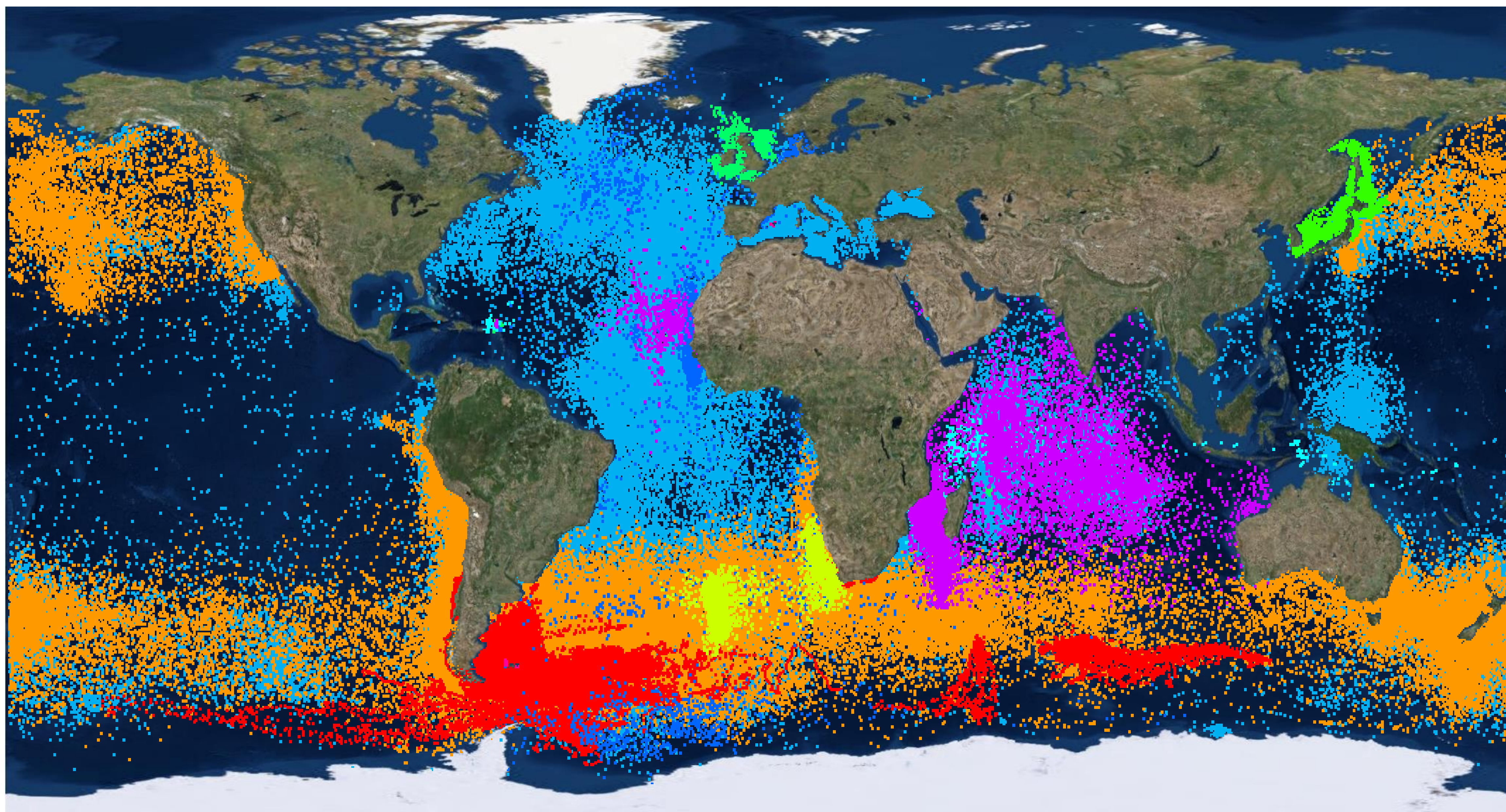


EO4wildlife platform aims to design and develop an **open service platform** and interoperable toolbox **to process geospatial environmental simulations using Sentinel Earth Observation data** that are intelligently combined with other observation sources. The platform will offer high level services that can be accessed by scientists to perform their respective research. Services will be based on dedicated scenarios that were built based on the interest of different scientific communities.

The Seabird Scenario (www.seabirdtracking.org)



The Global Seabird Tracking

database contains

21,300 tracks

made up of

10.5 million individual data points, for

113 seabird species,

contributed by

180 leading researchers

The general objective of this scenario is to be able **to predict distribution of species of seabirds using Earth**

Observation data in order to identify and monitor Important Bird and Biodiversity Areas (IBAs), and to develop effective

management frameworks. **EO4wildlife platform** will be **interoperable with the Seabird Tracking database.**

We will be able to:

- identify the key **environmental conditions** (using Earth Observation data) that drive the distribution of seabirds,
- monitor environmental conditions in **marine IBAs** in (almost) real time,
- predict changes in seabird **distribution and use of marine IBAs**,
- identify potential new sites for populations **without tracking data**,
- **Greatly improve management and decision making.**

Example:

Black-browed Albatross tracked during incubation overlapped with Sea Surface Temperature (SST) data.

