



ACTION D.3 – SURVIVAL RATES AND DISPERSAL PATTERN OF RELEASED VULTURES 2018

Vulture heat maps

Methods

The heat maps were realised with the software Quantum Gis, version 2.18.17. Data were gathered by satellite tracking of 7 restocked vultures and of 4 rehabilitated birds from Sardinia, as summarized in table 1. Restocking was carried on in collaboration with the Vulture Conservation Foundation (www.4vultures.org). All birds from Sardinia were released from boxes in the Bosa area. All restocked birds were released in Porto Conte after an acclimatization period of 15 months.

Name of the vulture	Sex	Age	Source	Data from/to
<u>Artis 1</u>	Male	Born in 2017	Restocked, born in captivity in the ARTIS Zoo (Amsterdam)	April– December 2018
<u>Artis 2</u>	Female	Born in 2017	Restocked, born in captivity in the ARTIS Zoo (Amsterdam)	April– December 2018
<u>Barca</u>	Female	Born in 2015	Restocked, rehabilitated in AMUS* rescue centre (Spain)	April– December 2018
<u>Bonassai</u>	Female	Born in 2017	From <u>Sardinia</u> , rehabilitated in <u>Bonassai</u> rescue centre (FoReSTAS)	September 2017– July 2018
<u>Bulga</u>	Female	Born in 2015	Restocked, rehabilitated in AMUS* rescue centre (Spain)	April– December 2018
<u>Cristallo</u>	Male	Born in 2015	Restocked, rehabilitated in AMUS* rescue centre (Spain)	April– December 2018
<u>Fenugiu</u>	Male	Born in 2015	Restocked, rehabilitated in AMUS* rescue centre (Spain)	April– December 2018
<u>Jana</u>	Female	Born in 2016	From <u>Sardinia</u> , rehabilitated in <u>Bonassai</u> rescue centre (FoReSTAS)	March– December 2017
<u>Mina</u>	Female	Born in 2017	From <u>Sardinia</u> , rehabilitated in <u>Bonassai</u> rescue centre (FoReSTAS)	November 2017– December 2018
<u>Tempestosa</u>	Female	Born in 2016	From <u>Sardinia</u> , rehabilitated in <u>Bonassai</u> rescue centre (FoReSTAS)	March– September 2017
<u>Timidone</u>	Male	Born in 2015	Restocked, rehabilitated in AMUS* rescue centre (Spain)	April– December 2018

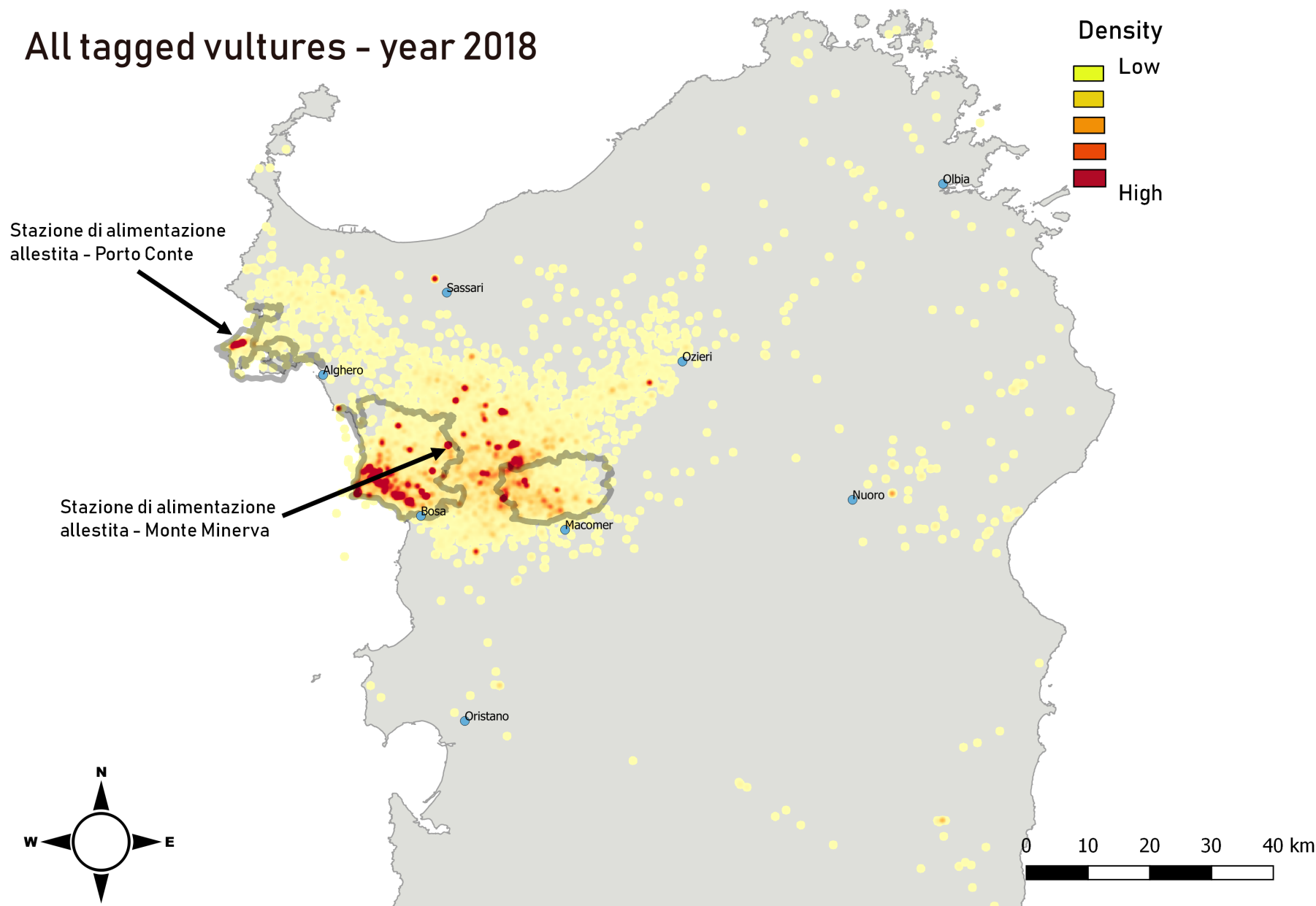
*<http://www.amus.org.es/>

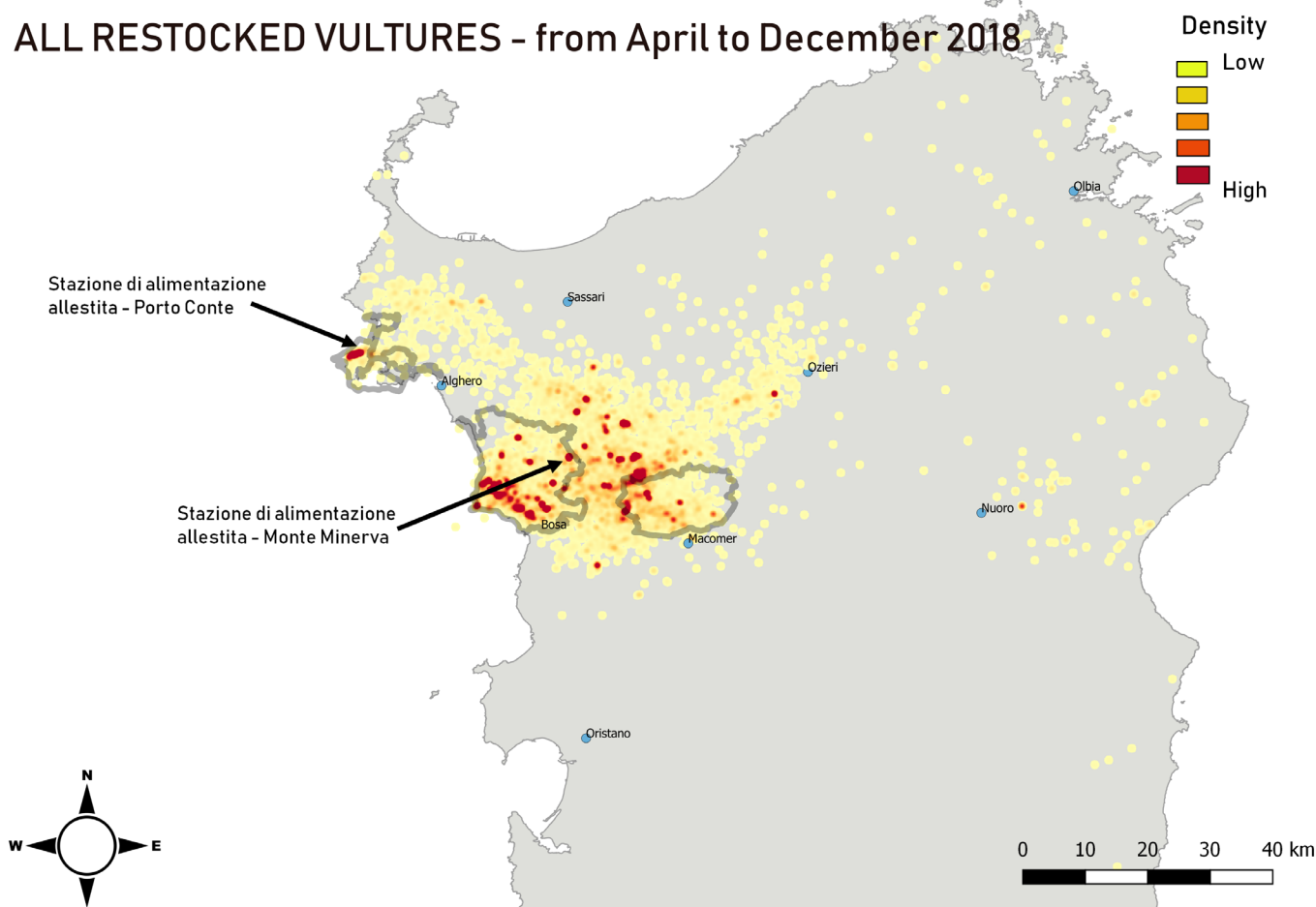
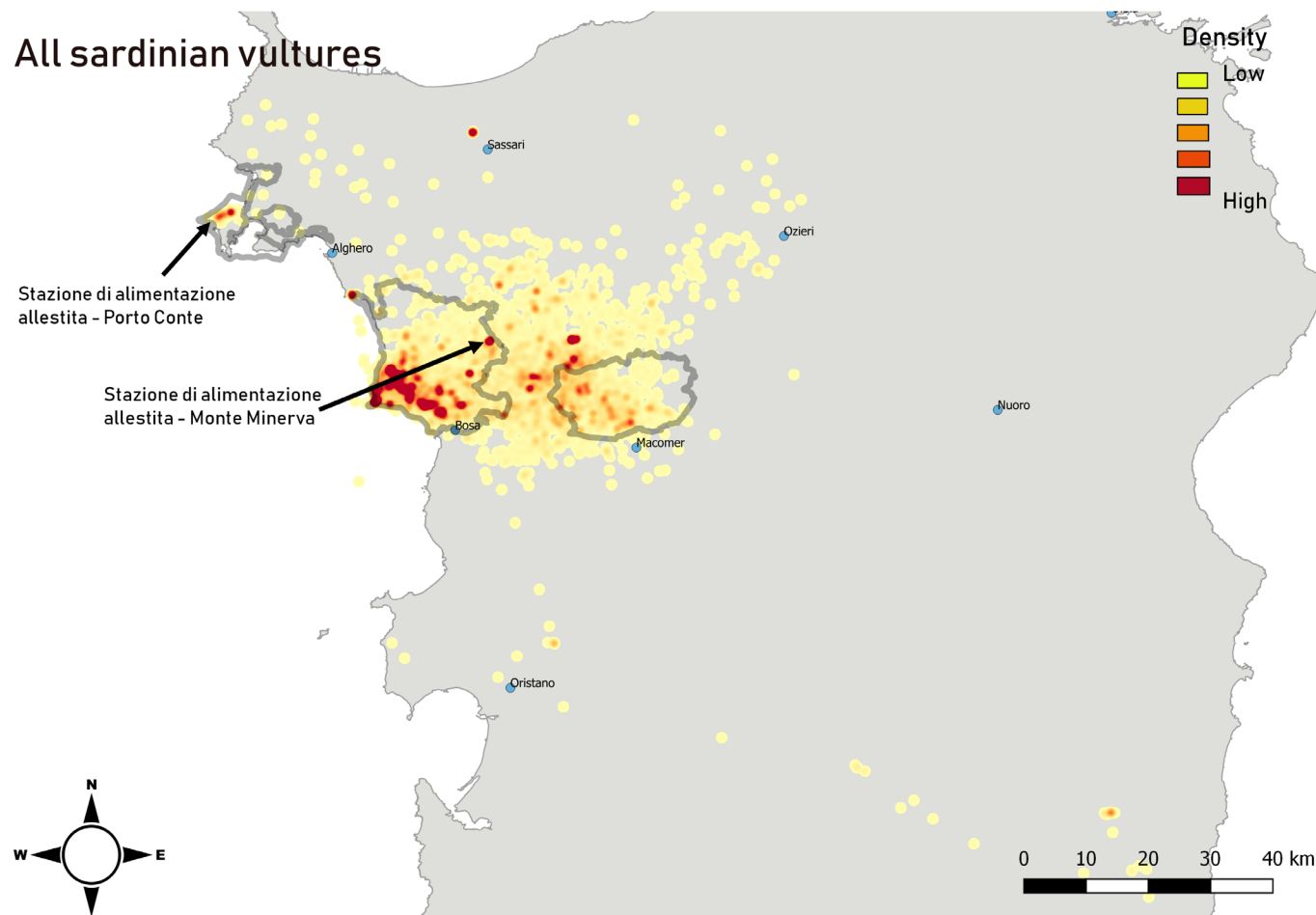


Highlights

- The Porto Conte regional park is a hotspot for all the restocked vultures;
- Hotspots for the vultures from the Sardinian population are concentrated in the Bosa area;
- Restocked vultures, irrespectively of age and sex, frequent the Porto Conte regional park, the Bosa territory, the Altopiano di Campeda, and the corridor between these SPAs;
- Different hotspots are located outside the SPAs;
- Centralized feeding stations are a hotspot for most of the vultures;
- All vulture foraging movement are concentrated in north-west of the island.

All tagged vultures - year 2018

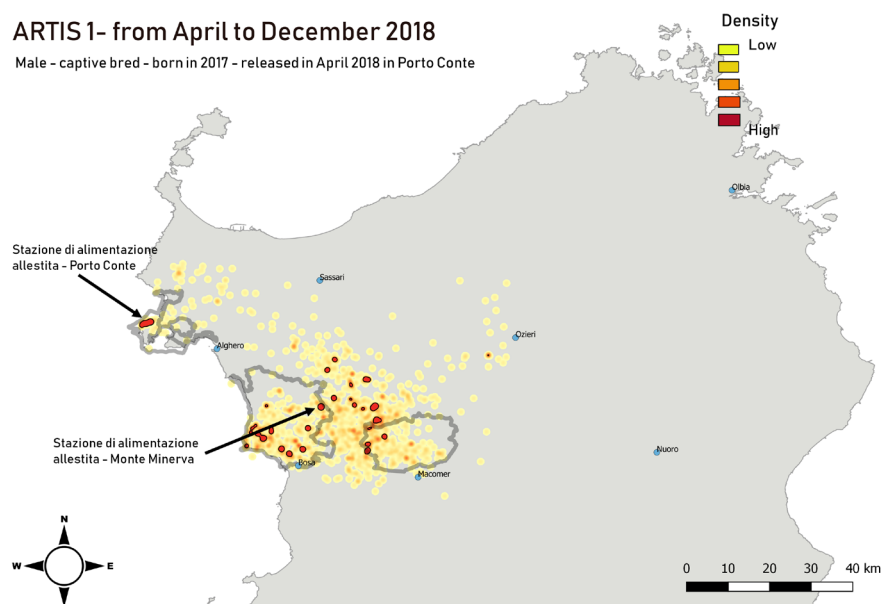






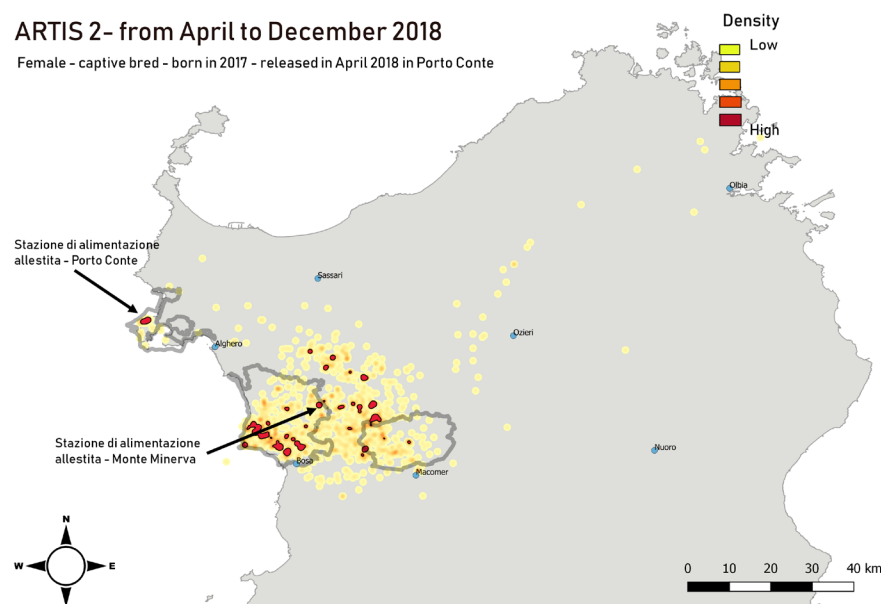
ARTIS 1- from April to December 2018

Male - captive bred - born in 2017 - released in April 2018 in Porto Conte



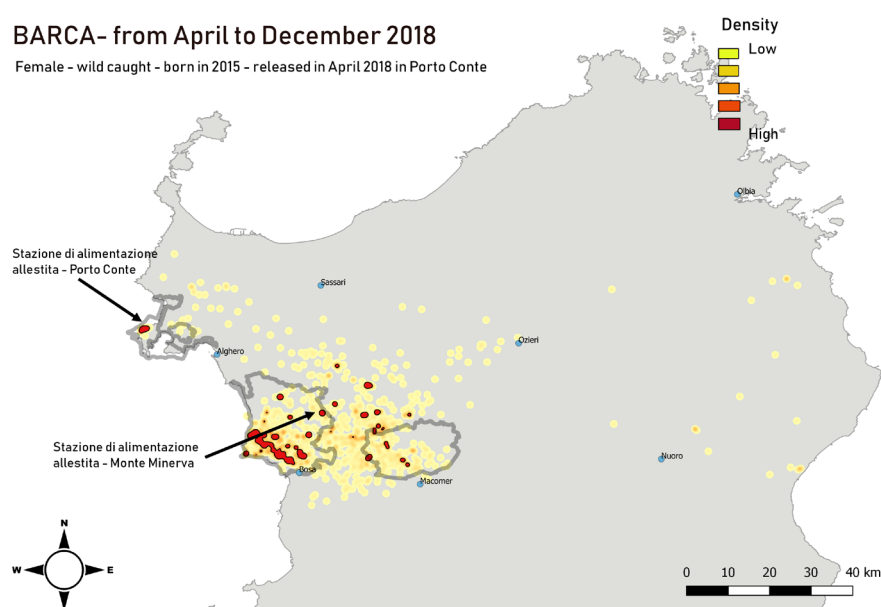
ARTIS 2- from April to December 2018

Female - captive bred - born in 2017 - released in April 2018 in Porto Conte



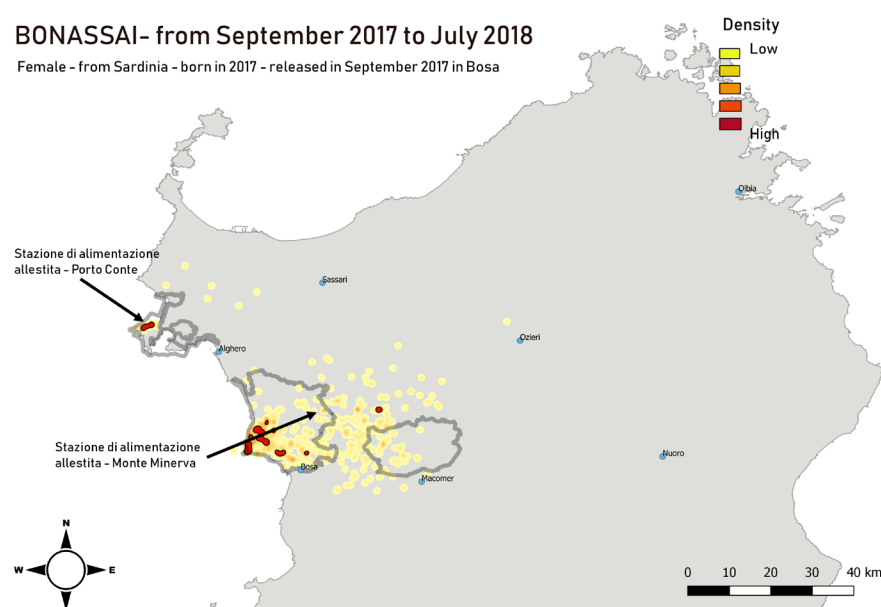
BARCA- from April to December 2018

Female - wild caught - born in 2015 - released in April 2018 in Porto Conte



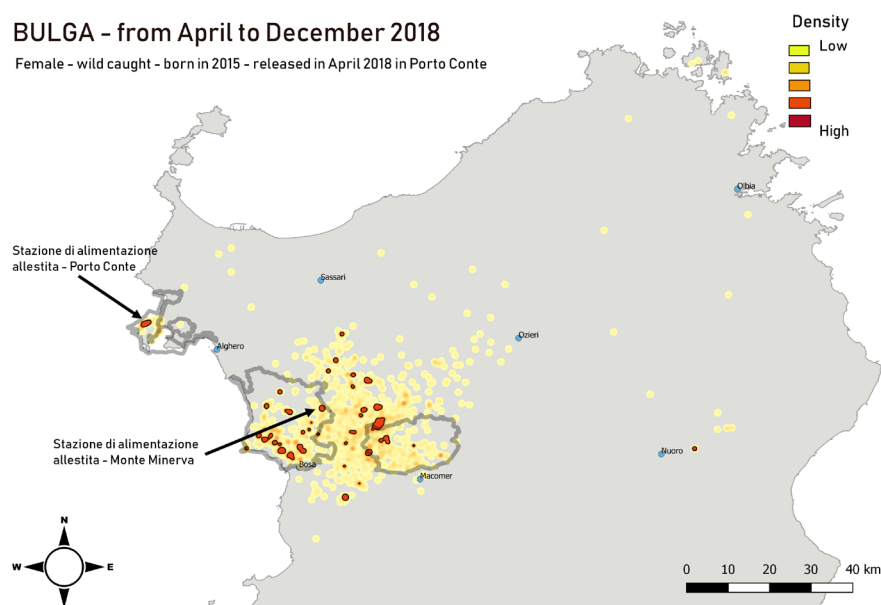
BONASSAI- from September 2017 to July 2018

Female - from Sardinia - born in 2017 - released in September 2017 in Bosa



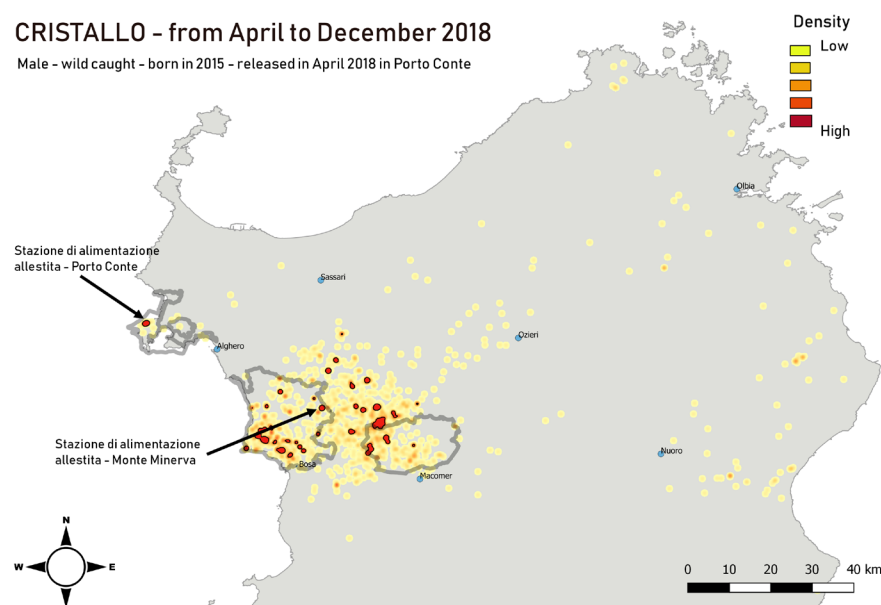
BULGA - from April to December 2018

Female - wild caught - born in 2015 - released in April 2018 in Porto Conte



CRISTALLO - from April to December 2018

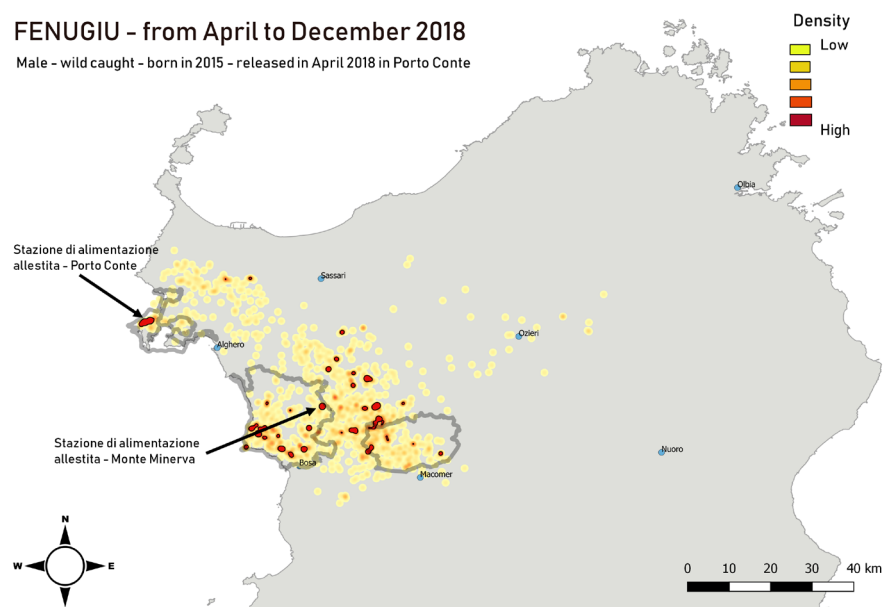
Male - wild caught - born in 2015 - released in April 2018 in Porto Conte





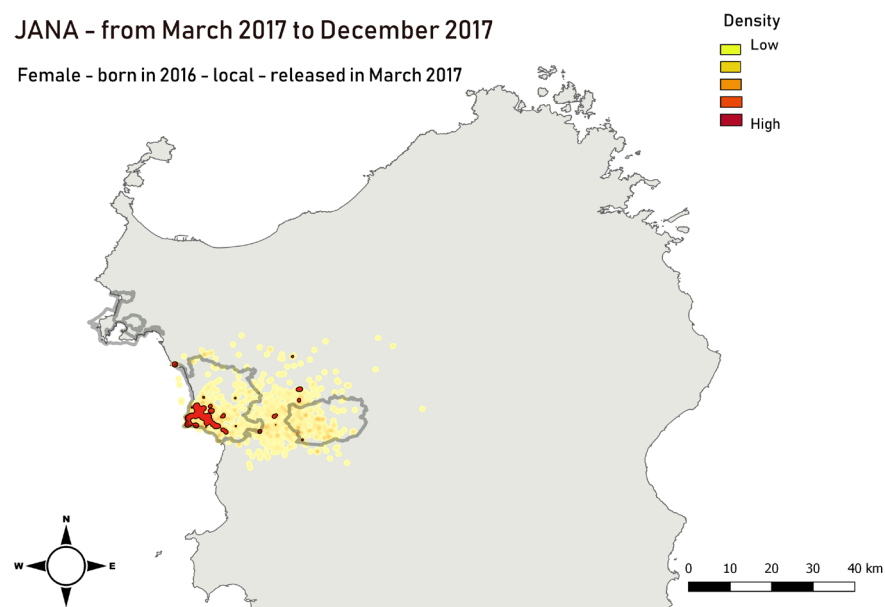
FENUGIU - from April to December 2018

Male - wild caught - born in 2015 - released in April 2018 in Porto Conte



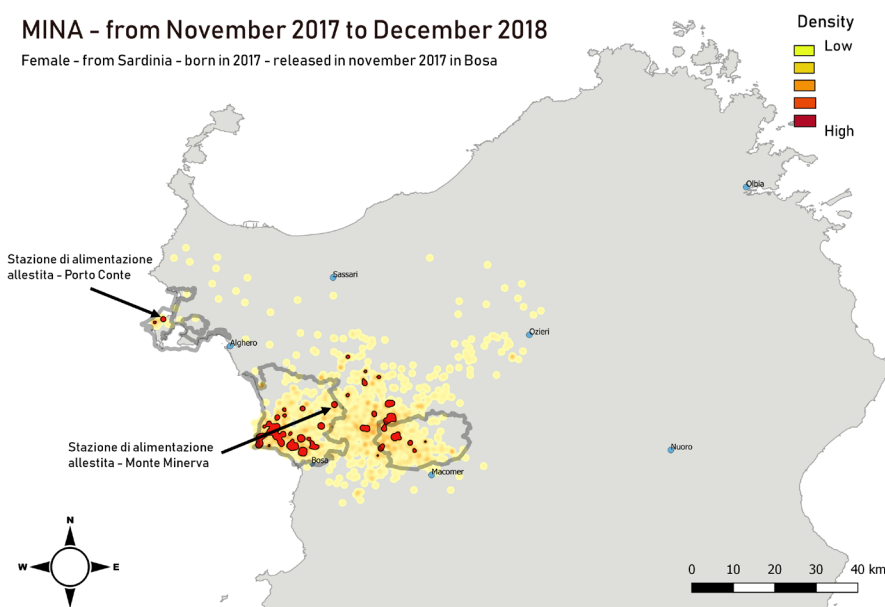
JANA - from March 2017 to December 2017

Female - born in 2016 - local - released in March 2017



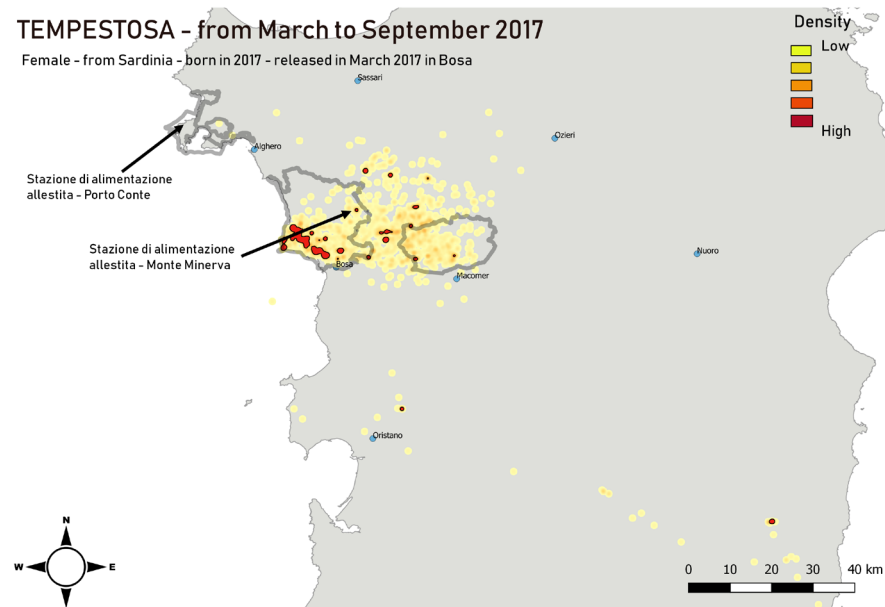
MINA - from November 2017 to December 2018

Female - from Sardinia - born in 2017 - released in november 2017 in Bosa



TEMPESTOSA - from March to September 2017

Female - from Sardinia - born in 2017 - released in March 2017 in Bosa



TIMIDONE - from April to December 2018

Male - wild caught - born in 2015 - released in April 2018 in Porto Conte

