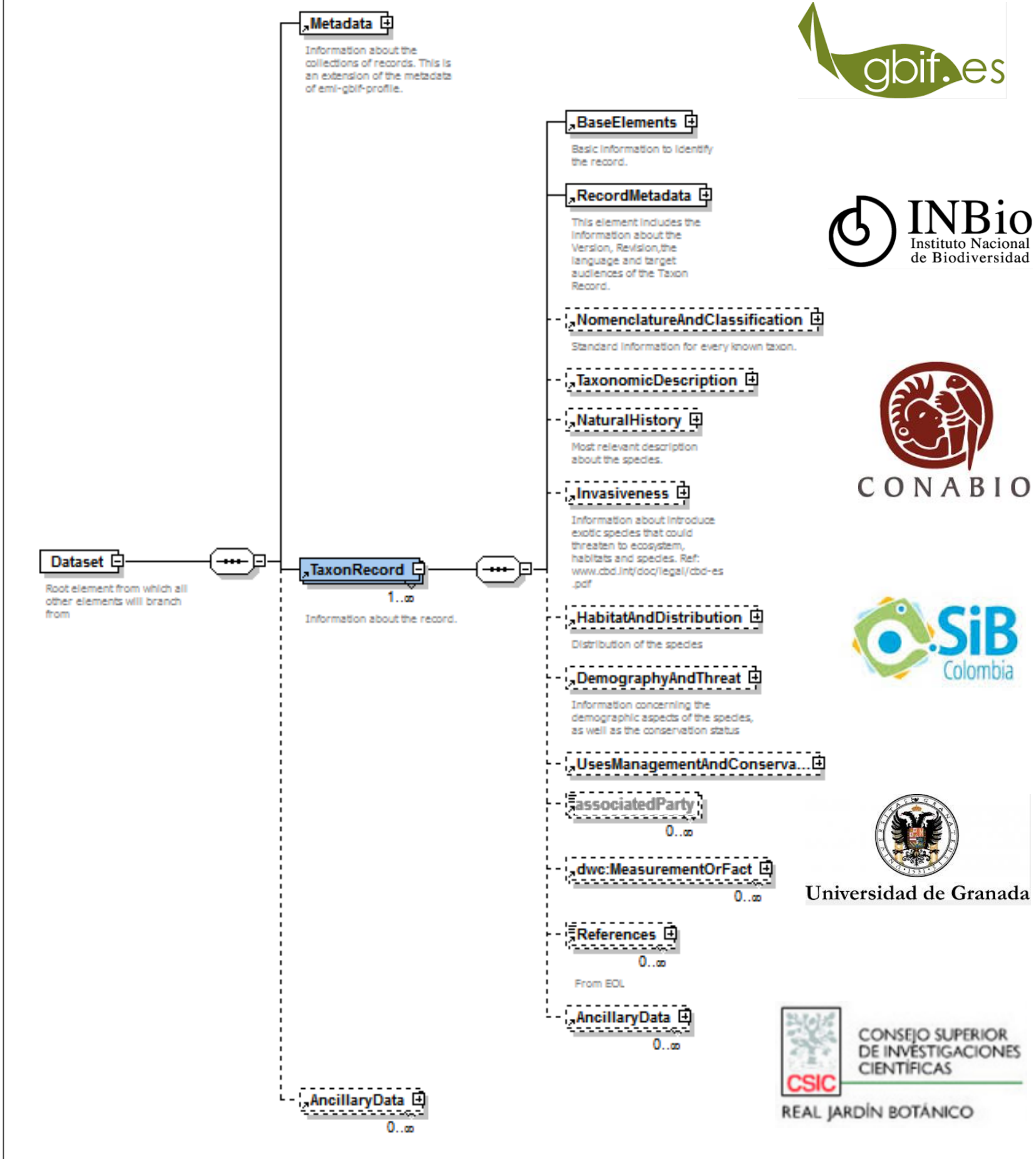




# The Plinian Core standard and its implementation in the Spain's Official Repository of Biodiversity Information

## Plinian Core high altitude view



## Implementation =>

**Application Profile.** Ministry implements one with emphasis in management, legislation and reporting (aggregation)

See:

<https://github.com/PlinianCore/Documentation/wiki>



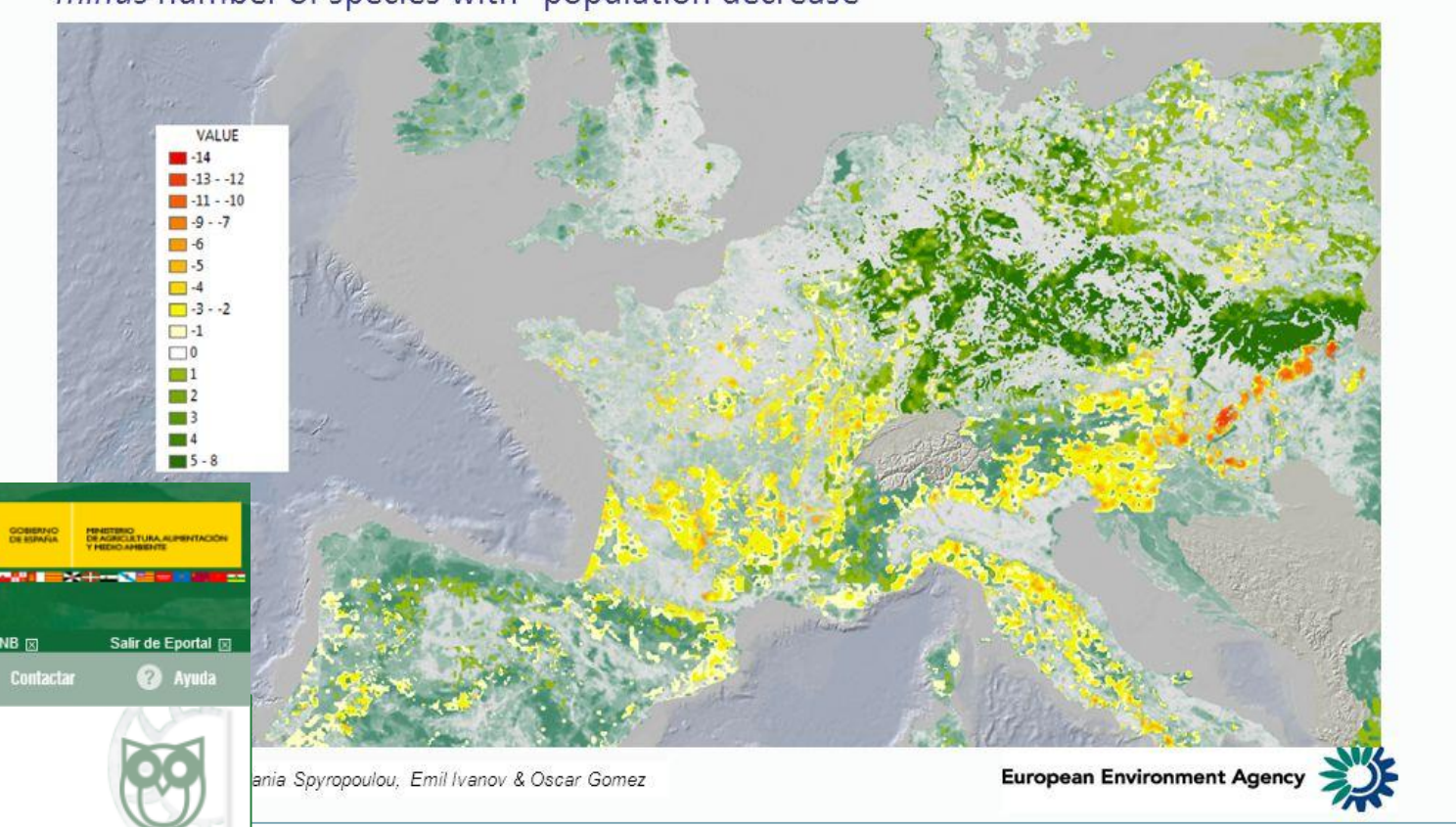
## Integration

- Protected species
- Invasive species
- National biodiversity survey
- National forest inventory
- International agreements (CBD, IPBES, CITES, NAGOYA, EU reporting)
- Legislation & management

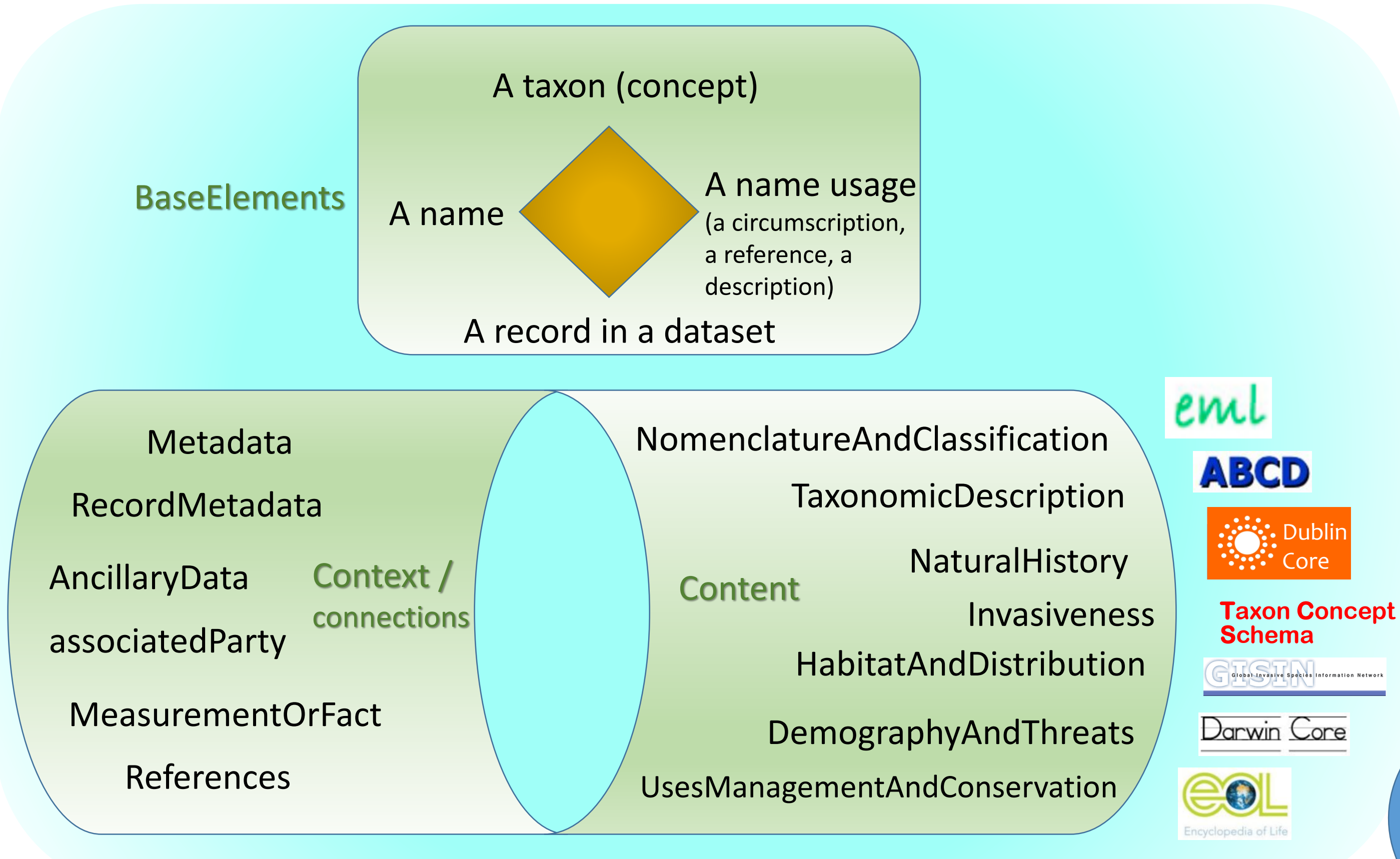
## Aggregation: from regions to Europe



Preliminary results:  
Final index for forest species population:  
Number of species with population "increase" and "stable" minus number of species with "population decrease"



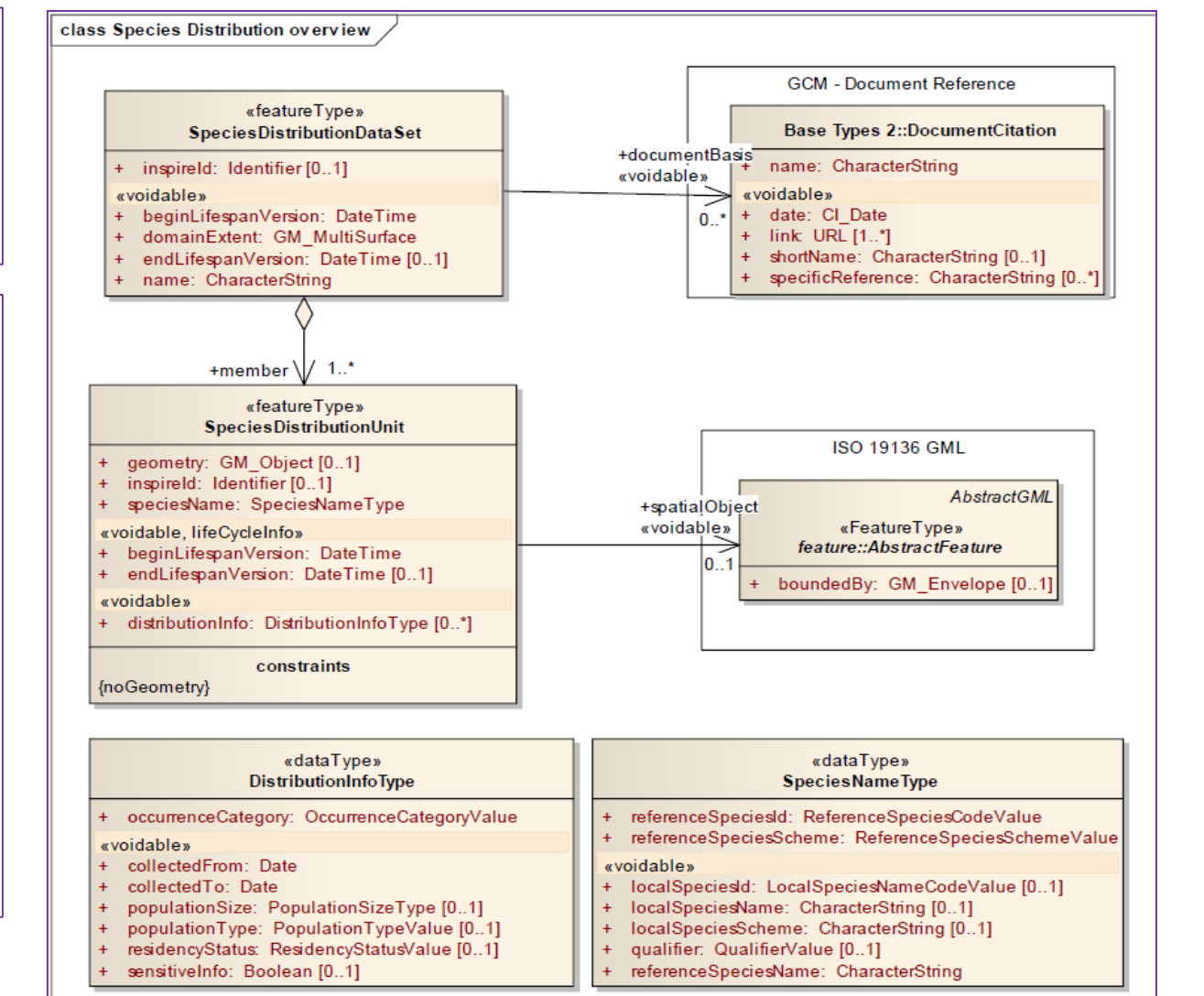
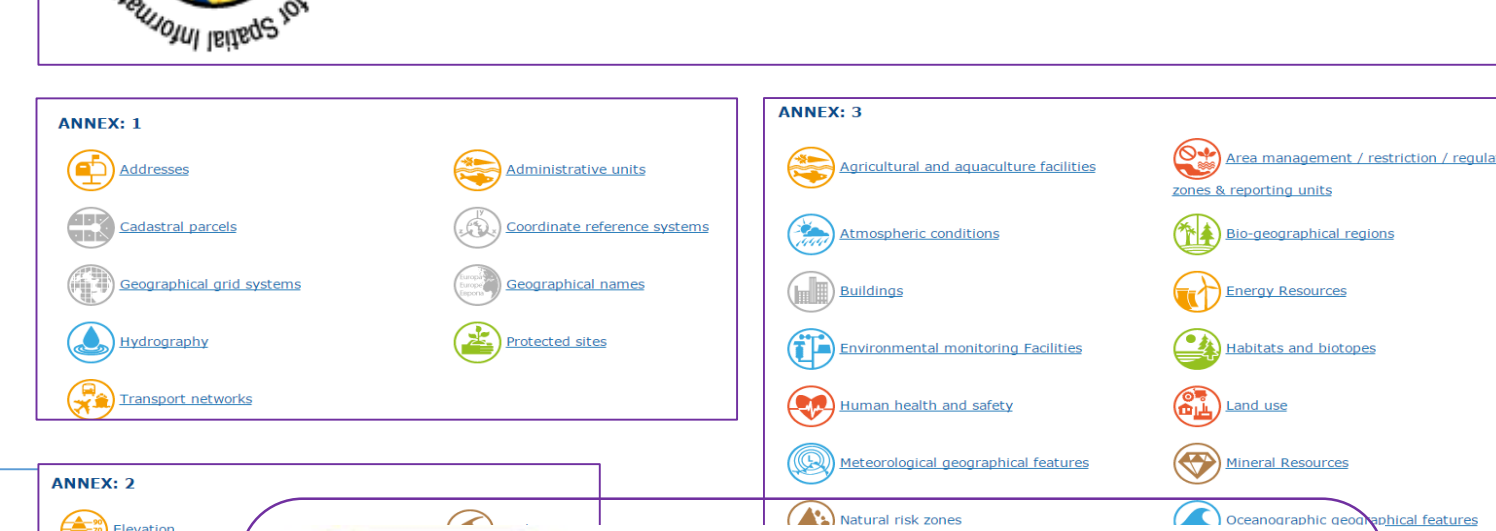
## Plinian Core conceptual view



Screenshot of the ICPNB website showing taxon information for *Canis lupus Linnaeus, 1758*. The page displays taxonomic details, distribution maps, and various management and conservation measures.

## Gateway Plinian C. - Inspire

## INSPIRE Infrastructure for Spatial Information in Europe



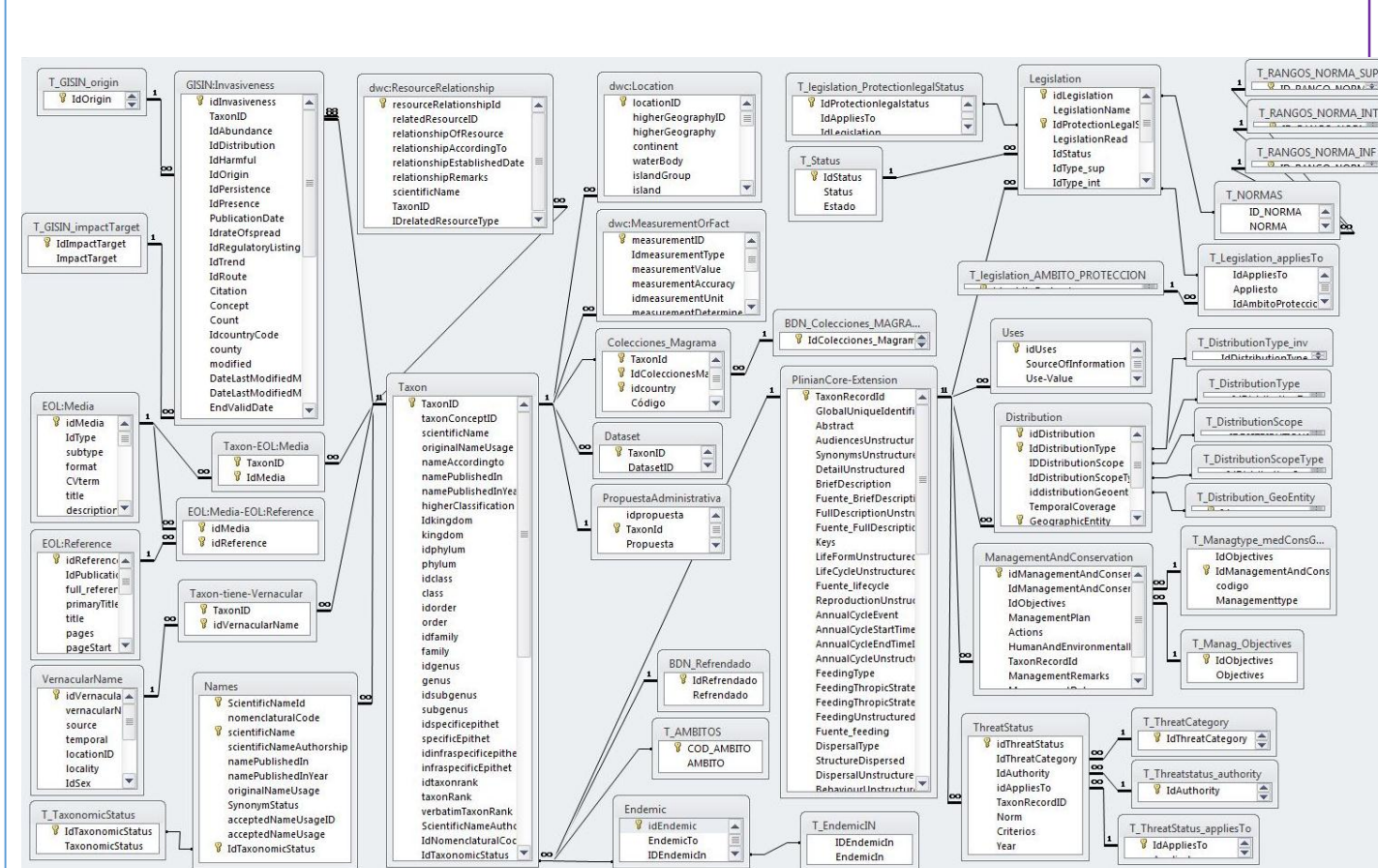
## Check lists

The core unit in the list is a **species** (or a taxon). Each taxon is identified by an **LSID**, and defined by a **name** (also identified by an **LSID**) and an **explicit fixed description**; that is formalized by a **publication** identified in turn by a **DOI**, or another persistent identifier.

B	C	D	E	F	G
taxonRecordID	scientificNameID	nameAccordingToID	taxonConceptID	scientificName	name
198E000E-78E8-4C-urn:lsid:ipni.org:nam:urn:lsid:recibio.net:urn:lsid:recibio.net:Anacyclus pyrethrum (L.) Link				Anacyclus pyrethrum (L.) Link	
58152C8D-3C01-44-urn:lsid:ipni.org:nam:urn:lsid:recibio.net:urn:lsid:recibio.net:Aaronsohia pubescens (Desf.) Bull				Aaronsohia pubescens (Desf.) Bull	
95C0F109-50BA-41-urn:lsid:ipni.org:nam:urn:lsid:recibio.net:urn:lsid:recibio.net:Aaronsohia Warb. & Eig. Lea				Aaronsohia Warb. & Eig. Lea	
BD4C5333-68EA-41-urn:lsid:ipni.org:nam:urn:lsid:recibio.net:urn:lsid:recibio.net:Agave ferox K. Koch				Agave ferox K. Koch	
A630B437-4020-41-urn:lsid:ipni.org:nam:urn:lsid:recibio.net:urn:lsid:recibio.net:Alopecurus gerardii Vill. Fl.				Alopecurus gerardii Vill. Fl.	

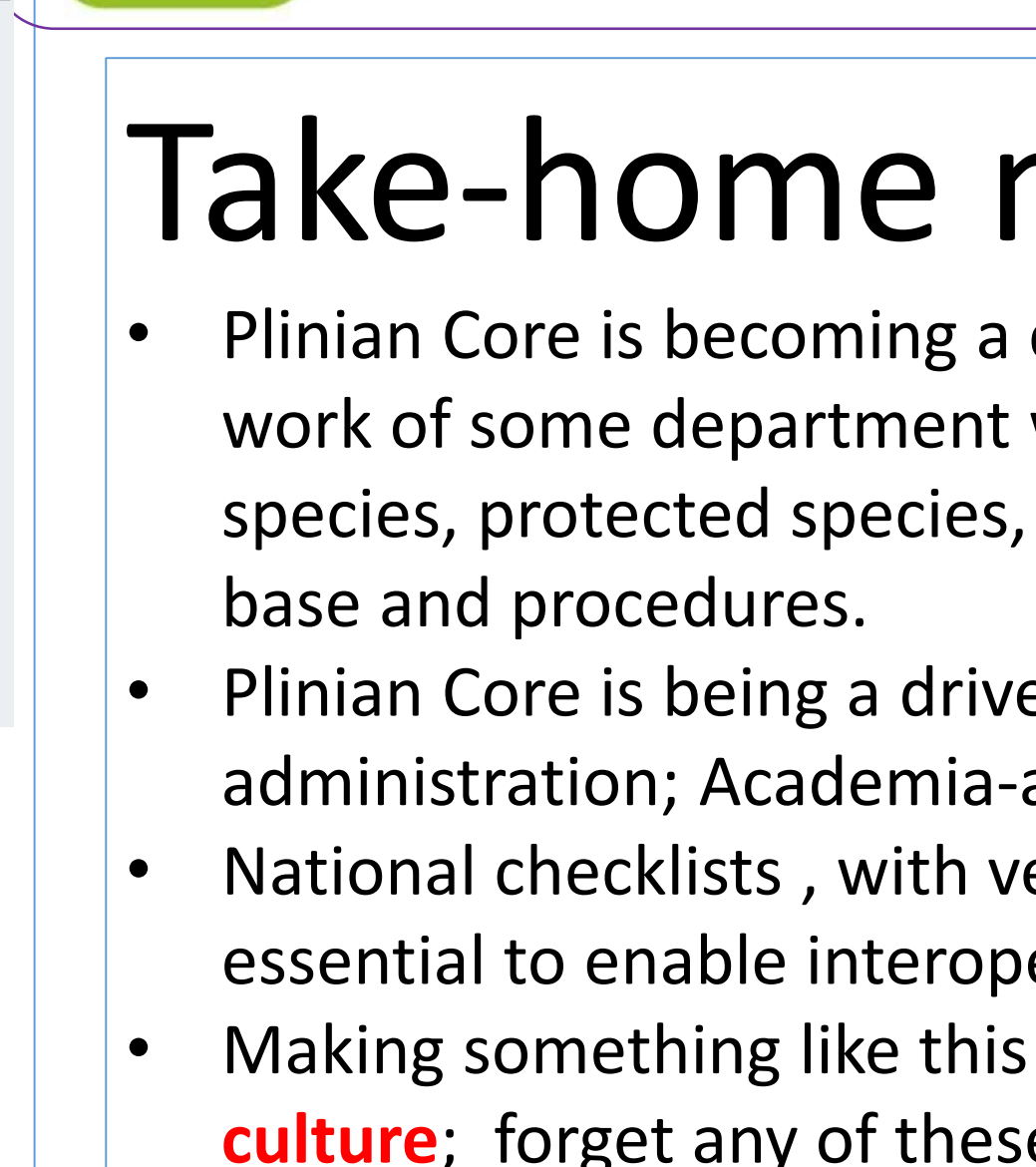
<http://www.gbif.es/ipt/ressource?r=taxonesfloraespanola>

## Database



Database structure (Fig.: MS-Access prototype): Oracle Flashback Technology, and **species concept mapping** between **versions** supported

## Species Distribution



## Take-home messages

- Plinian Core is becoming a common language to connect and streamline the work of some department which used to work independently (invasive species, protected species, international framework, etc. providing a share base and procedures.
- Plinian Core is being a driver in promoting cultural change: Administration-administration; Academia-administration.
- National checklists, with versions, identifiers and concept mapping are essential to enable interoperability, and reducing workload.
- Making something like this work requires **code**, **content**, **community**, and **culture**; forget any of these and you get nowhere.

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Juan Villares Muyo. SDG Environment. Ministry of Agriculture, Fisheries and Food and the Environment. Spain.

