

Species priorities

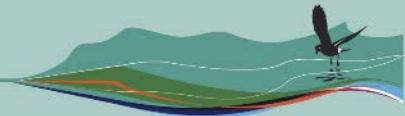


Which species are being protected across the
Mediterranean **MPA network**?

Maria Dias & Marguerite Tarzia

**PROTECTING SEABIRDS IN THE MEDITERRANEAN:
ADVANCING THE MARINE PROTECTED AREA NETWORK**

INTERNATIONAL WORKSHOP
23RD – 25TH NOVEMBER 2015



main aims

Present the information held by BirdLife for:

Balearic shearwater

Yelkouan shearwater

Scopoli's shearwater

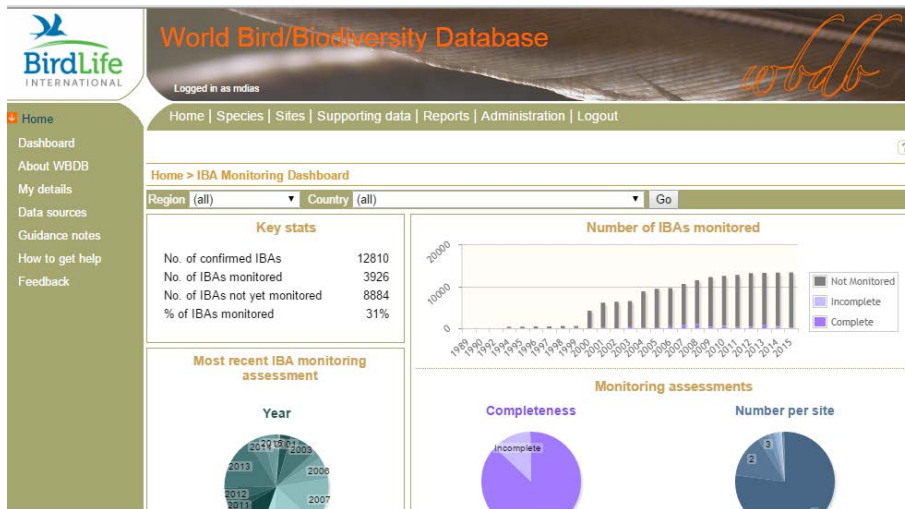
Audouin's gull

European shag

Quantify coverage by MPA network

Identify data gaps

Data compiled by BirdLife partners – mIBAS Colonies, seaward extensions, foraging and passage sites



■ Partner NGO
 ■ Affiliate NGO
 ■ BirdLife Direct Action

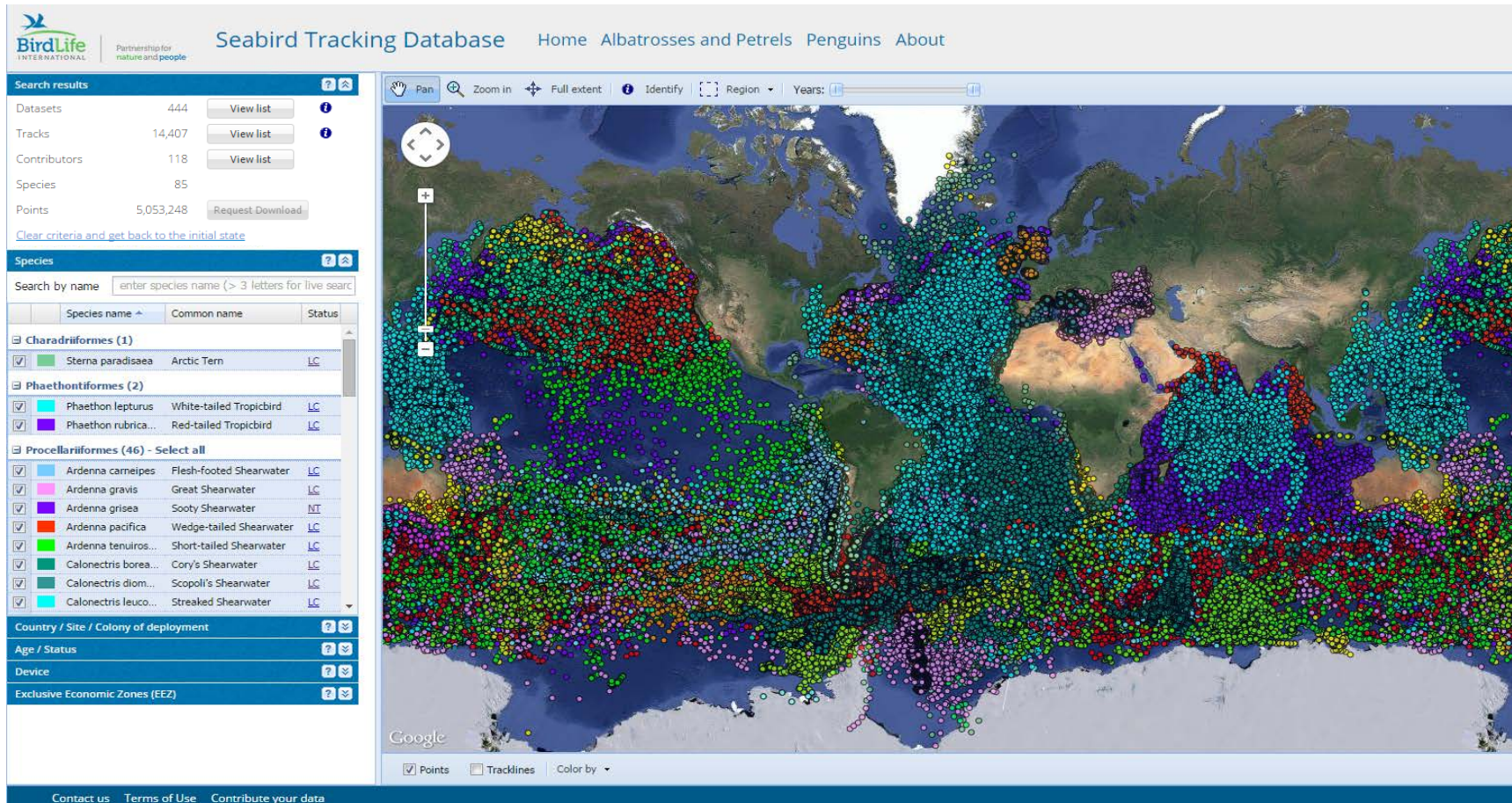
methods

For each species:

- IBAs where the species is present
- **Overlap with MPA** network (UNEP/WCMC World Database on Protected Areas; including **SPA**)
 - Breeding colonies
 - At-sea sites / outside colonies

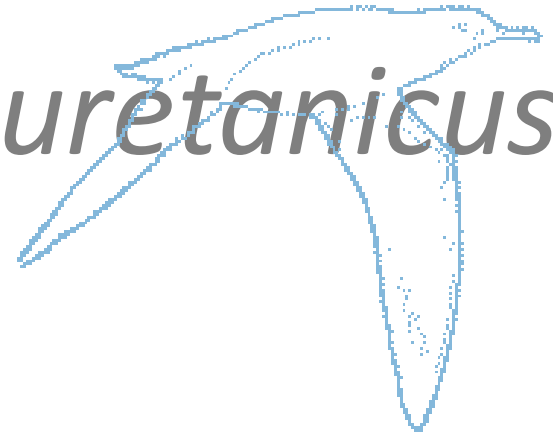
methods

Tracking data available at the Seabird Tracking Database



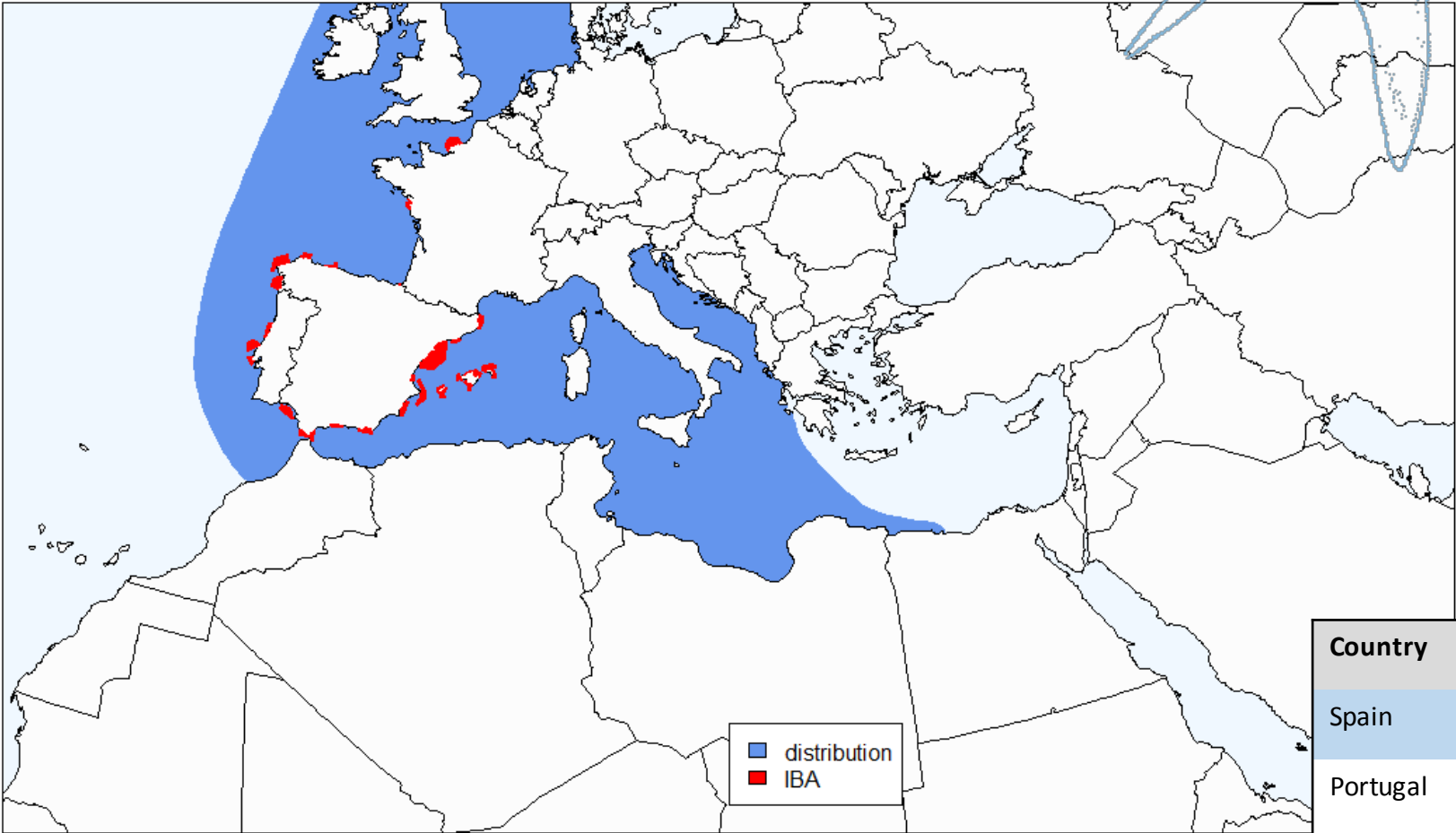
Balearic shearwater

Puffinus mauretanicus



Balearic shearwater

Balearic Shearwater

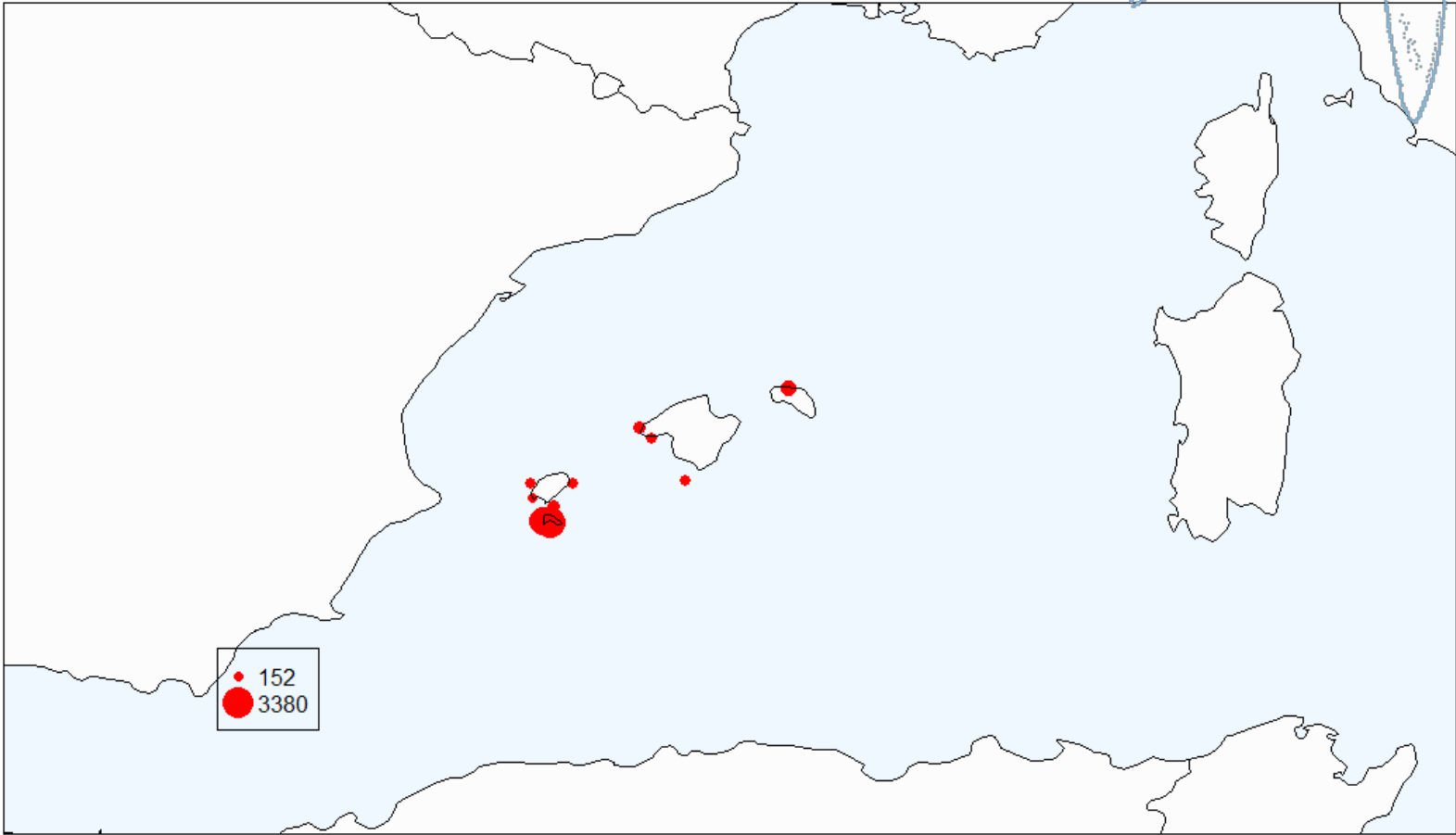


Country	mIBAs
Spain	34
Portugal	3
France	2
Gibraltar	1

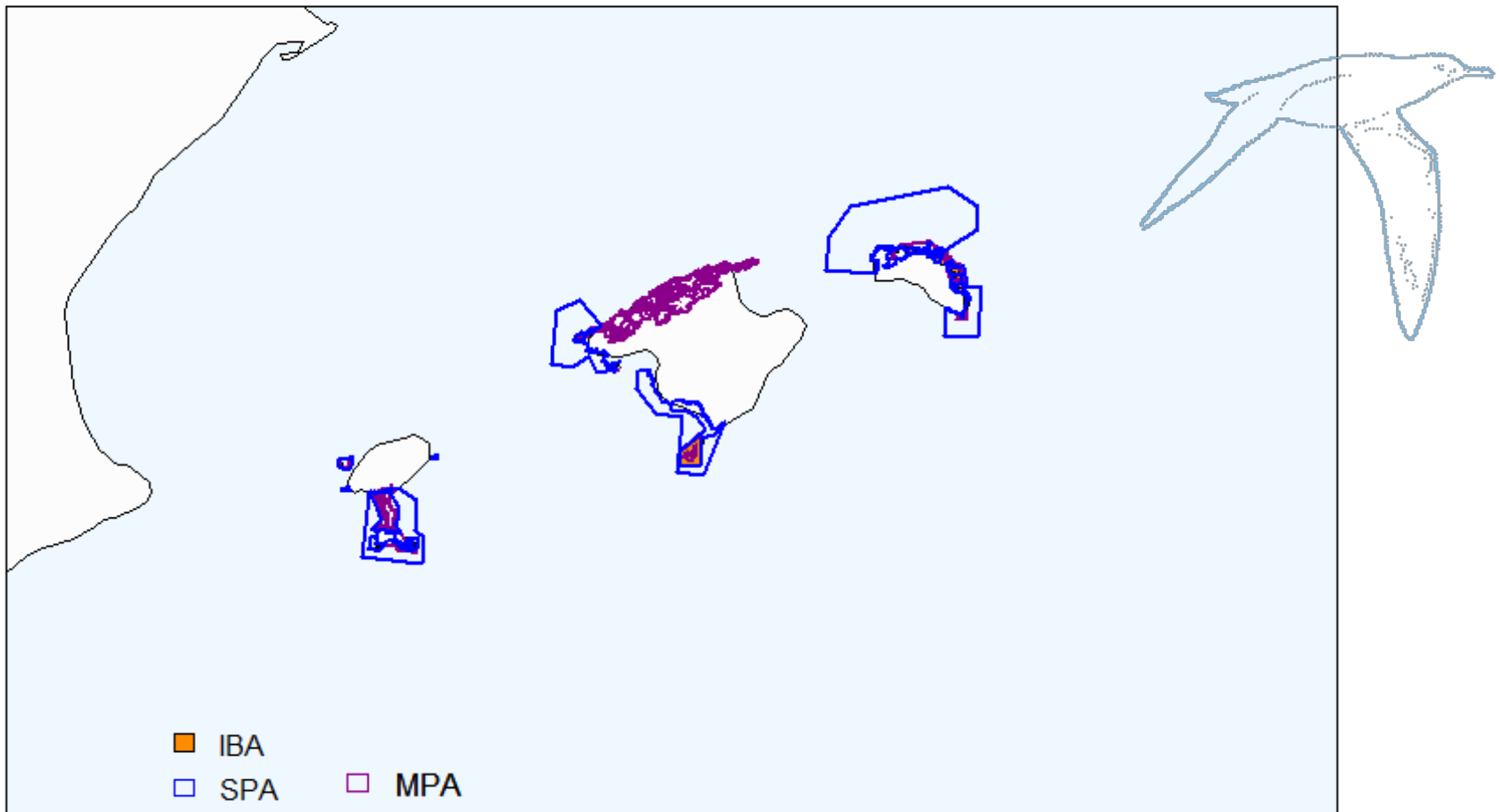
Balearic shearwater: colony locations and sizes



Balearic Shearwater



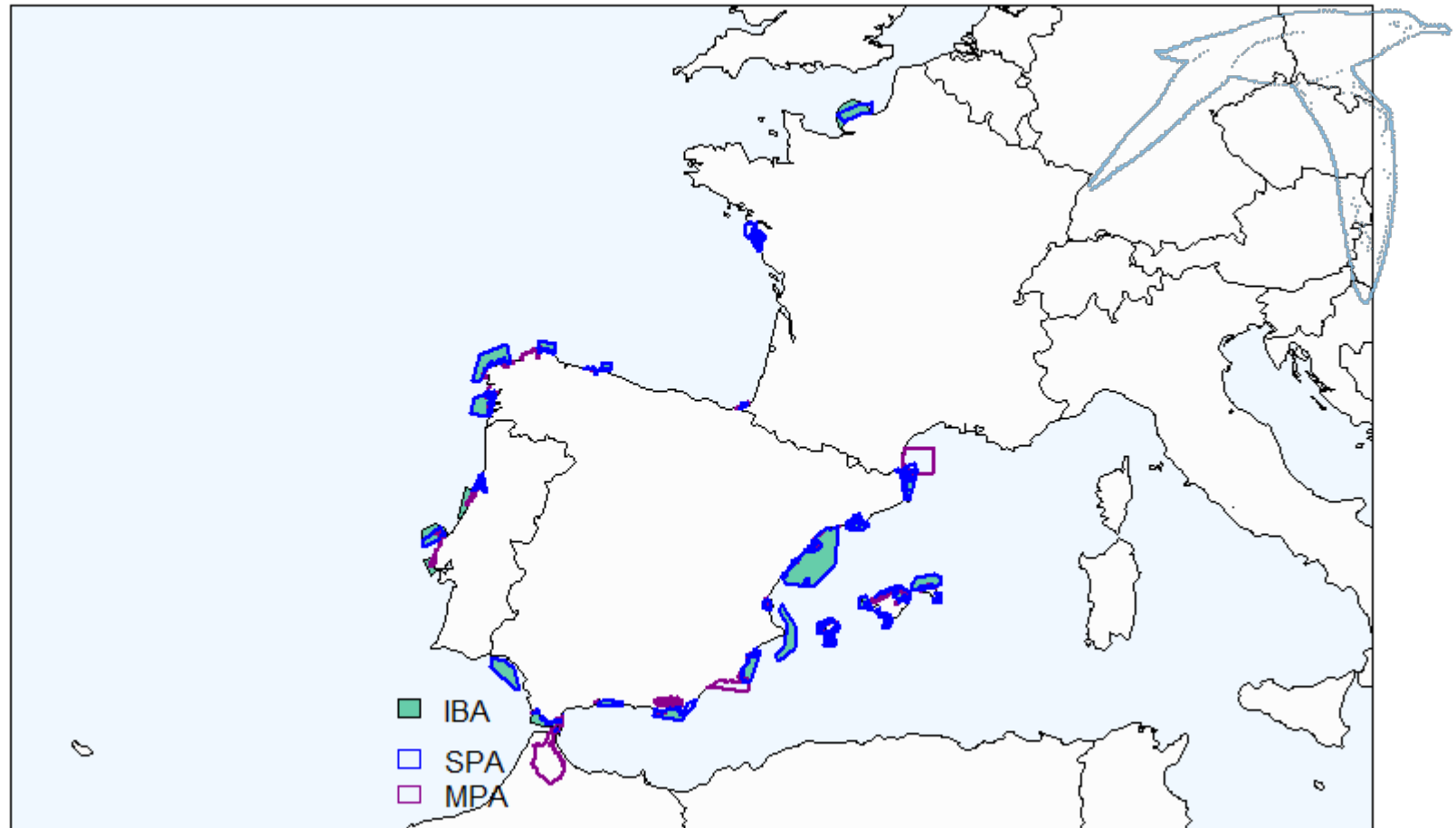
Balearic Shearwater; colonies



SPA covering colony IBAs: 10/10

MPA covering colony IBAs: 10/10

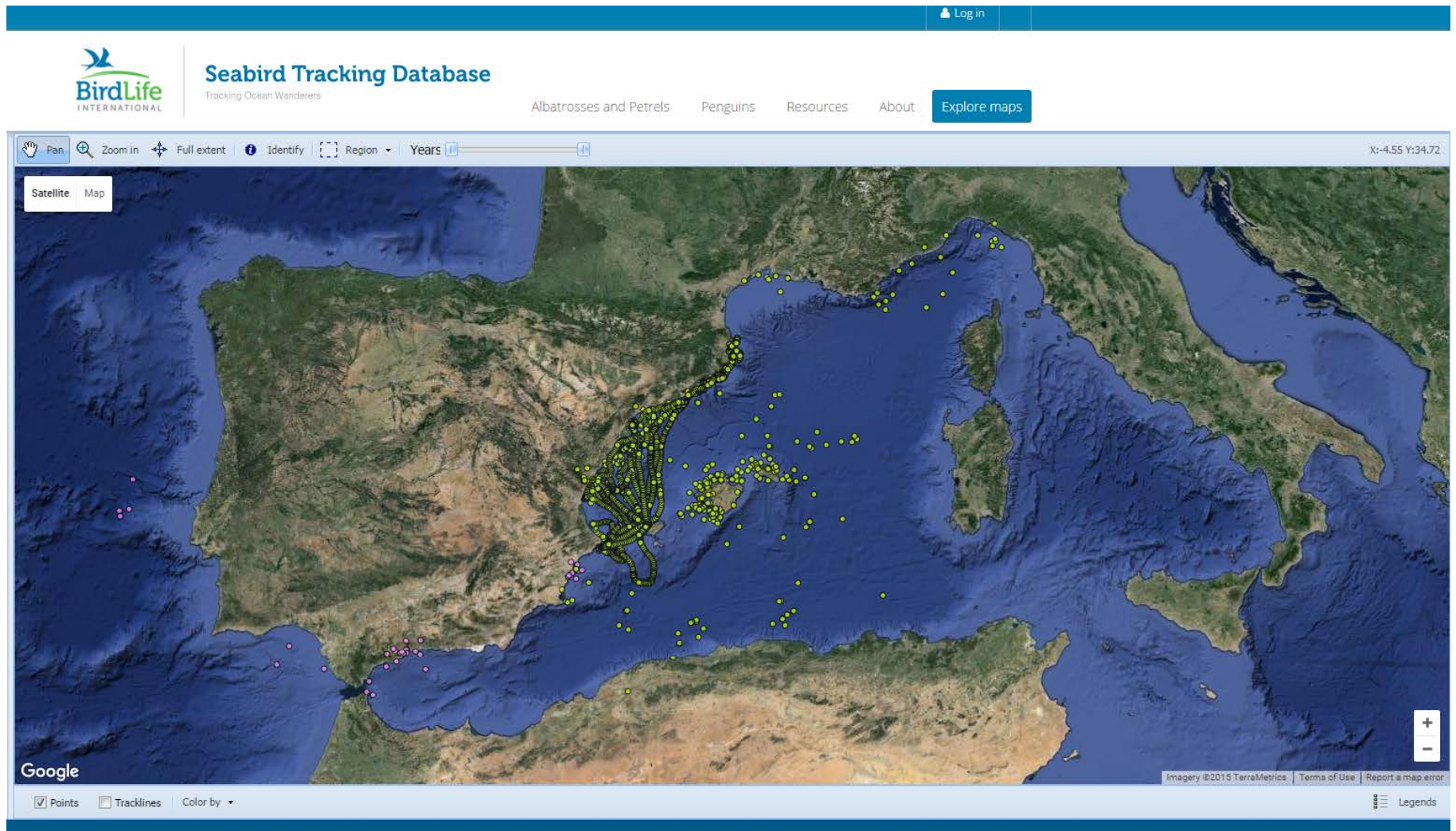
Balearic Shearwater; at-sea



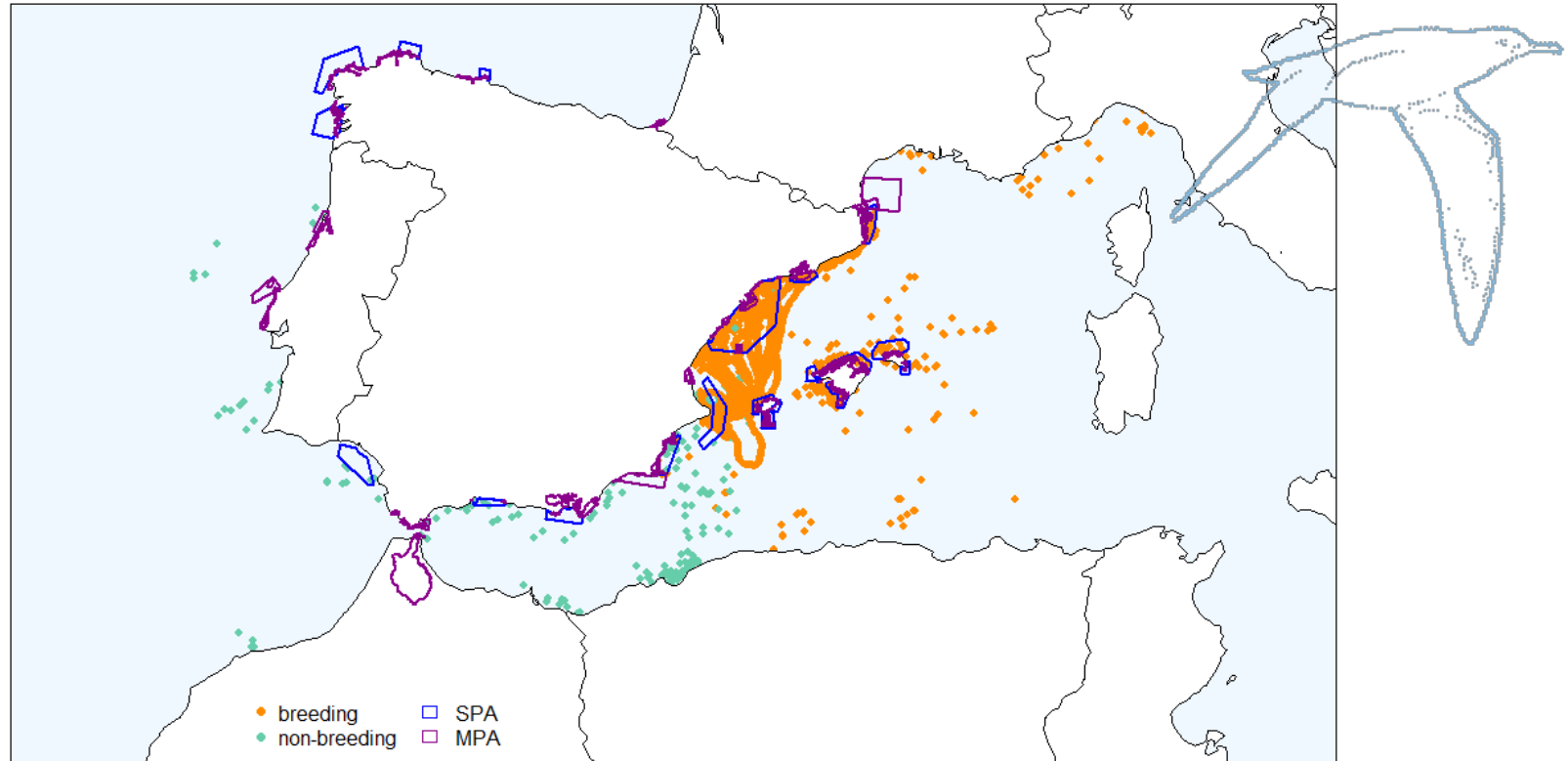
SPA covering IBAs outside colonies: 30/30

MPA covering IBAs outside colonies: 30/30

Tracking data – data available in the Seabird Tracking Database <http://seabirdtracking.org/>



Balearic Shearwater



Colonies with tracking data: 4 - Formentera, Ibiza, Mallorca, Menorca
7 different datasets (1999 – 2012)
30 tracks (17 during breeding)

Data contributors: Asuncion Ruiz , Pep Arcos, Maite Louzao

Yelkouan shearwater

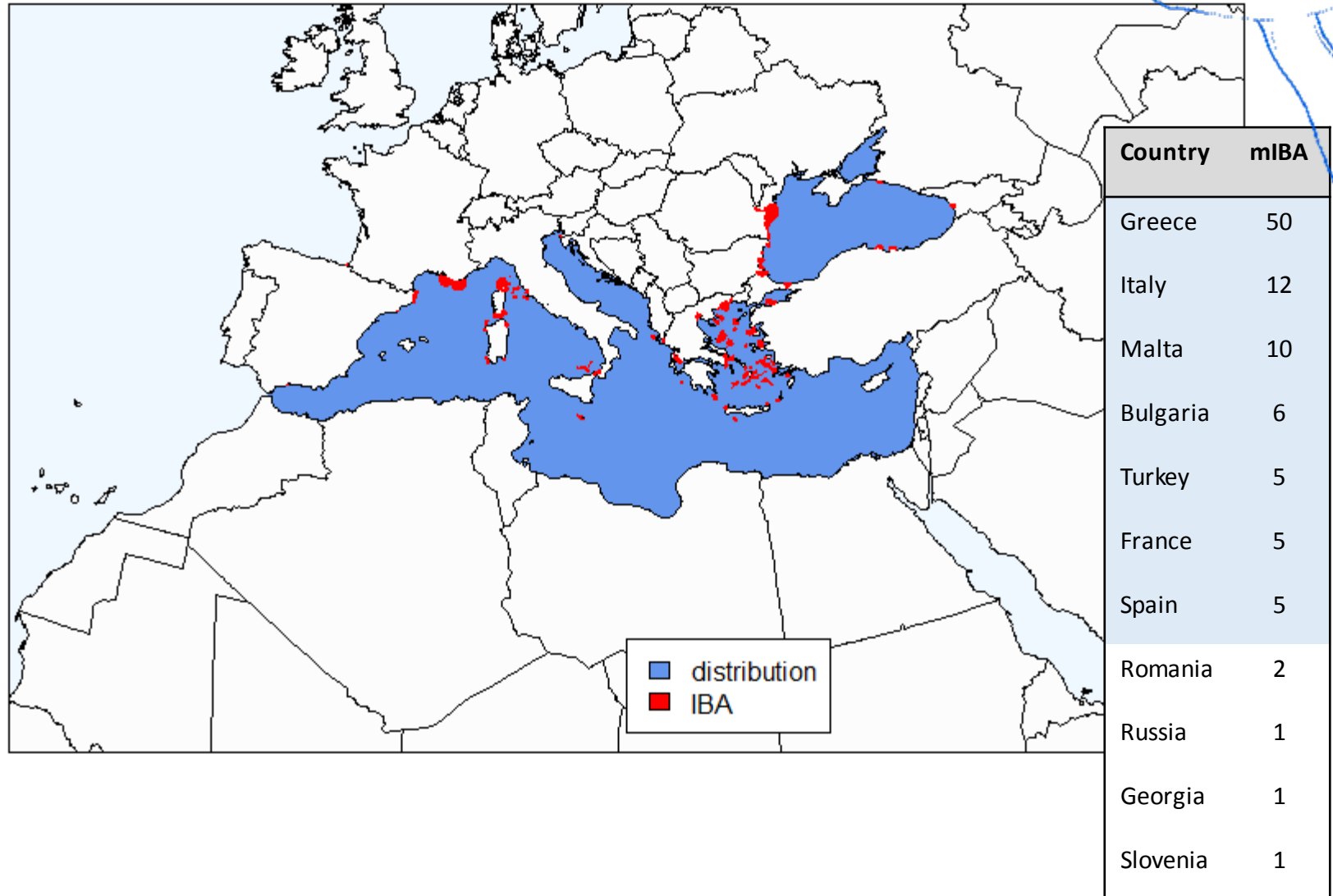
Puffinus yelkouan



Yelkouan shearwater



Yelkouan Shearwater



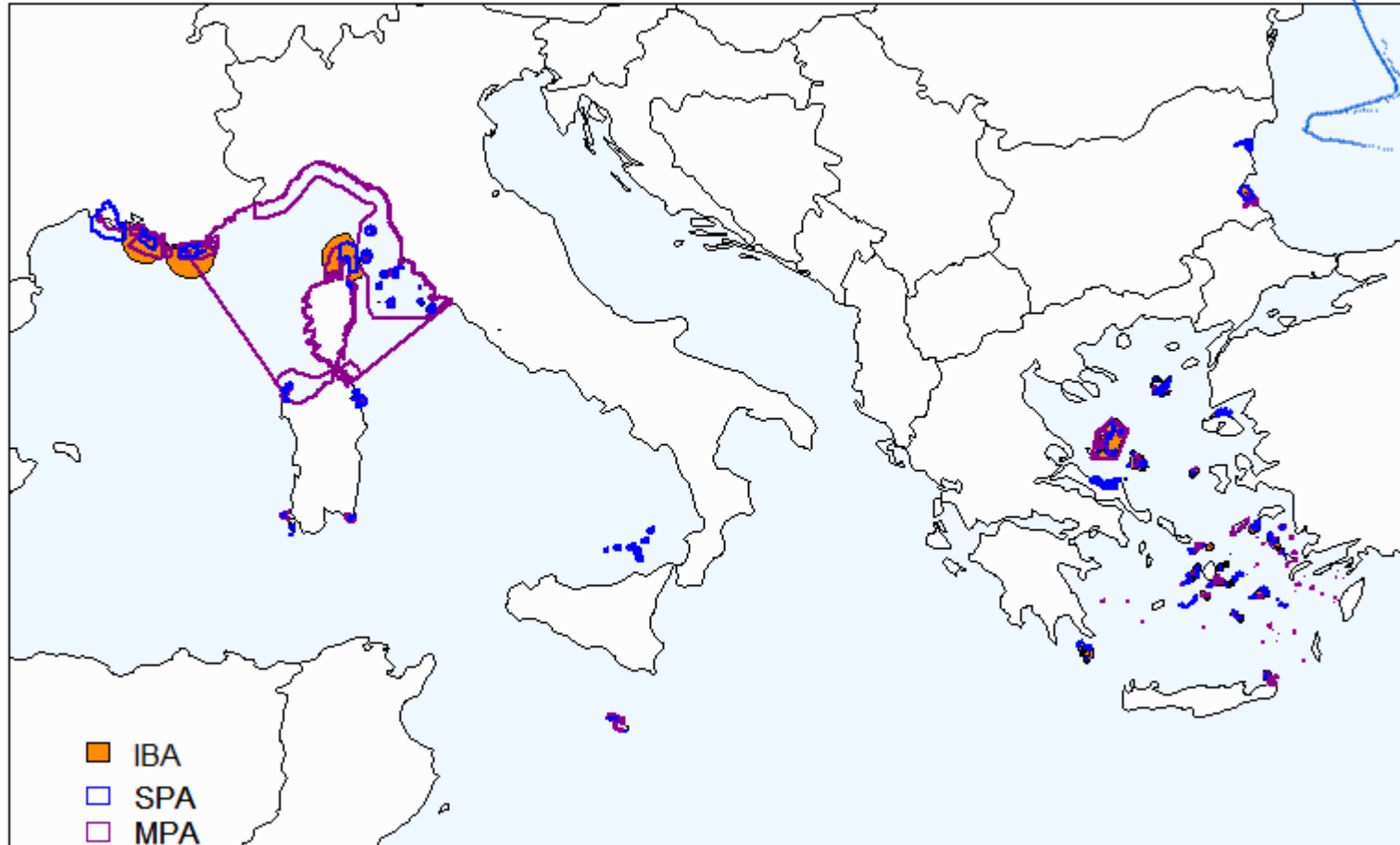
Yelkouan shearwater: colony locations and sizes



Yelkouan Shearwater



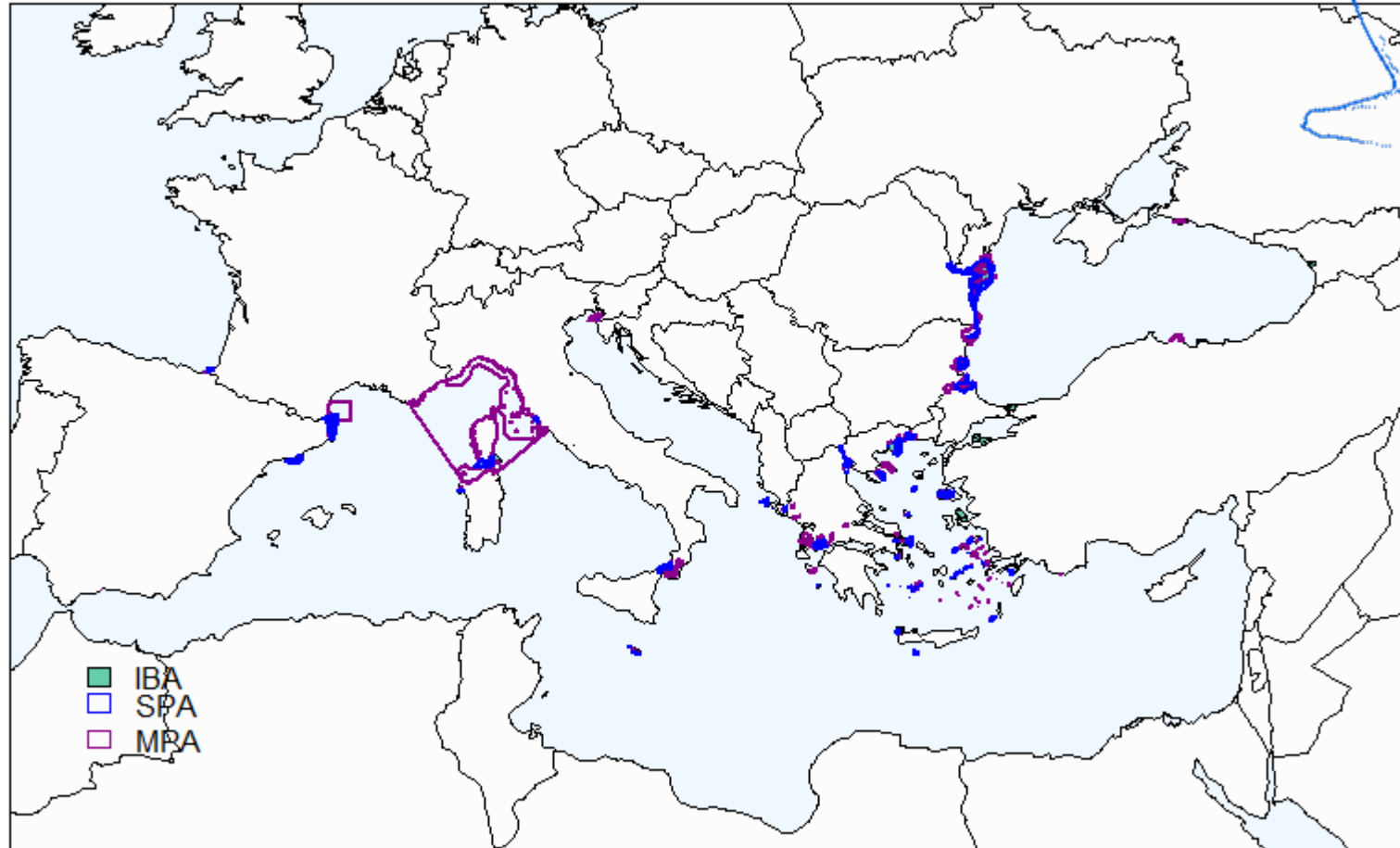
Yelkouan Shearwater; colonies



SPA covering colony IBAs: 33/33

MPA covering colony IBAs: 33/33

Yelkouan Shearwater; at-sea



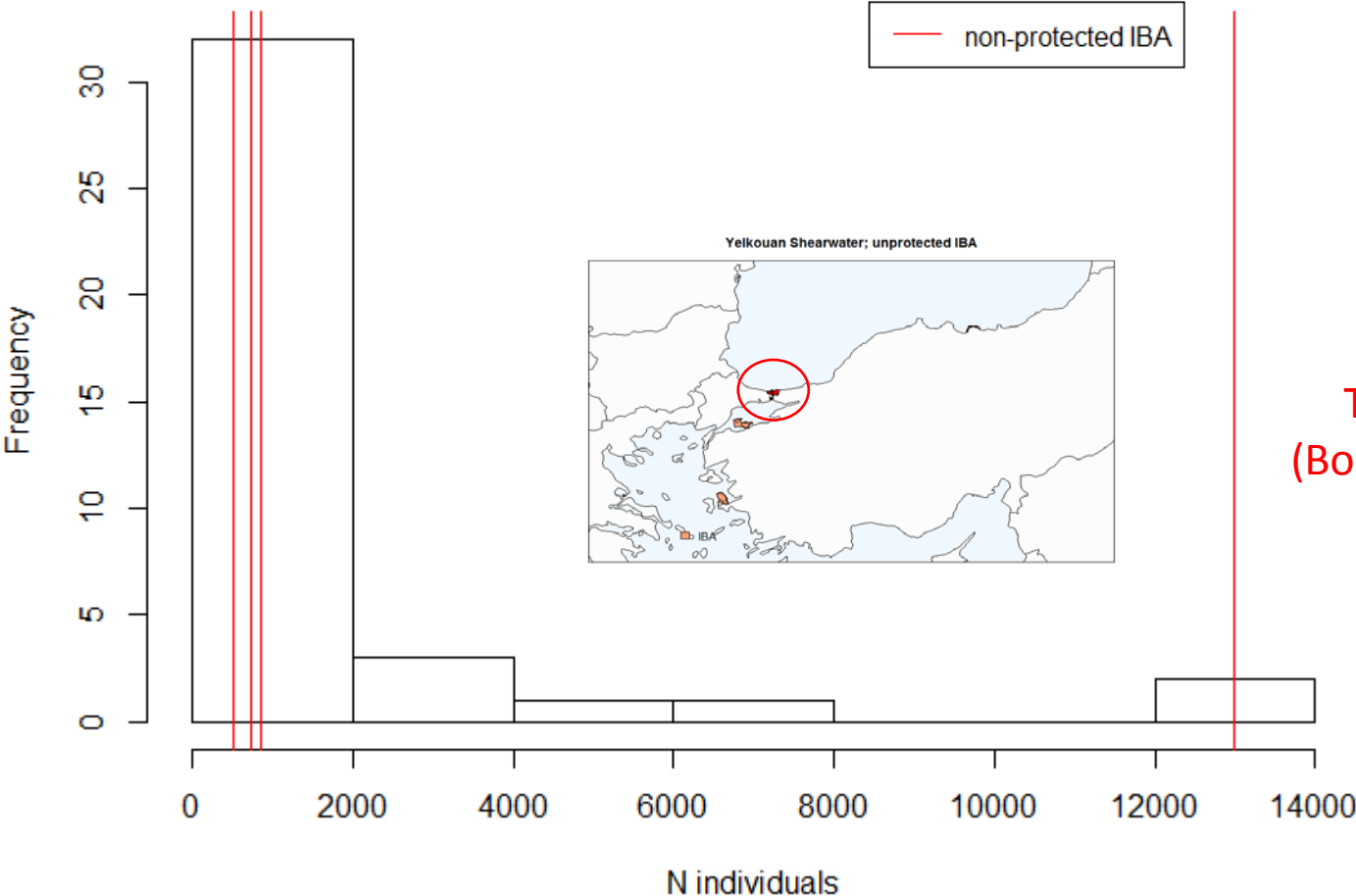
SPA covering IBAs outside colonies : 53/62
MPA covering IBAs outside colonies : 58/62

How important are these unprotected sites?

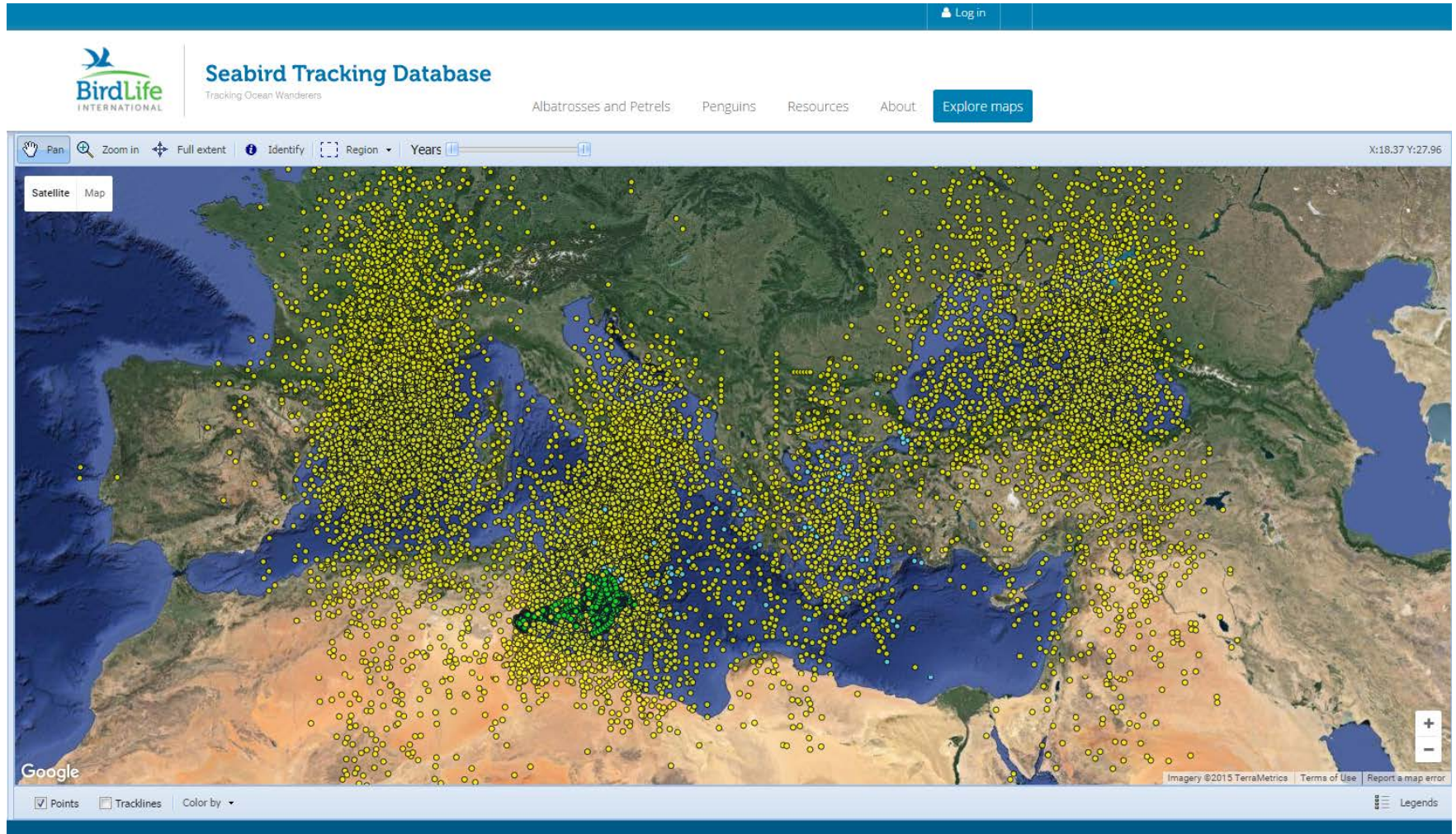
Abundance data



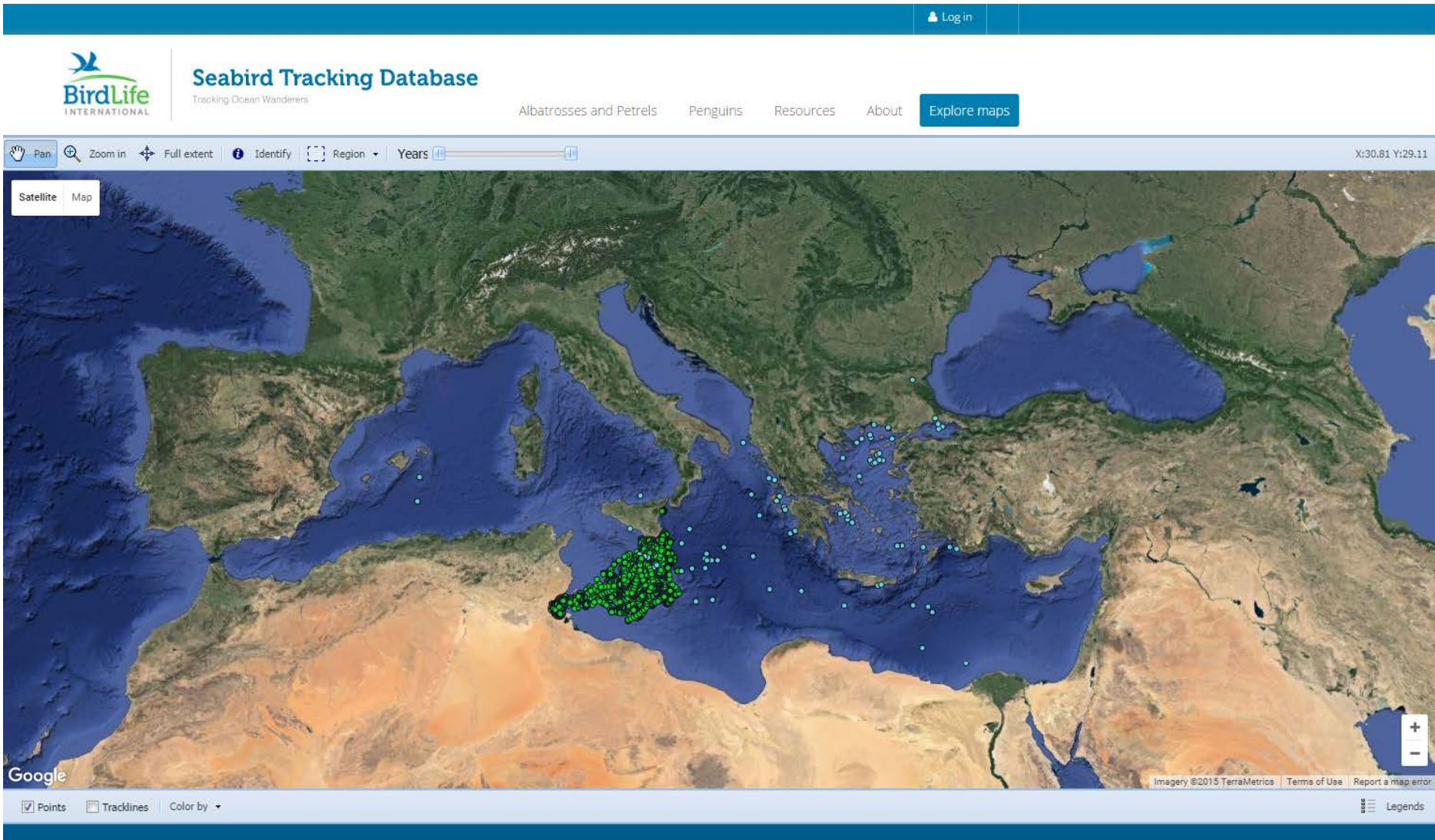
non-colony sites - abundance



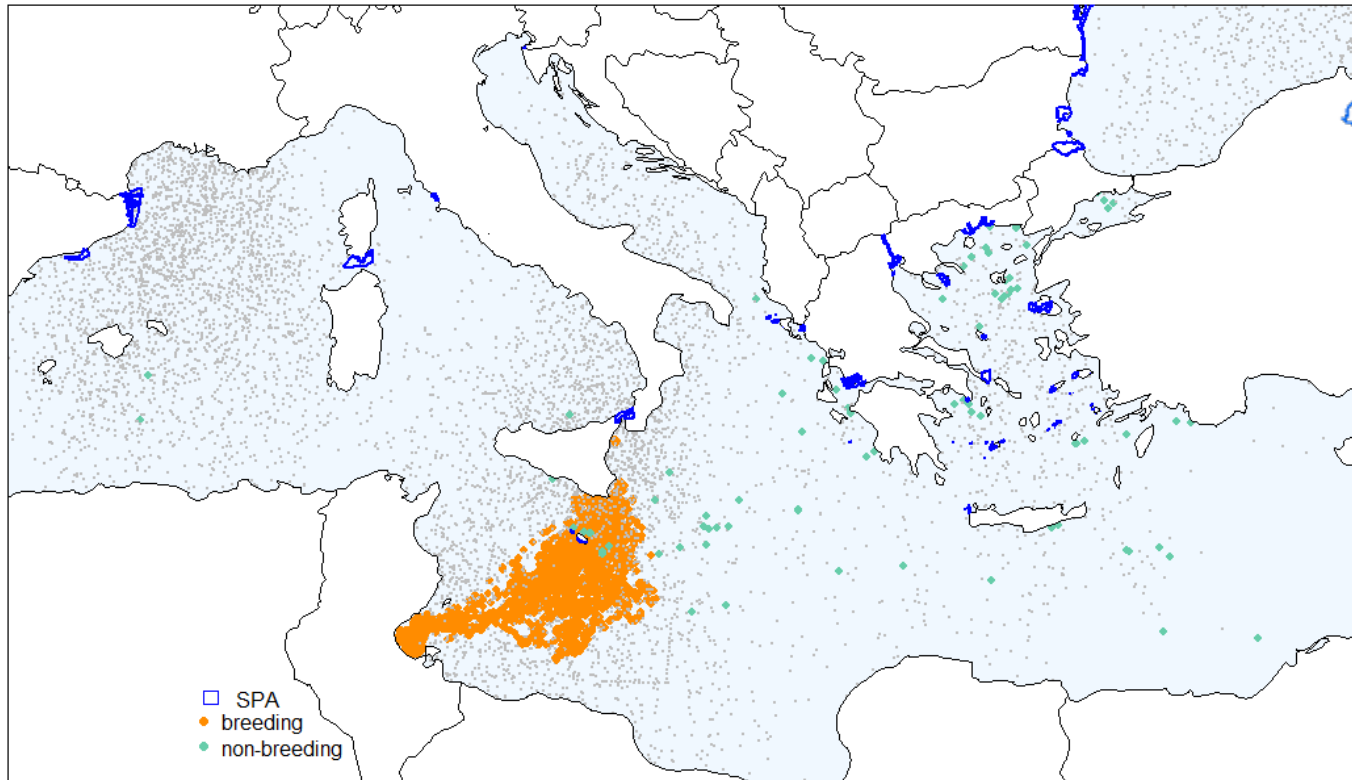
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Tracking data – data available in the Seabird Tracking Database <http://seabirdtracking.org/>



Yelkouan Shearwater

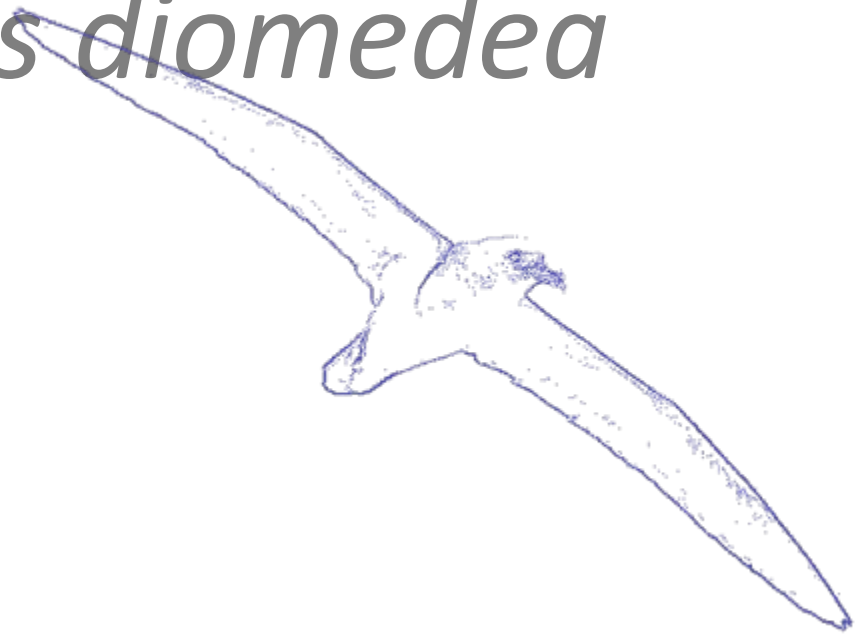


Colonies with tracking data: **4** - Iles Hyeres, Majjistral, Malta, Rdum Tal Madonna
6 different **datasets** (2006 – 2014)
109 tracks (75 breeding)

Data contributors: Andre **Raine**, Benjamin **Metzger**, Jacob **Gonzalez-Solis**

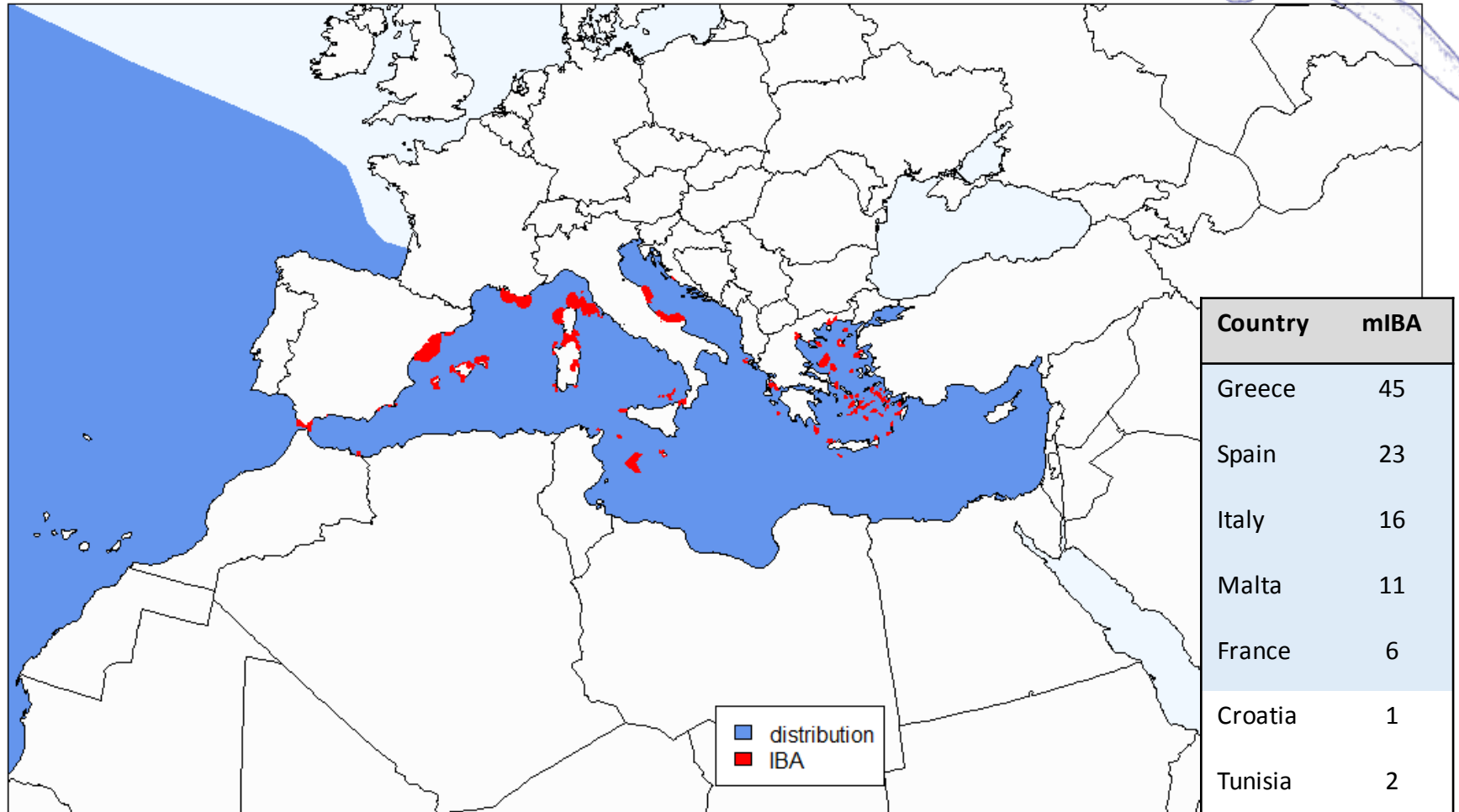
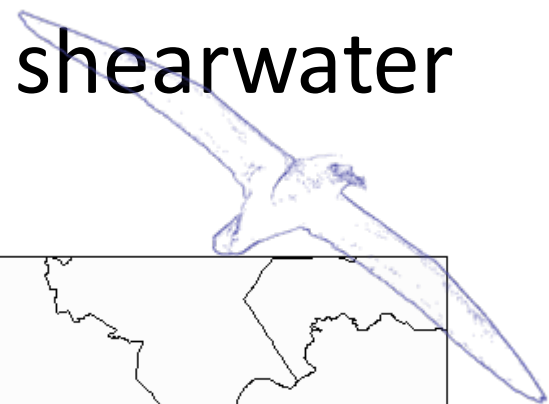
Scopoli's shearwater

Calonectris diomedea



Scopoli's shearwater

Scopoli's Shearwater



Country	mIBA
Greece	45
Spain	23
Italy	16
Malta	11
France	6
Croatia	1
Tunisia	2
Gibraltar	1

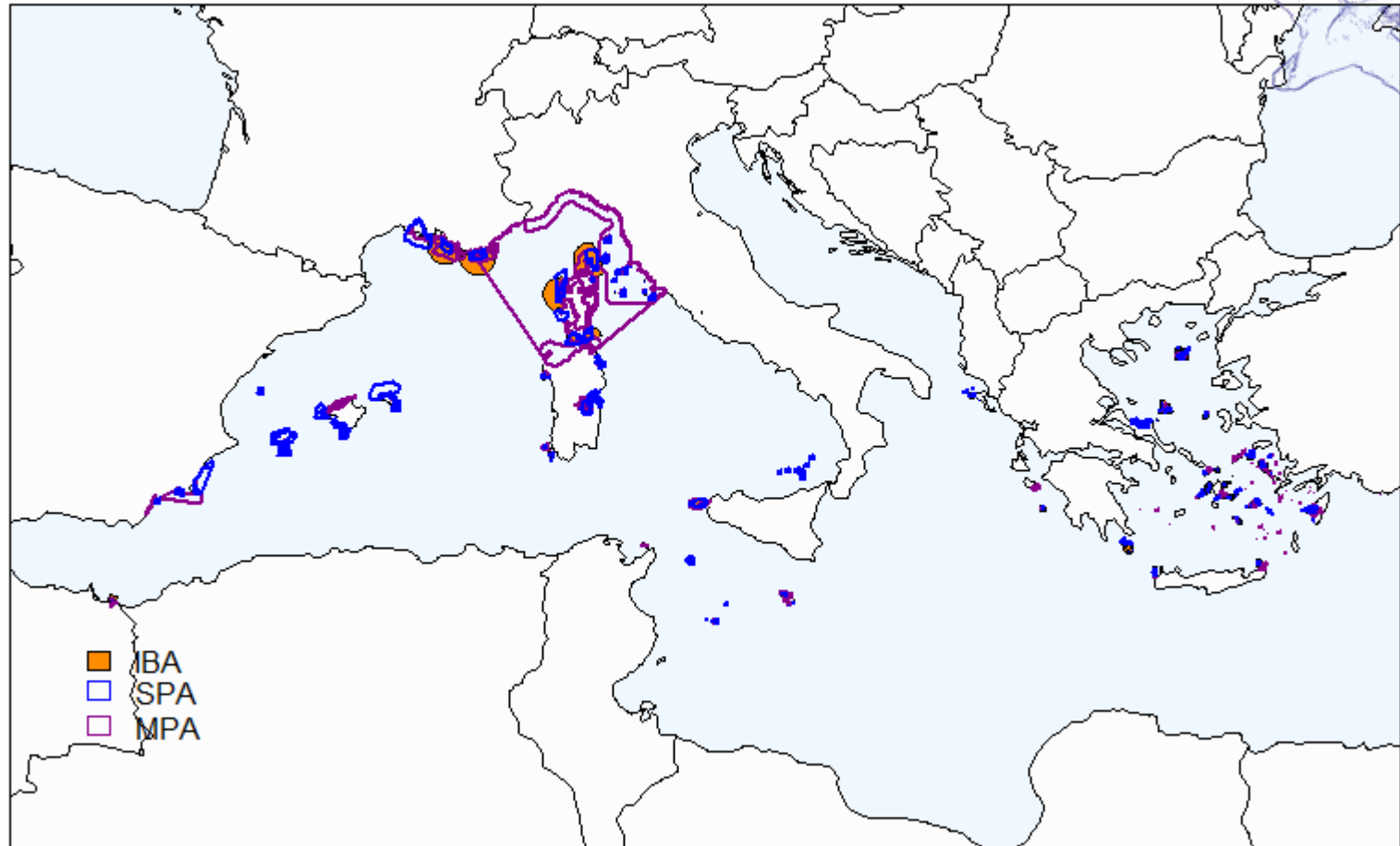
Scopoli's shearwater: colony locations and sizes



Scopoli's Shearwater



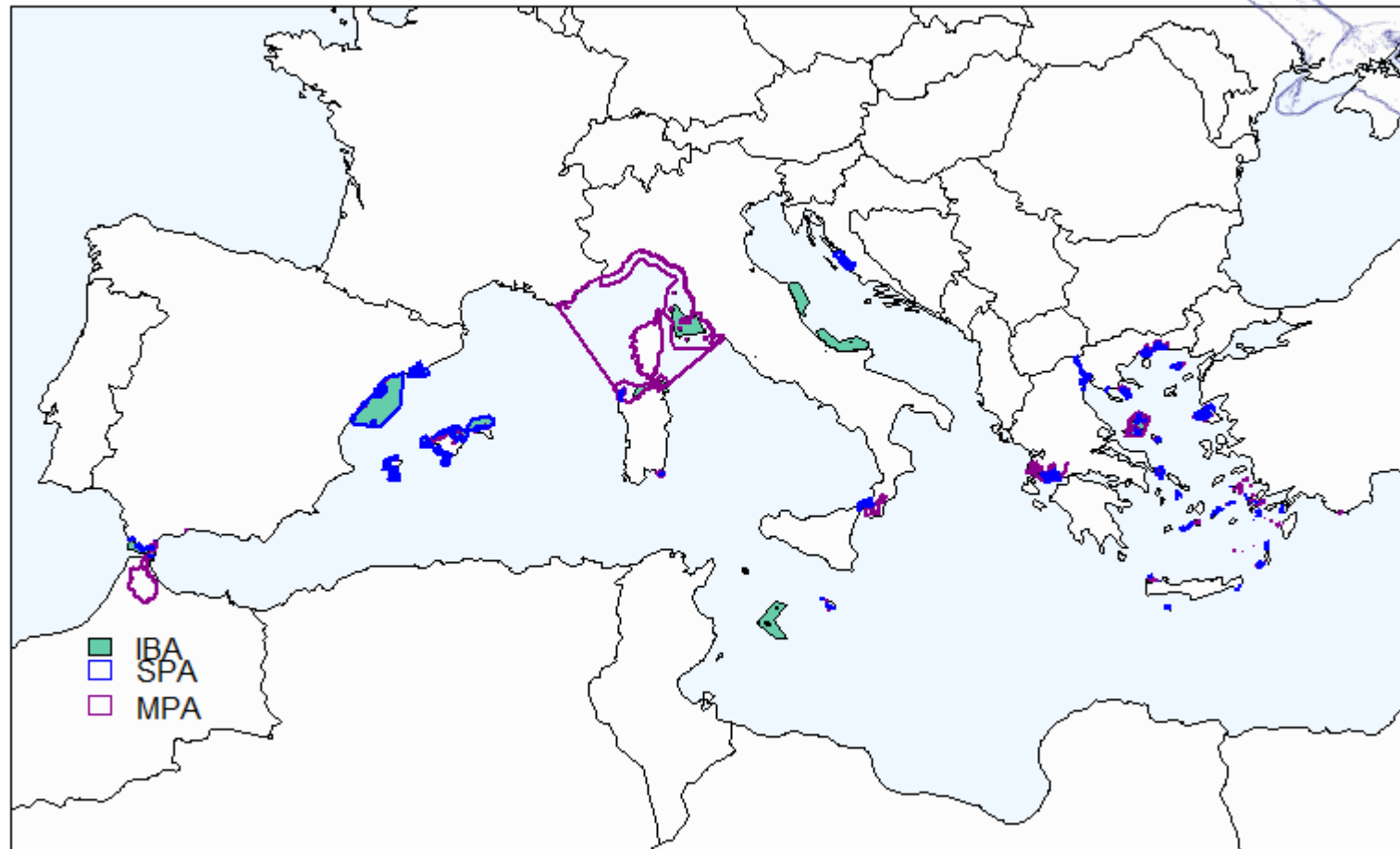
Scopoli's Shearwater; colonies



SPA covering colony IBAs: 50/51

MPA covering colony IBAs: 51/51

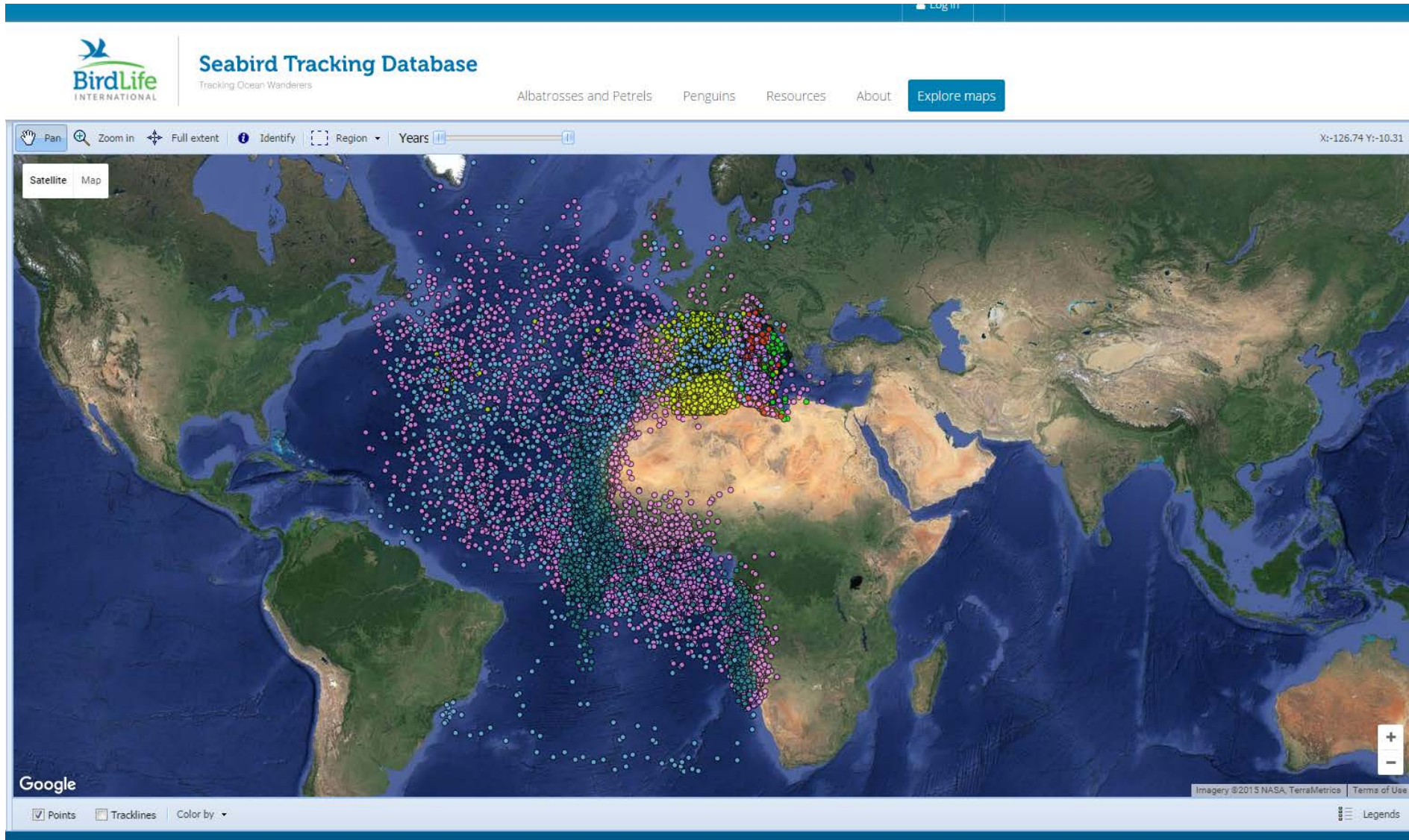
Scopoli's Shearwater; at-sea



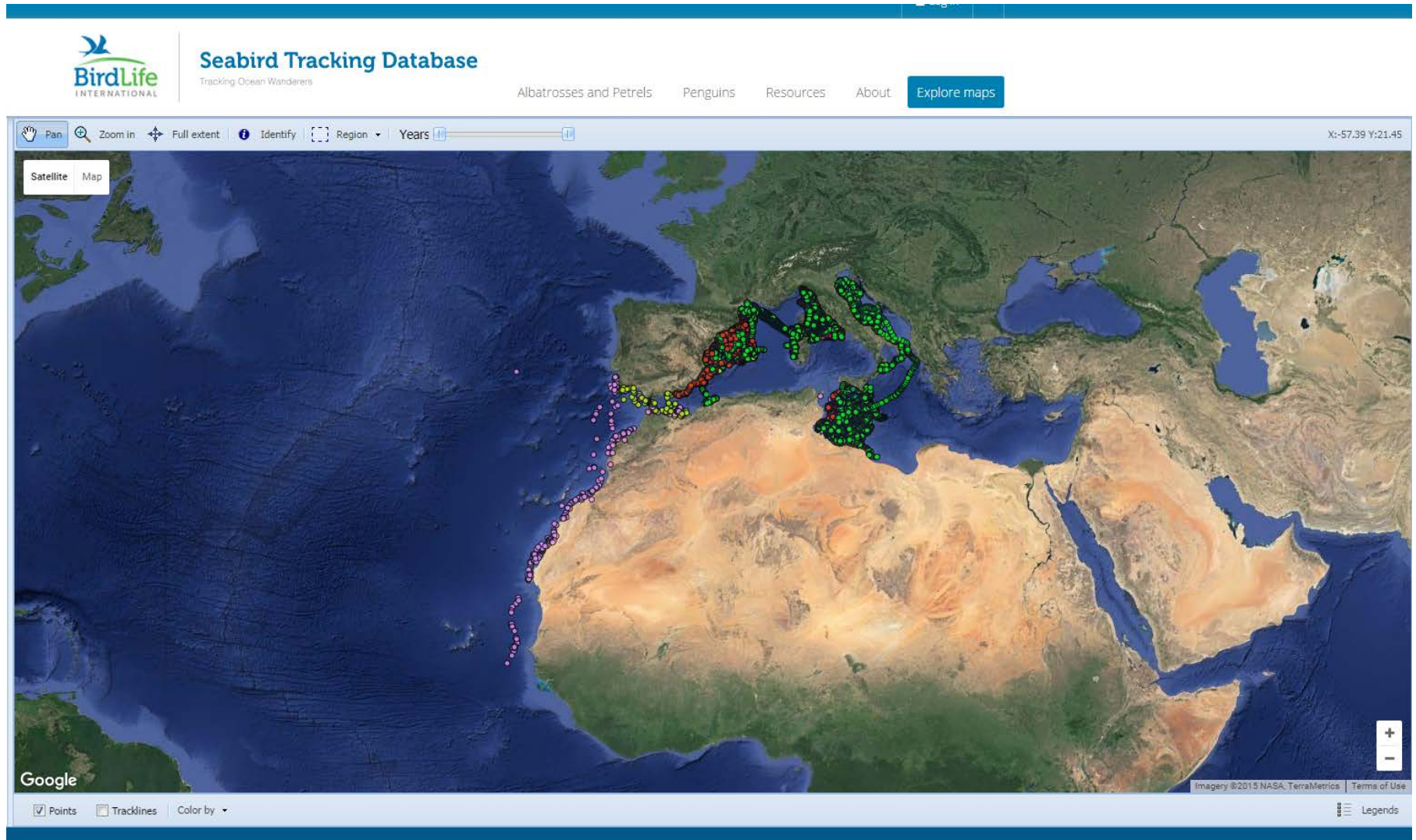
SPA covering IBAs outside colonies: 50/53

MPA covering IBAs outside colonies: 53/53

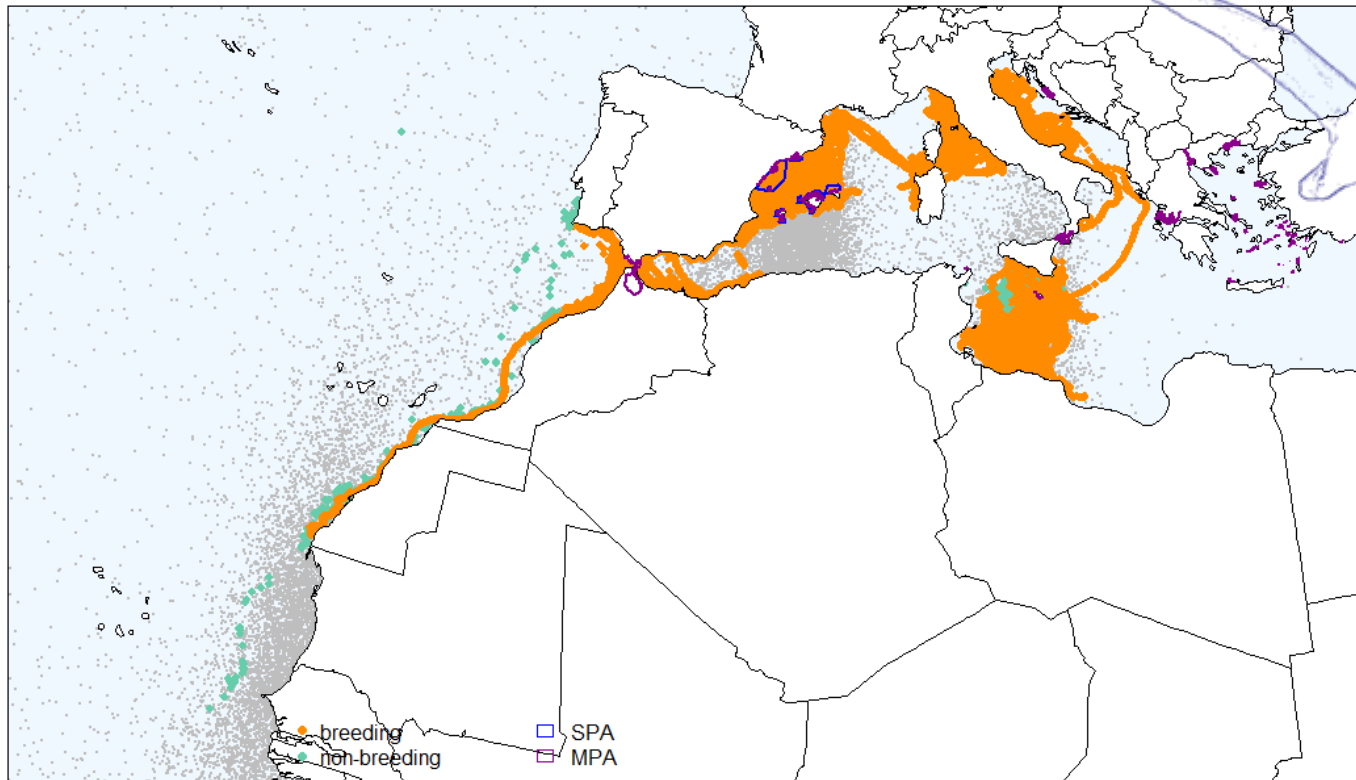
Tracking data – data available in the Seabird Tracking Database <http://seabirdtracking.org/>



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Scopoli's Shearwater



Colonies with tracking data: **17** (sites: Balearic Archipelago, Chafarinas, Columbretes, Filfla, Gozo, La Maddalena Archipelago, Linosa, Malta, Tremiti Archipelago, Tuscany Archipelago)

30 different **datasets** (2000 – 2014)

918 tracks (899 during breeding)

Data contributors: Andre **Raine**, Benjamin **Metzger**, Daniel **Oro**, Giorgia **Gaibani**, Jacob **Gonzalez-Solis**, Jacopo G. **Cecere**, Pep **Arcos**

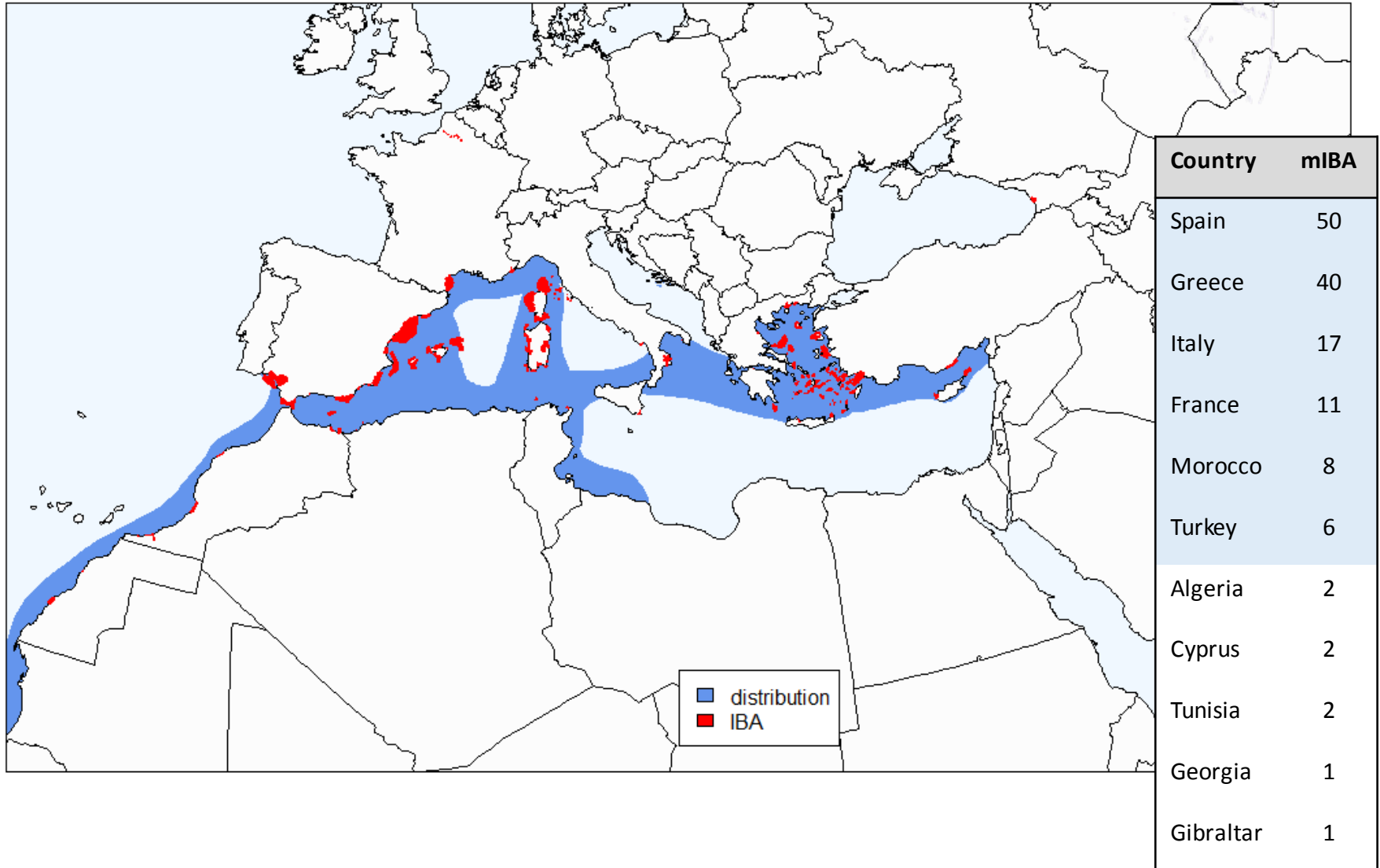
Audouin's gull

Larus audouinii



Audouin's gull

Audouin's Gull



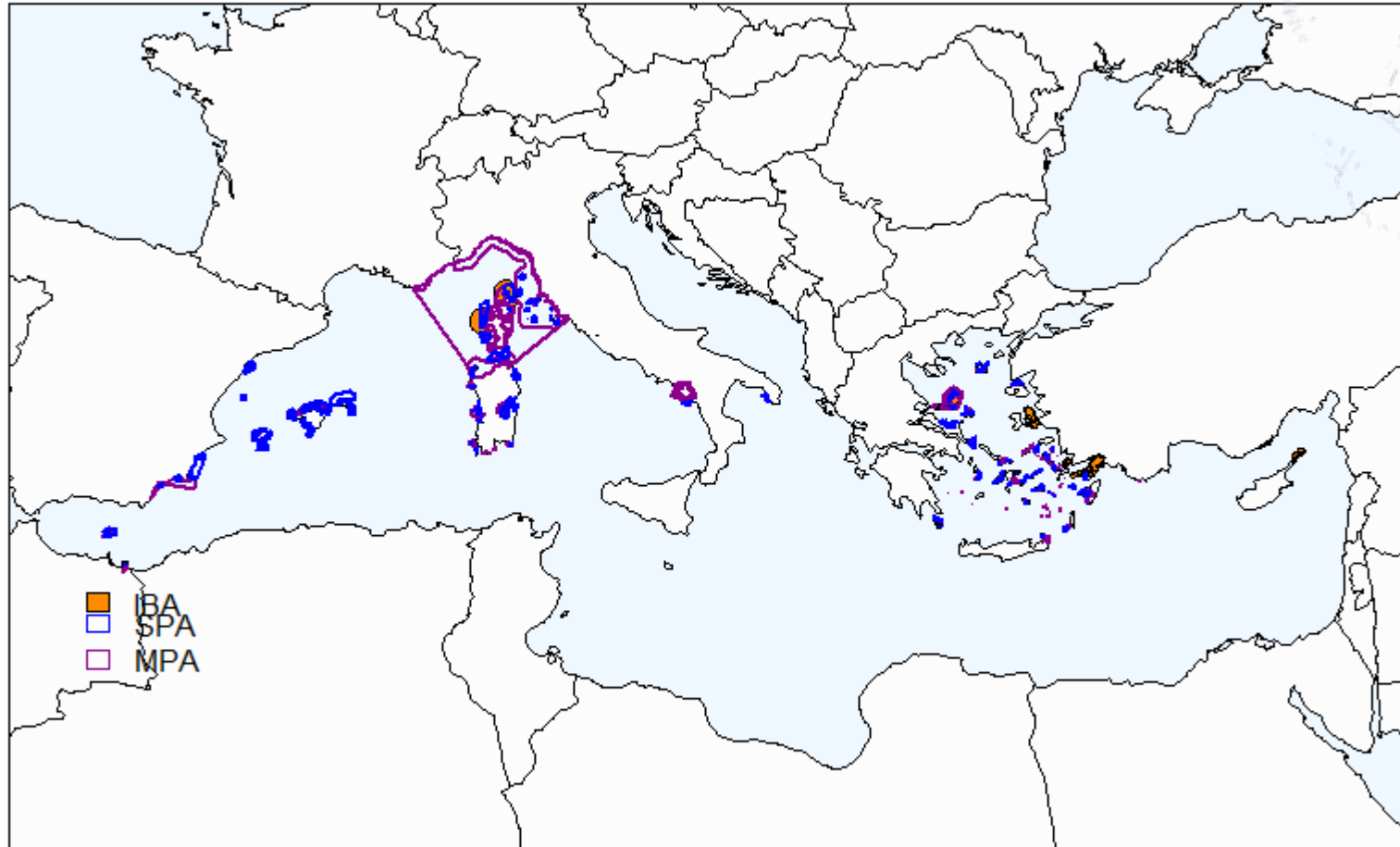
Audouin's gull: colony locations and sizes



Audouin's Gull



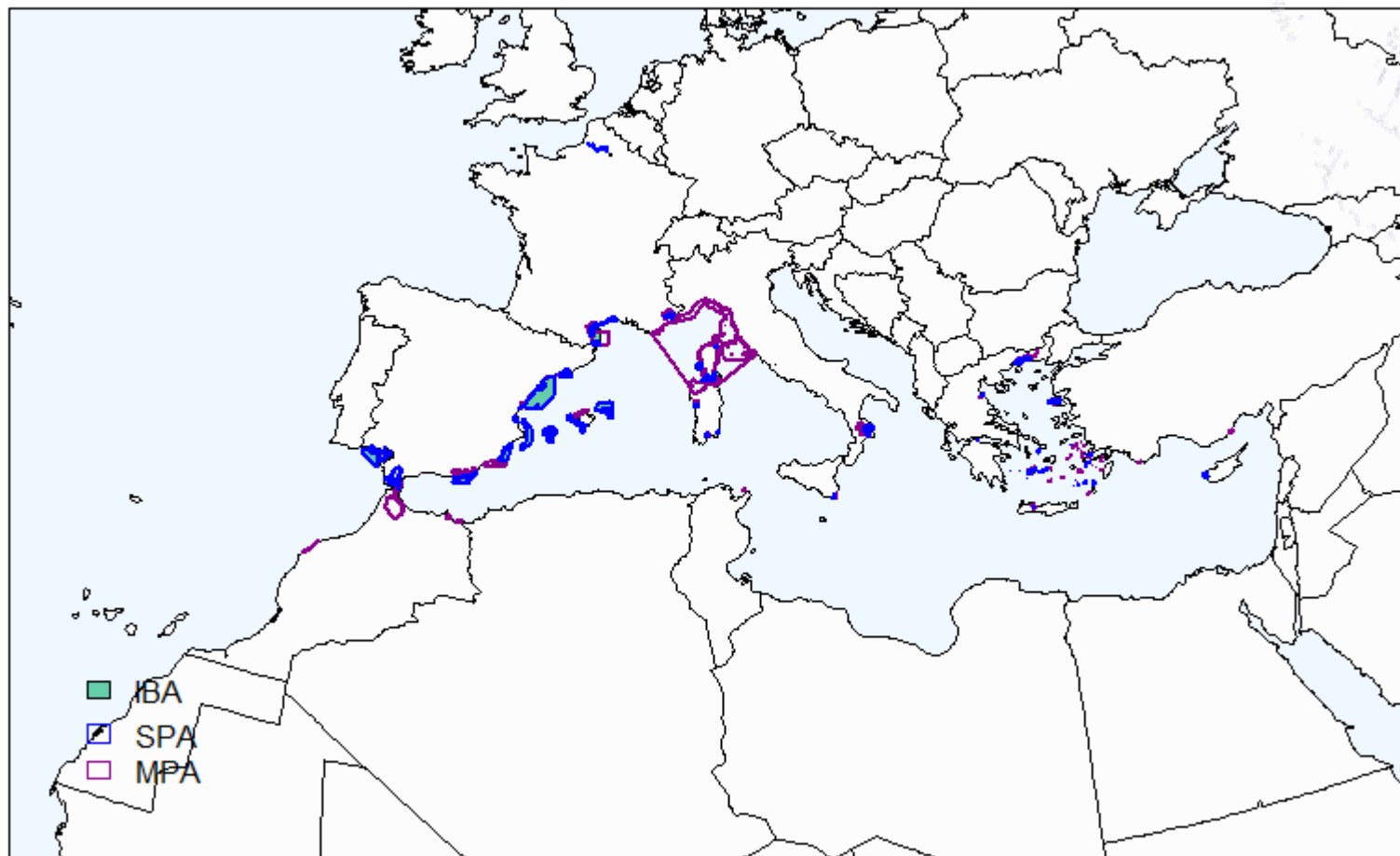
Audouin's Gull; colonies



SPA covering colony IBAs: 57/65

MPA covering colony IBAs: 58/65

Audouin's Gull; at-sea

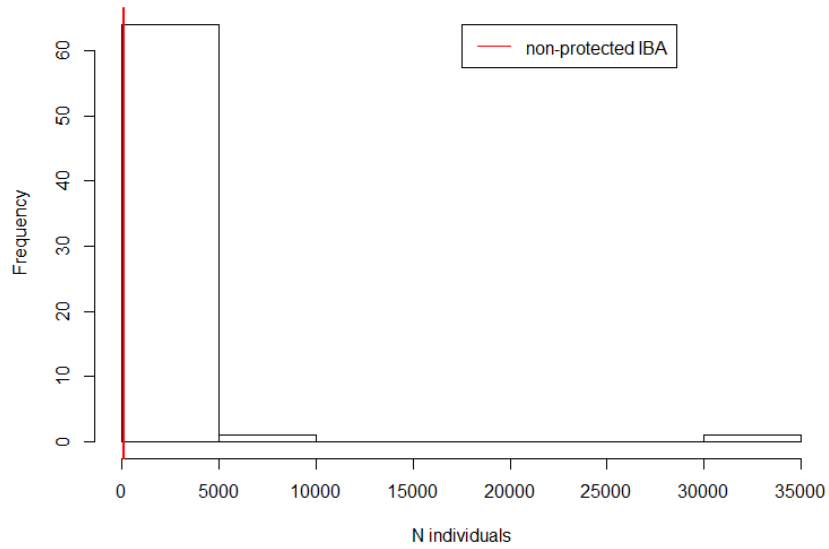


SPA covering IBAs outside colonies: 60/75

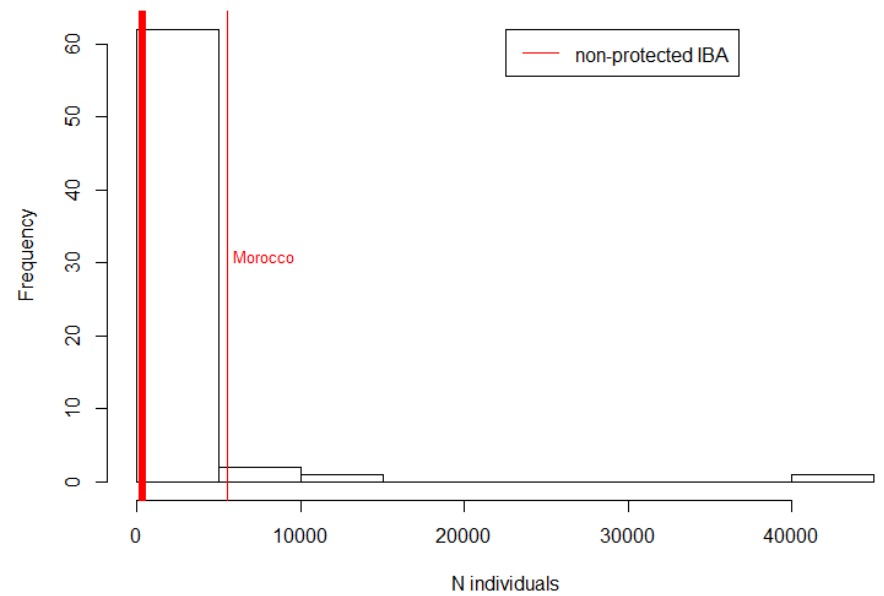
MPA covering IBAs outside colonies: 66/75



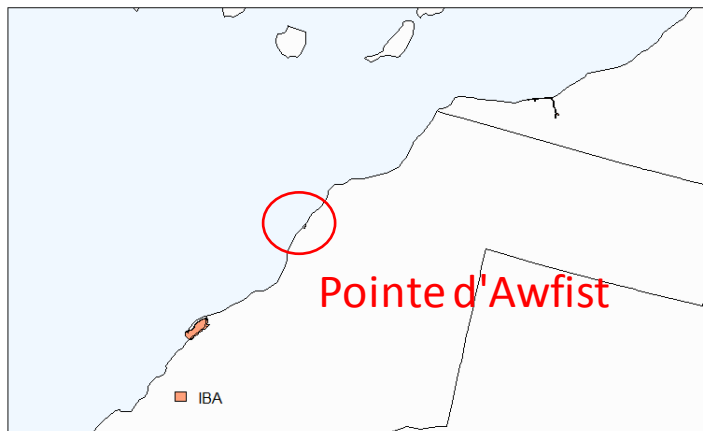
colony sites - abundance



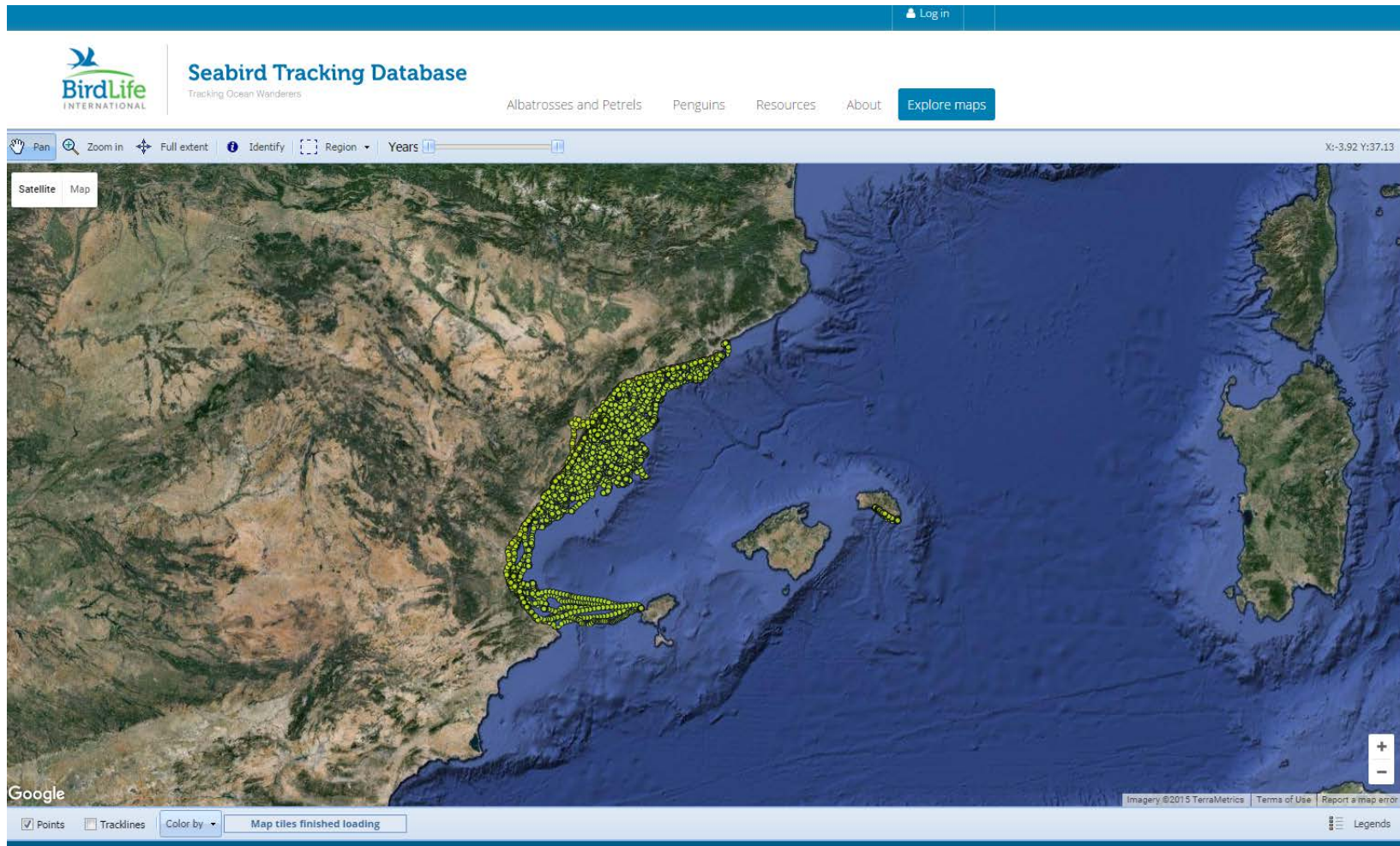
non-colony sites - abundance



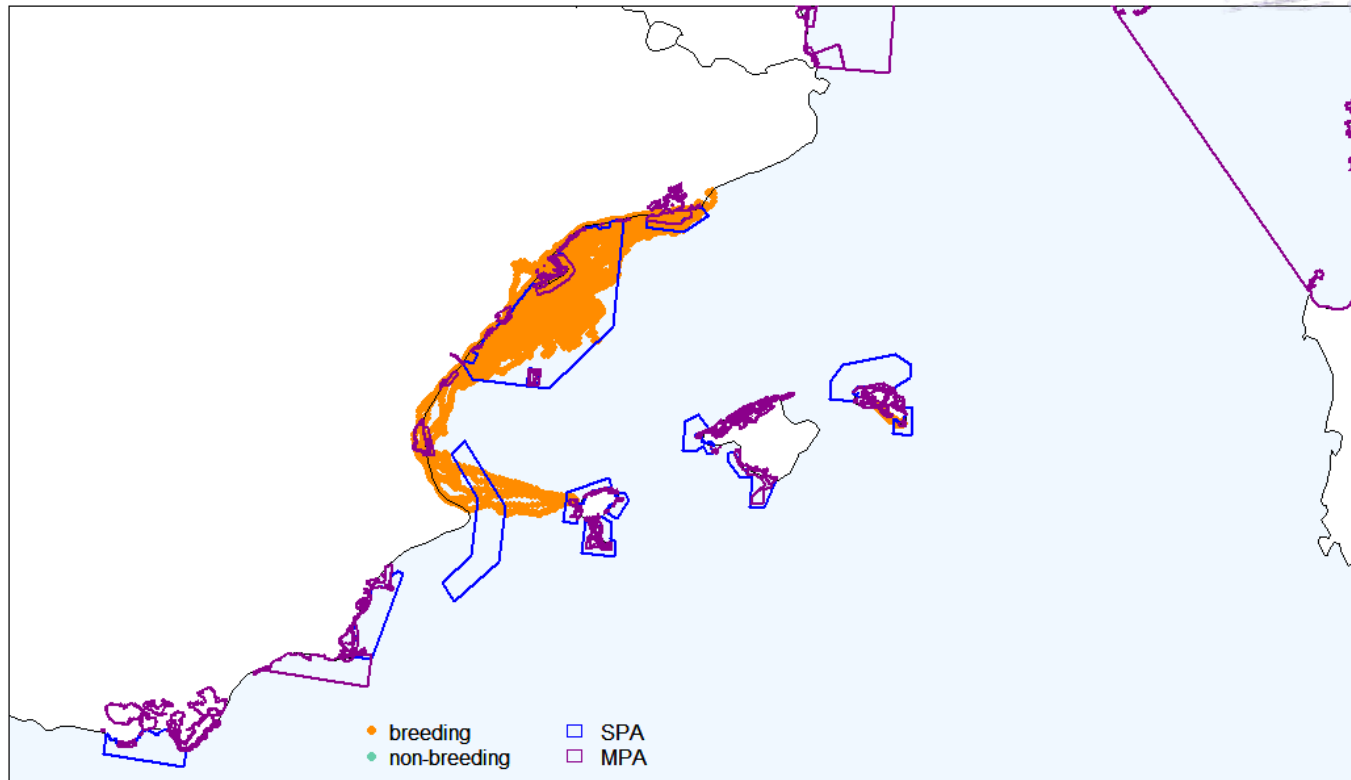
Audouin's Gull; unprotected IBA



Tracking data – data available in the Seabird Tracking Database <http://seabirdtracking.org/>



Audouin's Gull



Colonies with tracking data: **3** - Ebro Delta, Ibiza/Sa Conillera, Menorca/Illa de l'Aire

5 different **datasets** (2010 – 2012)

1263 tracks! (all during breeding)

Data contributors: Pep **Arcos**

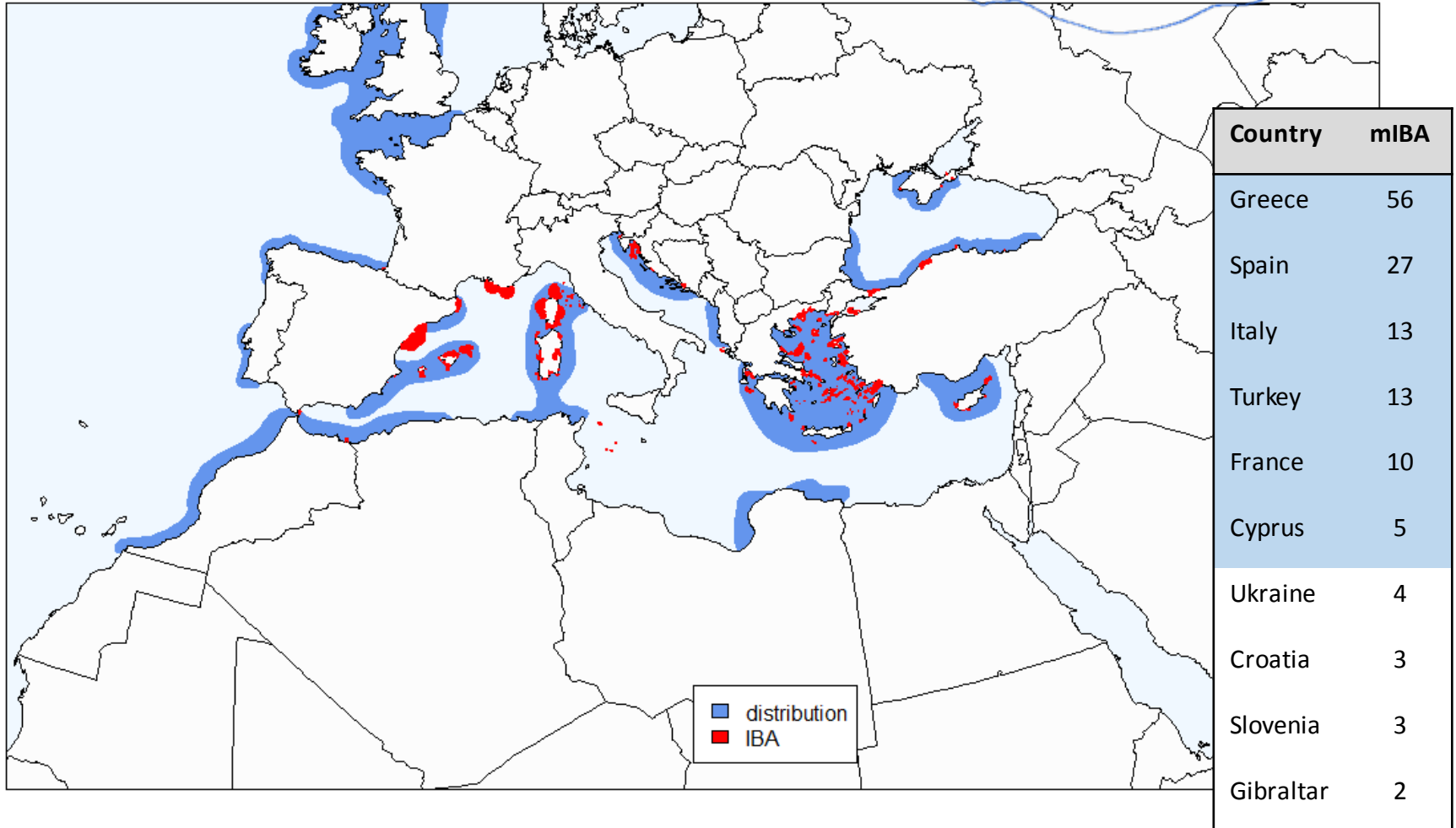
European shag

Phalacrocorax aristotelis



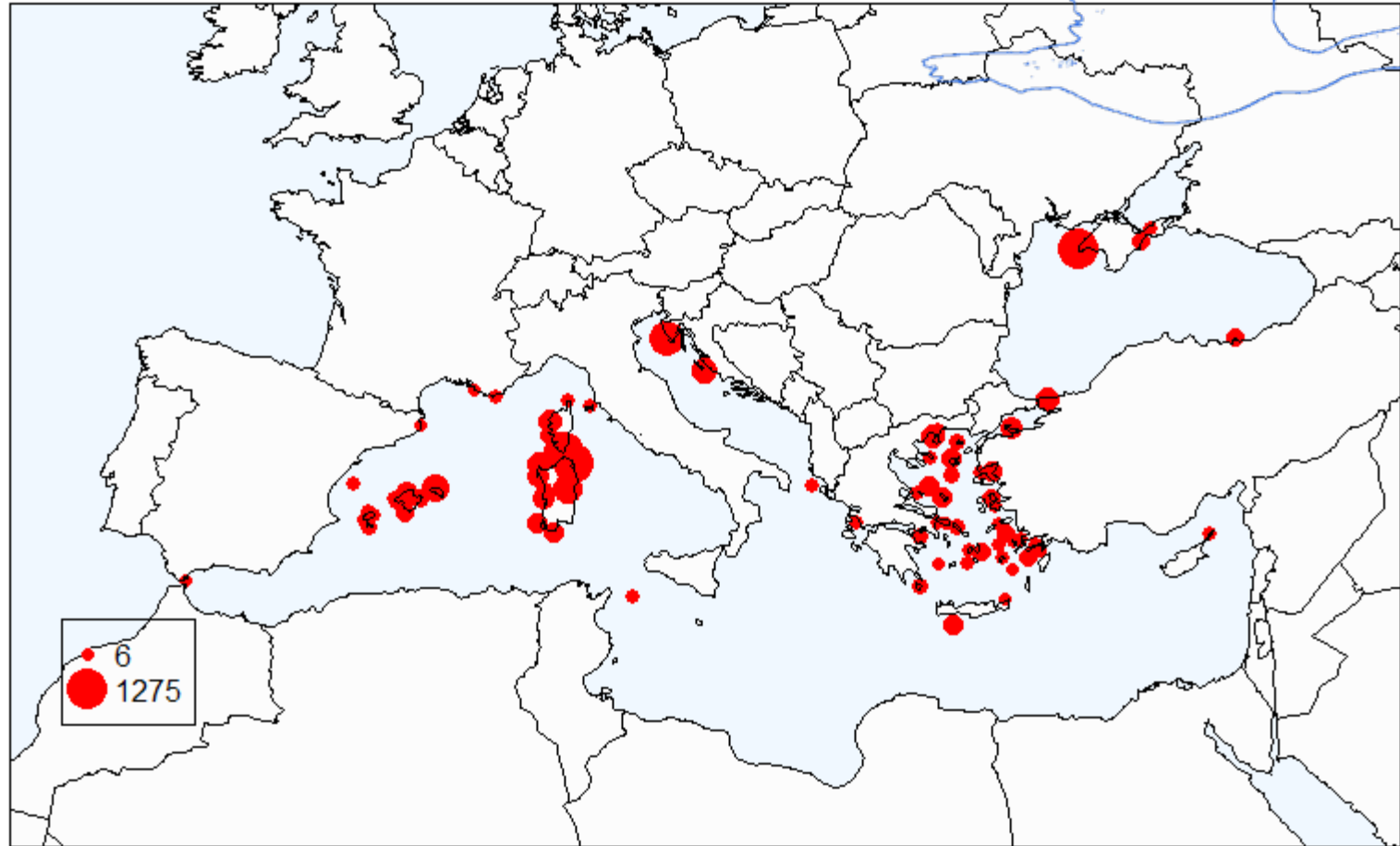
European shag

European Shag

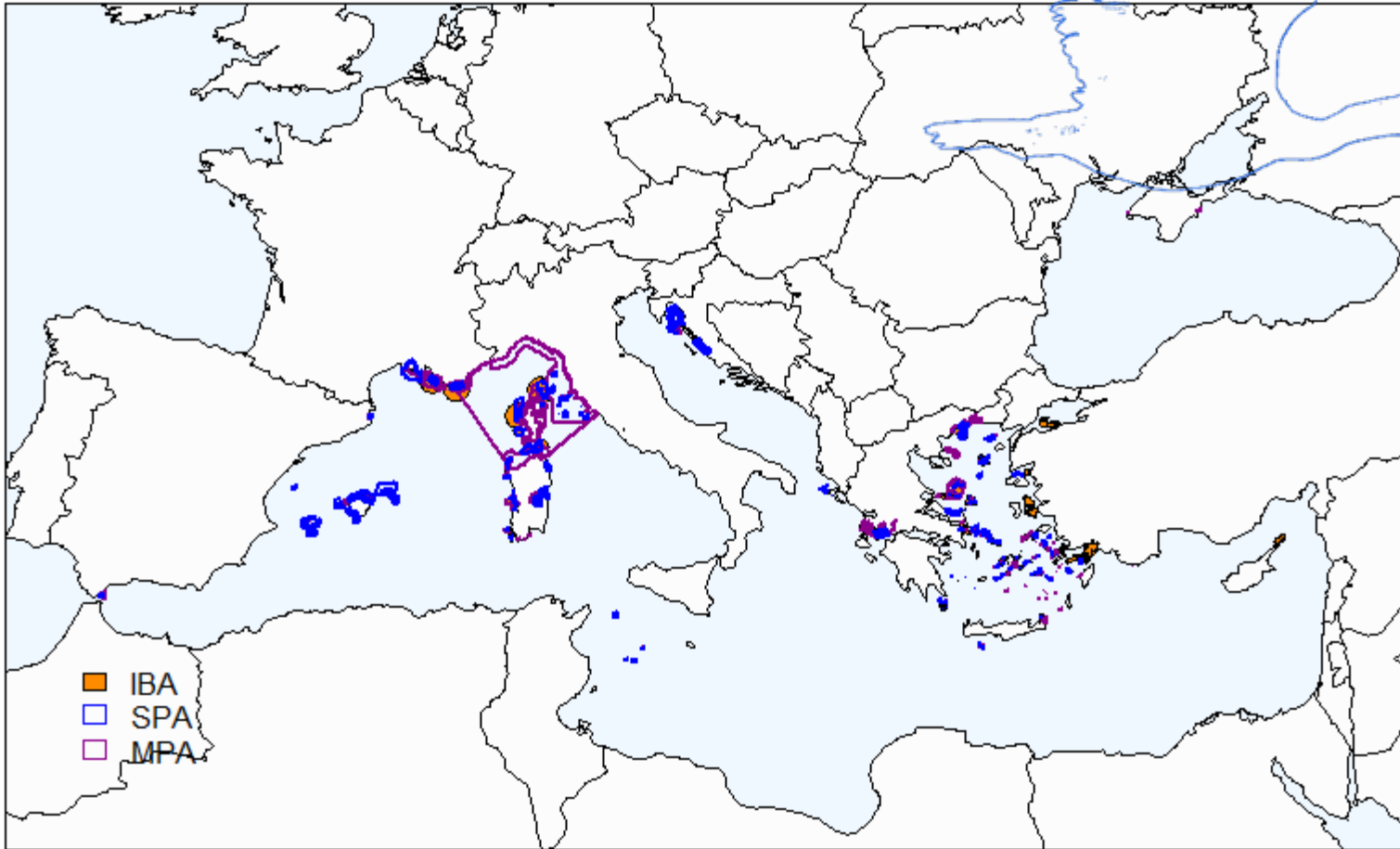


European shag: colony locations and sizes

European Shag

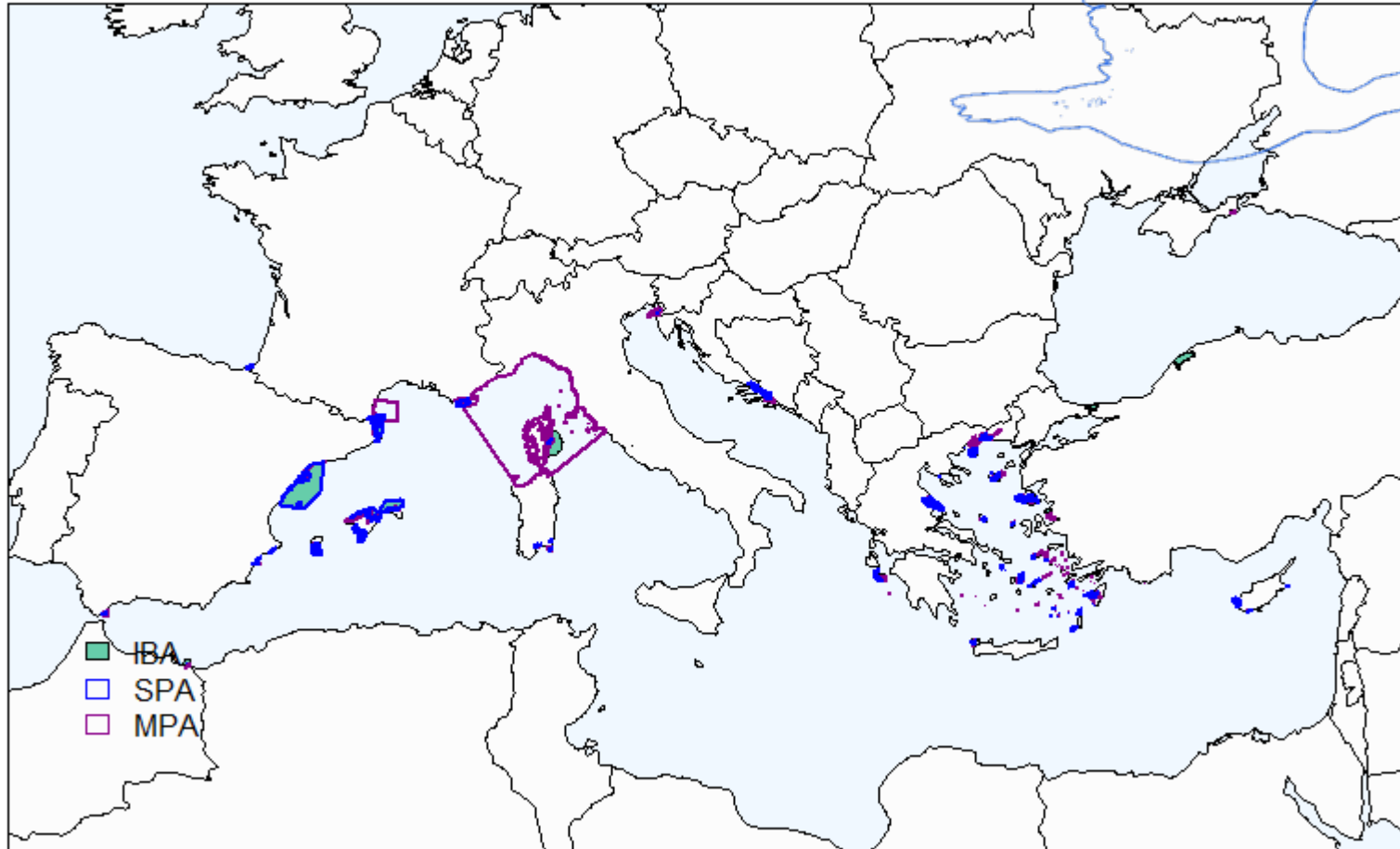


European Shag; colonies



SPA covering colony IBAs: 67/83
MPA covering colony IBAs: 73/83

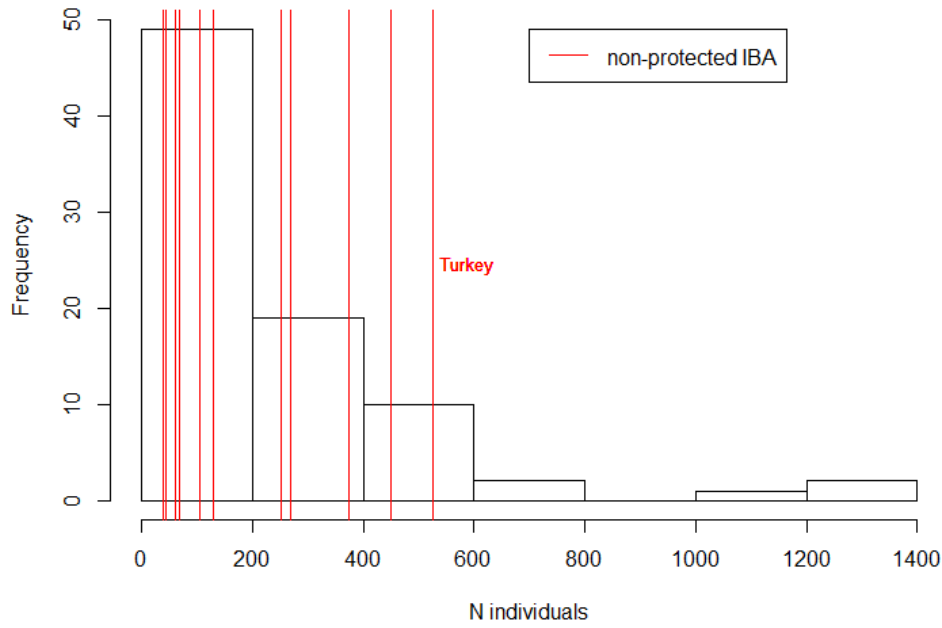
European Shag; at-sea



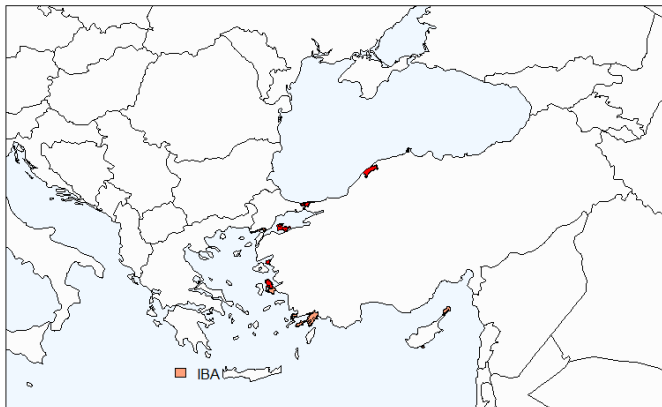
SPA covering IBAs outside colonies: 46/53

MPA covering IBAs outside colonies: 47/53

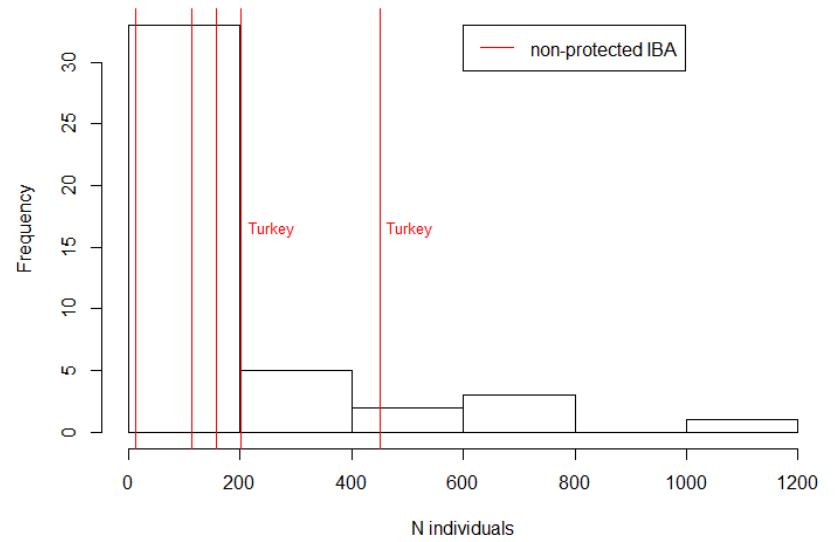
colony sites - abundance



European Shag; unprotected IBA



non-colony sites - abundance



The screenshot shows the Seabird Tracking Database interface. The search results on the left list various species, with 'Phalacrocorax aristotelis' selected. The map on the right displays tracking data points (orange dots) on the island of Mallorca. The interface includes a search bar, filters for datasets, tracks, contributors, species, and plants, and a detailed list of species with checkboxes and status indicators.

Search results:

- Datasets: 1 [View list](#)
- Tracks: 1 [View list](#)
- Contributors: 1 [View list](#)
- Species: 1
- Plants: 447 [Reset Download](#)

Species:

Search by name:

Species name	Common name	Status
<input type="checkbox"/> <i>Phalacrocorax aristotelis</i>		
Charadriiformes (7) - Select all		
Phaethoniformes (3)		
Procellariiformes (55) - Select all		
Sphenisciformes (9) - Select all		
<input type="checkbox"/> <i>Aptenodytes patula</i>	King Penguin	LC
<input type="checkbox"/> <i>Eudyptes chrysolophus</i>	Southern Rockhopper P...	VU
<input type="checkbox"/> <i>Eudyptes chrysolophus</i>	Mackaroni Penguin	VU
<input type="checkbox"/> <i>Pygoscelis adeliae</i>	Adelle Penguin	NT
<input type="checkbox"/> <i>Pygoscelis antarctica</i>	Chinstrap Penguin	LC
<input type="checkbox"/> <i>Pygoscelis papua</i>	Gentoo Penguin	NT
<input type="checkbox"/> <i>Spheniscus demigressus</i>	African Penguin	EN
<input type="checkbox"/> <i>Spheniscus humboldti</i>	Humboldt Penguin	VU
<input type="checkbox"/> <i>Spheniscus magellanicus</i>	Magellanic Penguin	NT

Country / Site / Colony of deployment: 1 [View list](#)

Age / Status: 1 [View list](#)

Device: 1 [View list](#)

GPS: 1 [View list](#)

Exclusive Economic Zones (EEZ): 1 [View list](#)

Colonies with tracking data: 1 - Illot de Formen/Mallorcator
 1 dataset (2010)
 1 track

Data contributors: Pep Arcos

Unprotected mIBAs with important numbers:

Yelkouan Shearwater:

Turkey- outside colony:

Bosphorus

European Shag:

Turkey- colonies:

Ayvalık

Marmara Islands

Amasra Coast

outside colonies:

Bosphorus

- Good coverage of MPA in Europe for existing mlBA
- Main **gaps**:
 - Baseline data for north African coast (colonies?)
 - Non-breeding / at sea sites

Thank you!

Questions?

