

Citizen Science Contributions to Cetacean Research: Insights from the OMMAG Humpback Whale Photo-ID Catalogue

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OMMAG - Citizen science network

- 14 people on the matching team
- 37 partners & collaborating institutions
- 129 photographers from 2006-2024

thank you

Results after quality process from
OMMAG catalogue 2010-2024

724 individuals from 845 photo-IDs



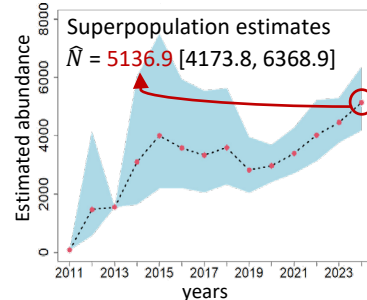
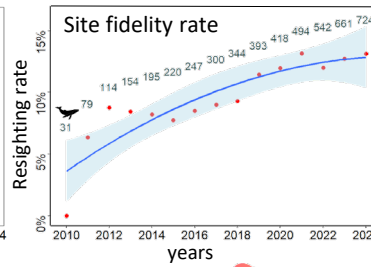
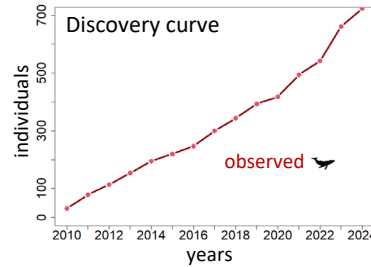
Population size POPAN model

Goodness of fit tests CJS:

- Recapture homogeneity ✓
- Survival homogeneity ✓

Selected model: $\Phi(\cdot)p(t)pent(\cdot)$
constant survival ϕ , probability of entry,
and time-dependent recapture p

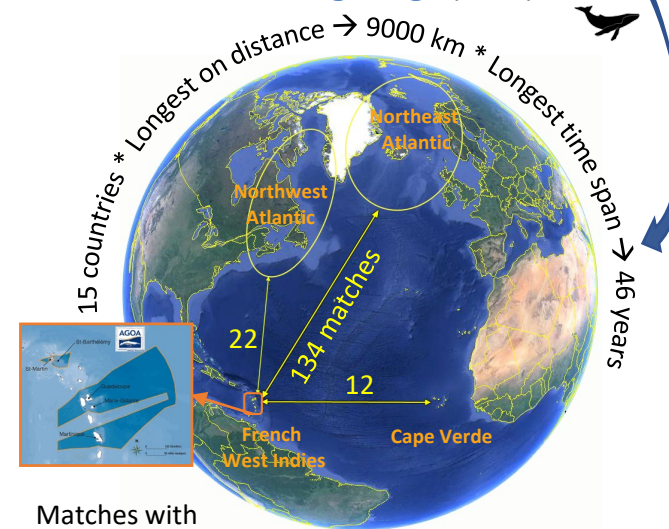
122 local resightings (14%) – 96 individuals
34% of those at the same season
with a median periodicity of 2 days
Of the 96 resighted individuals 13% returned in
another season, with a median periodicity of 3 years



Conclusions

Open population
Mainly a transit area
Low site fidelity
 $\hat{N} = 5136.9$ (10.8% CV)
Great networking!!
Good job everyone =)

188 International resightings (24%) – 186



Matches with

main **feeding** areas:

- Norway-Iceland-East Greenland-Russia (70%)
- USA-Canada-West Greenland (11.7%)

other **breeding** areas:

- Dominican republic + Puerto Rico (12.1%)
- Cape Verde Islands (6.2%)

