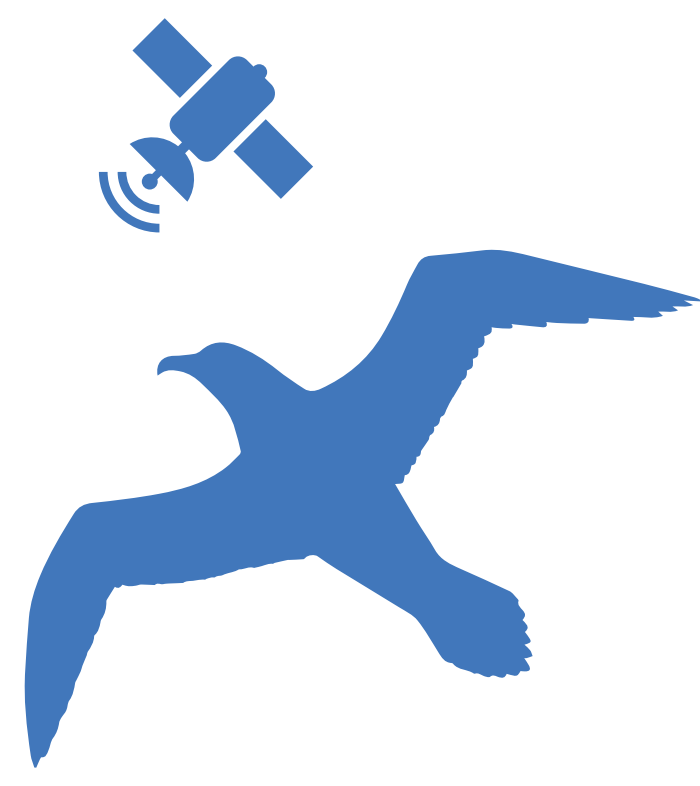




**OFB**  
OFFICE FRANÇAIS  
DE LA BIODIVERSITÉ

# MIGRALION

Monitoring bird migration in the Gulf of Lion by **telemetry**.



MigraLion's mission is to acquire knowledge about the flying fauna in the Gulf of Lion, in the Mediterranean, while floating wind turbine projects are emerging. Among the means implemented: telemetric monitoring which allows to track accurately individual birds' movements and migration paths.

## WHAT IS TELEMETRY?

Telemetry consists in equipping birds with miniaturised devices. 4 g connected GPS can track their movements in real time with a very high accuracy. The smallest birds are geo-localised with photometers that record the trajectories over a whole year with two locations per day and an accuracy of about 80 km. Combined with altimeters, these devices also give flight heights.

**+1000** EQUIPPED BIRDS

**35** FOLLOWED SPECIES

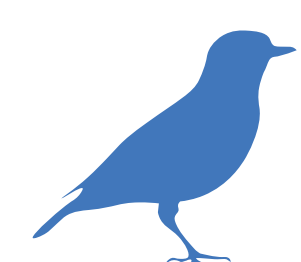
**5** SEABIRDS SPECIES

**30** TERRESTRIAL MIGRATORY SPECIES

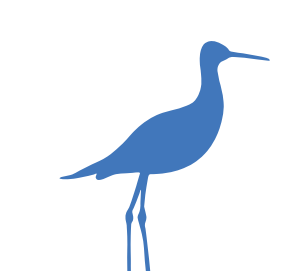
**18** THREATENED SPECIES

## BIRDS STUDIED IN ALL THEIR DIVERSITY

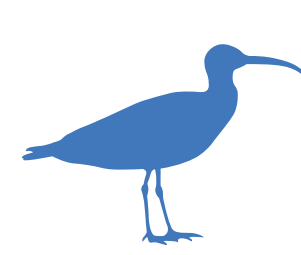
20 individuals per species equipped with a telemetric tag adapted to their size.



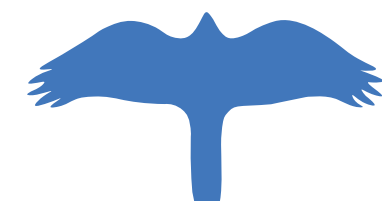
Passerines



Waders



Shorebirds



Birds of prey



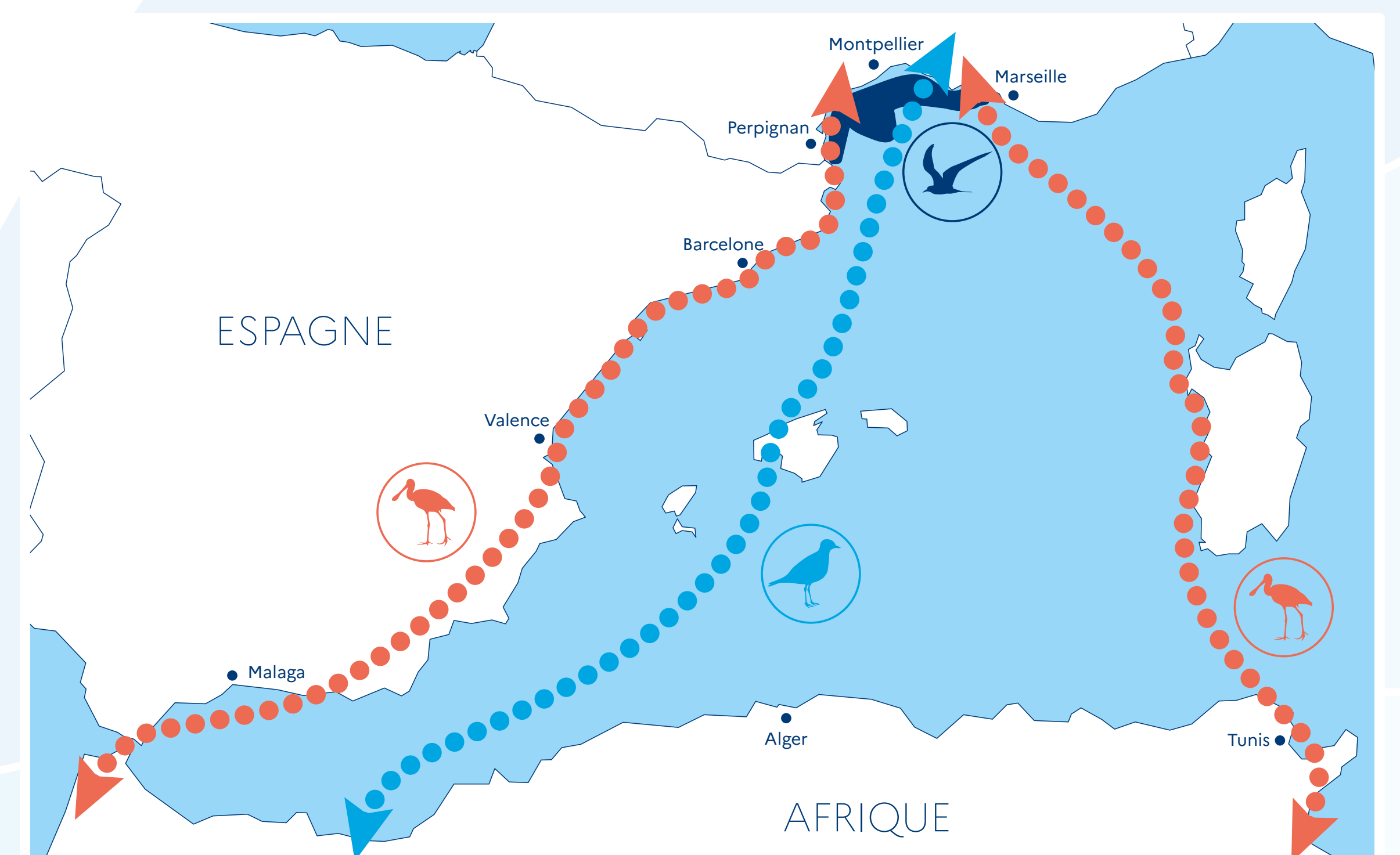
Seabirds



Photo credits : S. Tillo/Tour du Valat

European bee-eater equipped with a 1.4 g geo-locator.

Example of individual trajectories for different species



Spoonbill    Sandwich Tern    Eurasian Dotterel

## EXPECTED RESULTS

These telemetry and biologging data will provide new information on the spatial distribution of sedentary and wintering marine species as well as on the behaviour, routes and migratory strategies of terrestrial migratory species, not only at the scale of the Gulf but also beyond to West Africa where some of the birds spend the winter.

This information is crucial to well consider the development of floating wind turbines in the Mediterranean.

Learn more about the MigraLion programme



Programme co-financed by the Ministry of Ecological Transition, SUD Provence-Alpes-Côtes d'Azur and Occitanie regions

