GoJelly-App

How citizen science can help predicting jellyfish blooms

increase
stable
decrease

increase stable decrease

Jellyfish Blooms are increasing!

- **They interact** with coastal industry, tourisms etc.
- **It is difficult to track the jellyfish** aggregates and blooms because they are fragile and dependent to the ocean currents

Prediction of Jellyfish Blooms

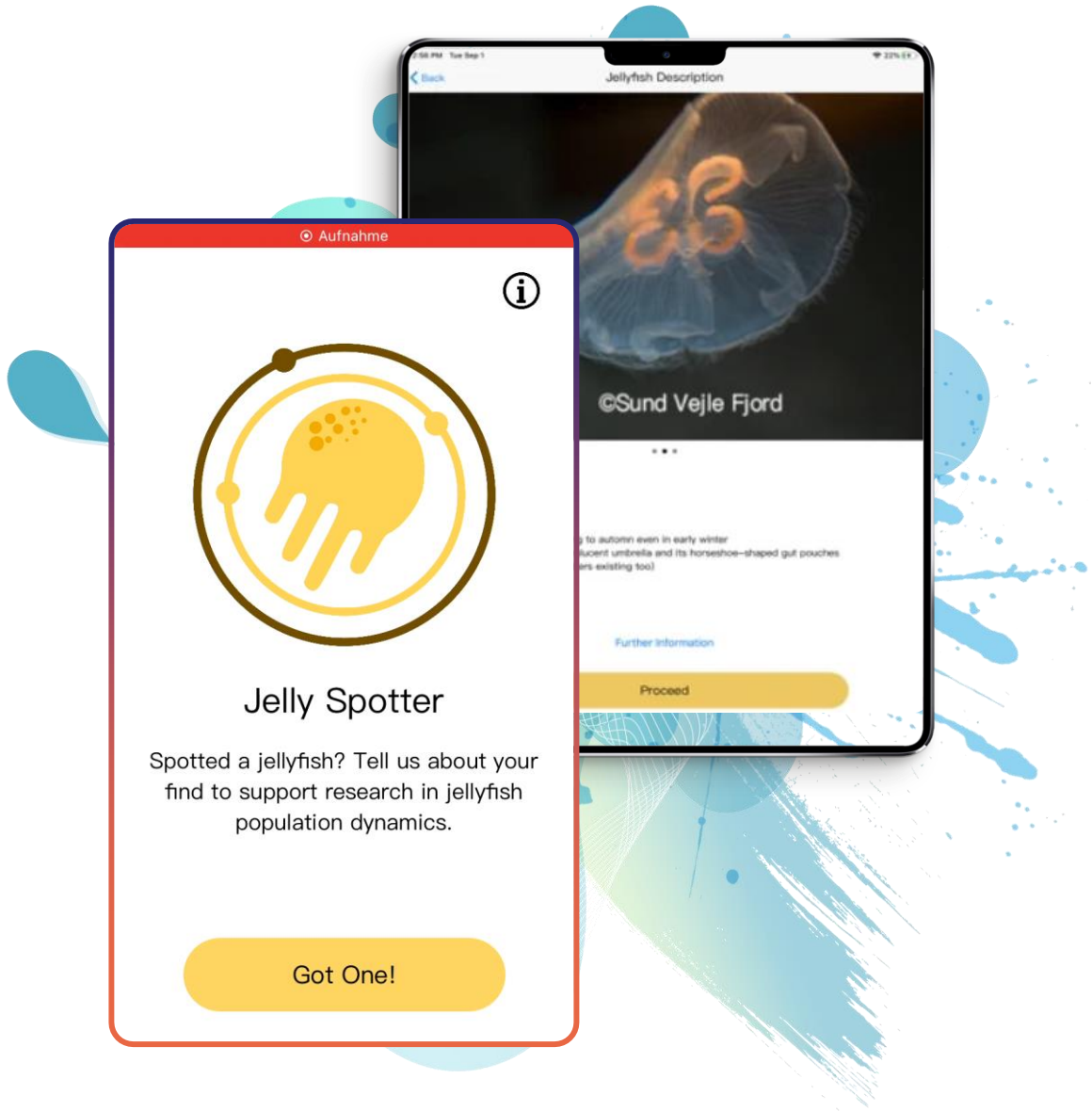
Scientific cruises were set to sample for juvenile and matured medusae

Genetic population samples were taken to understand where the source of medusae are

It was proofed if **drones can be applied to trace** Jellyfish Bloom

Jelly Spotter App

Developed to validate all the scientific and theoretical models

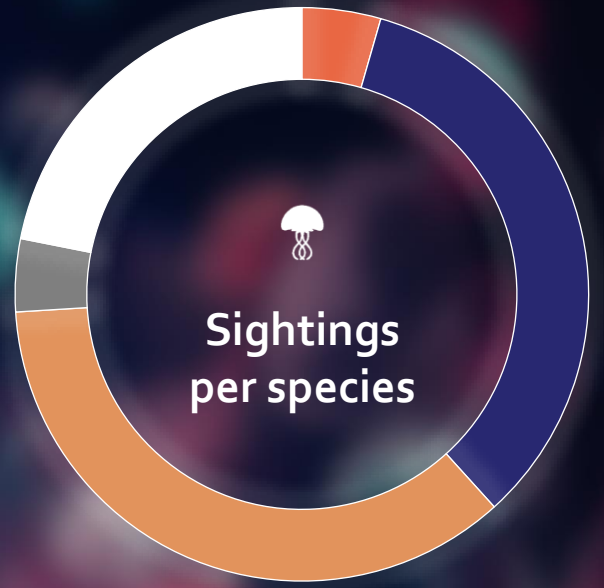


Jelly Spotter App

We have more than

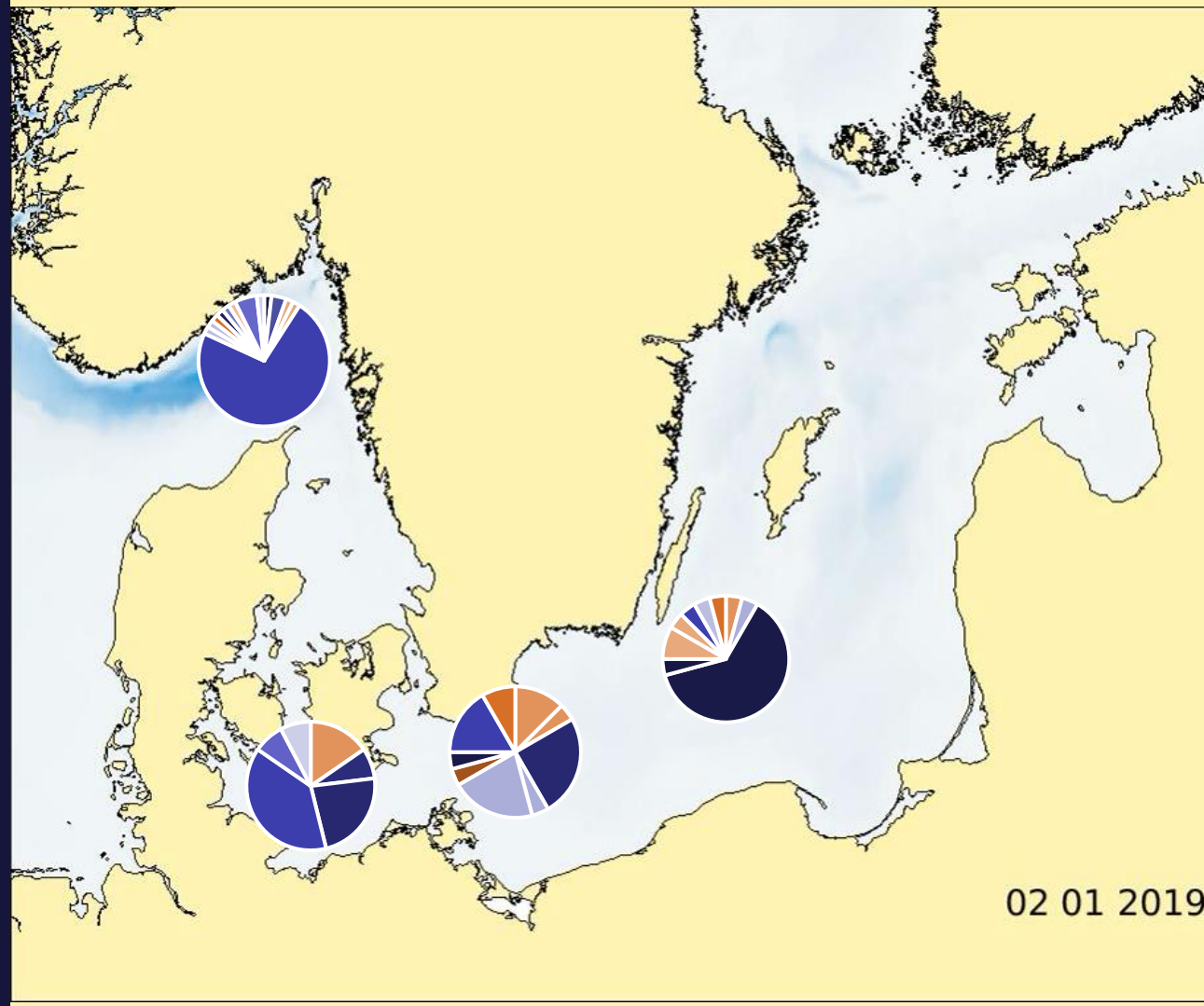
600 sightings!

Out of these sightings **385** were submitted with a photo



Linking Citizens with Science

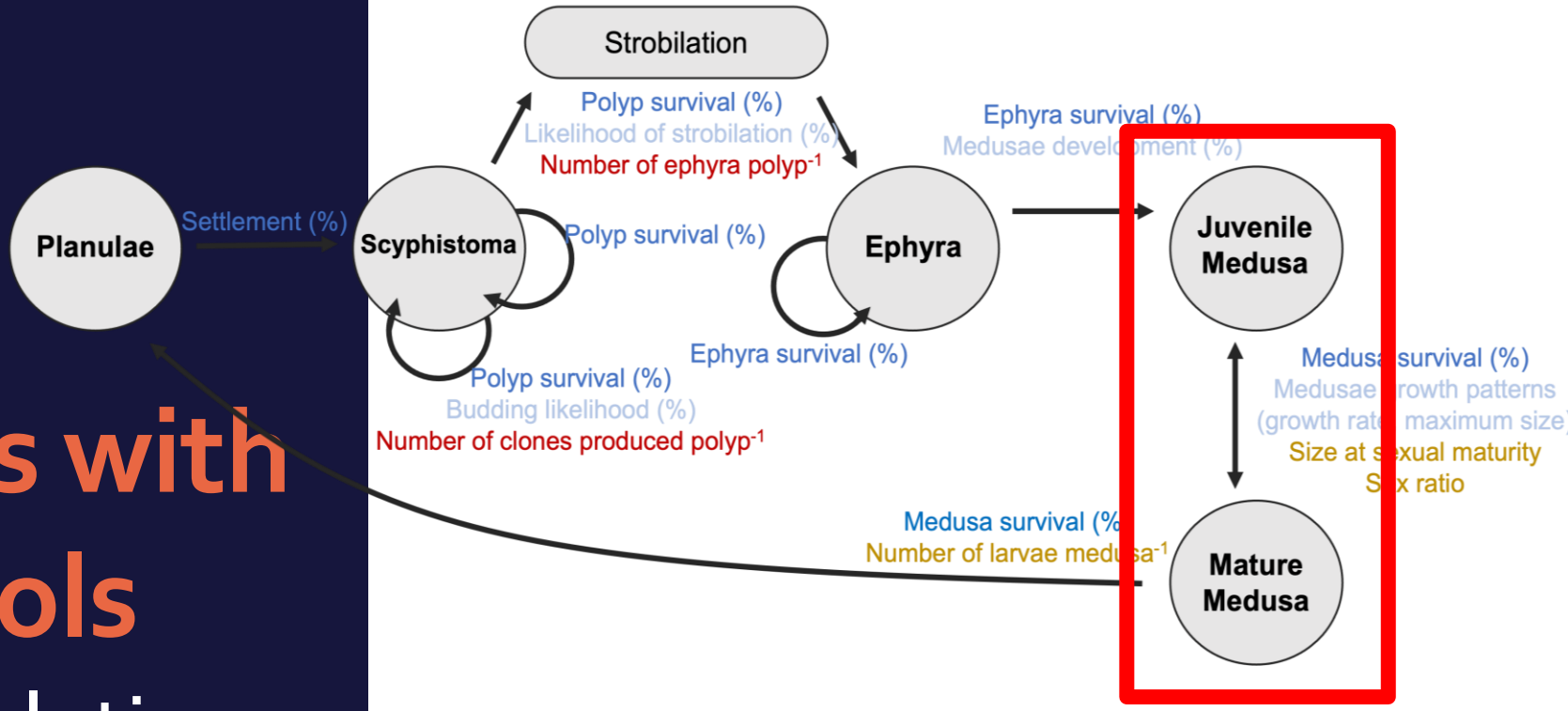
1) mapping genetic populations of jellyfish around the Baltic Sea



Cant, Jones, Javidpour, in prep.

Linking Citizens with Scientific tools

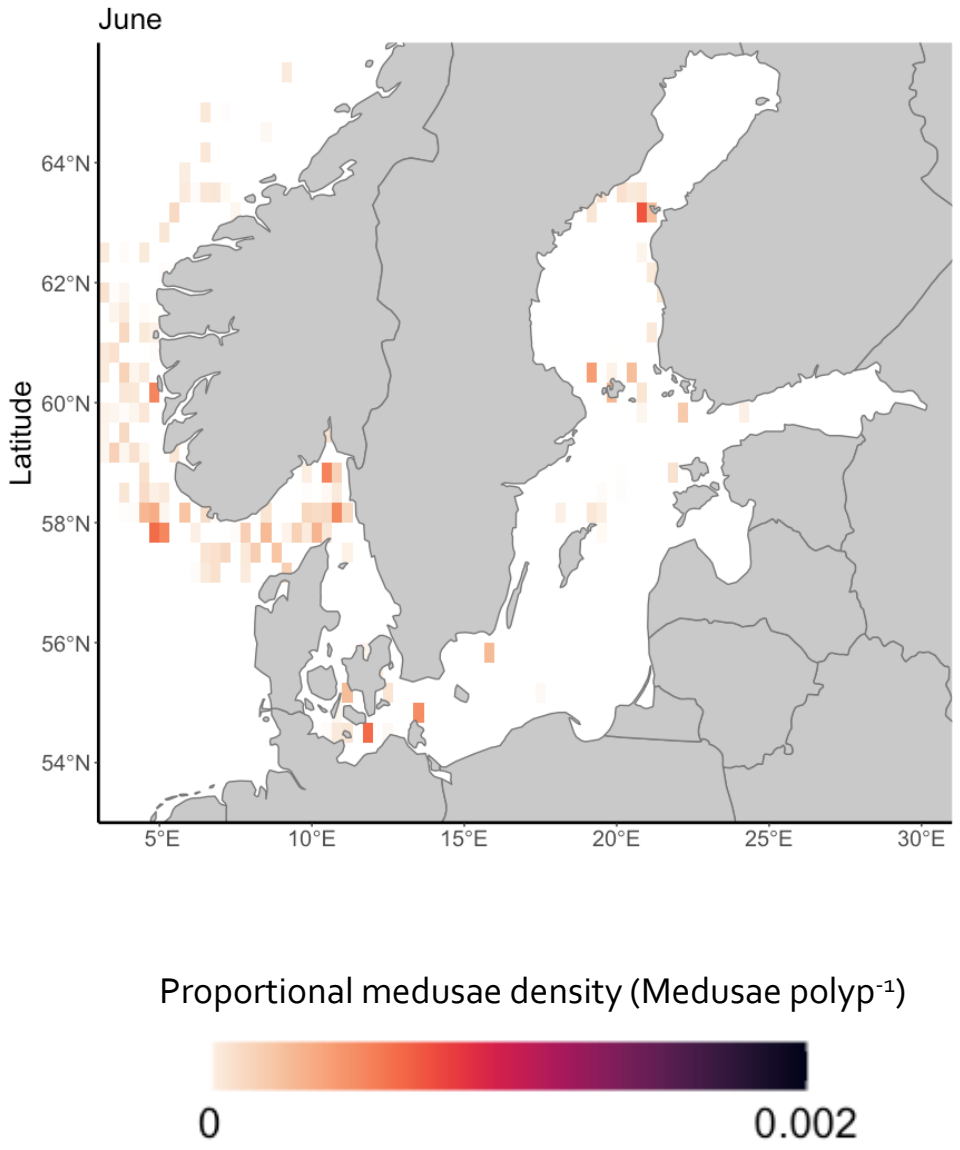
2) Building a population demographic model



Cant, Jones, Javidpour, in prep.

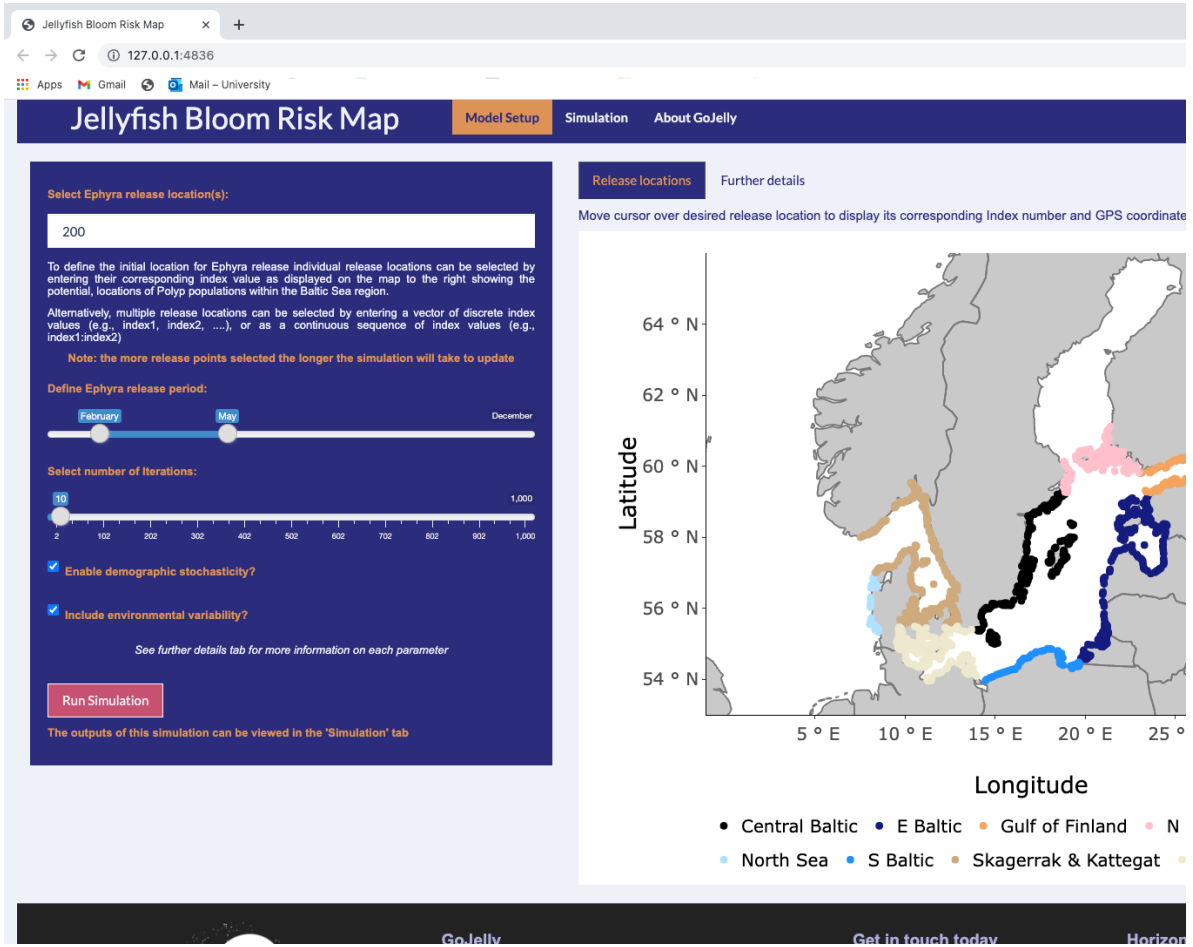
Interactive Bloom Risk Map

3) Combining demographic and hydrodynamic drifting components



Interactive Bloom Risk Map

Will be released next year to be used by interested stakeholders



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