The Seabird Tracking Database: 20 years of collaboration for marine conservation

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Facilitating

collaboration

- Provides tools for

analysing data in a

standard format

(e.g., new toolkit

including tracking

analysis R code:

case-studies/

- Facilitated

at least 92

scientific

papers.

seabirdtracking.org/

conservation-toolkit)

168

species

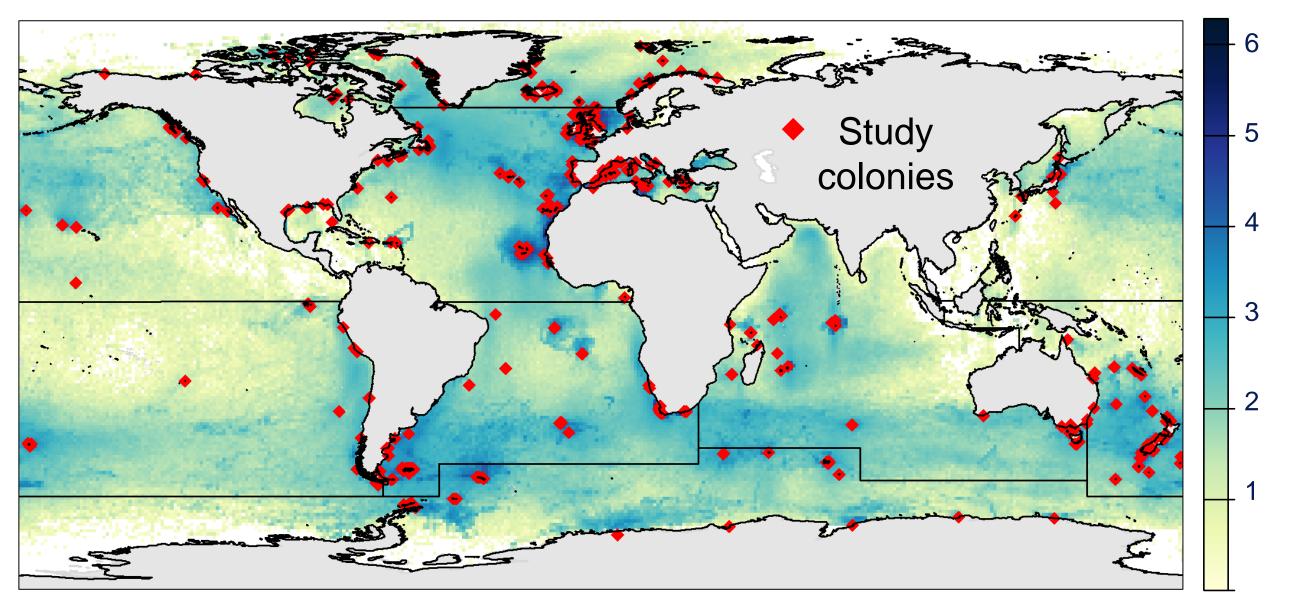
(46%)

sharing and

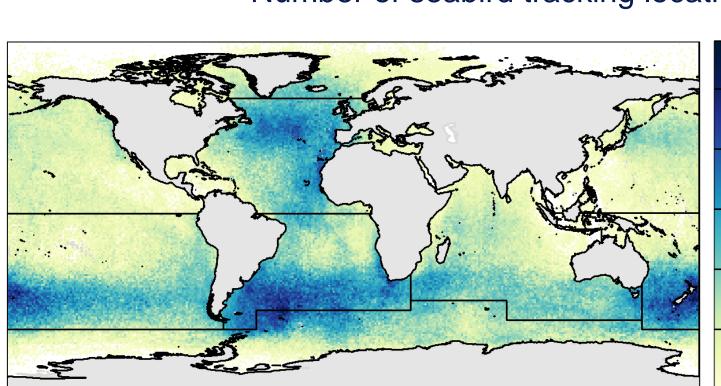
Aims

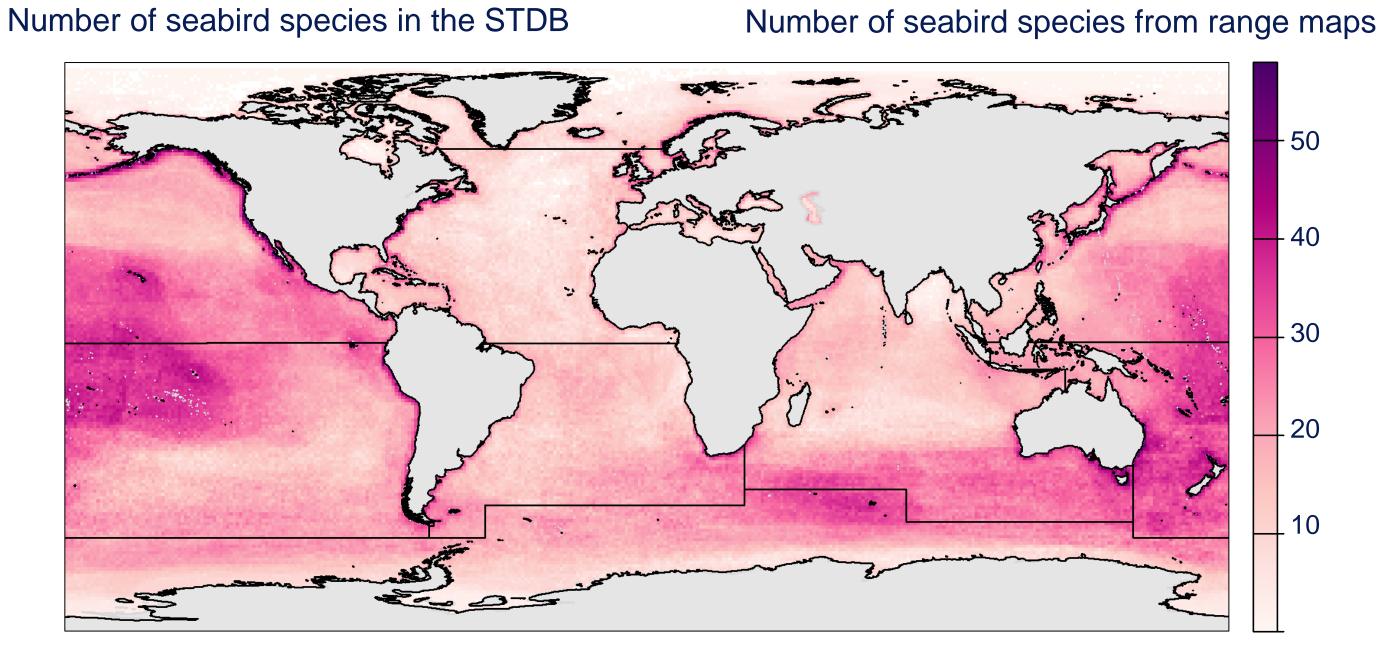
The Seabird Tracking Database (STDB) aims to support evidence-based marine conservation and facilitate collaboration worldwide.

Tracking data is global, but spatially biased



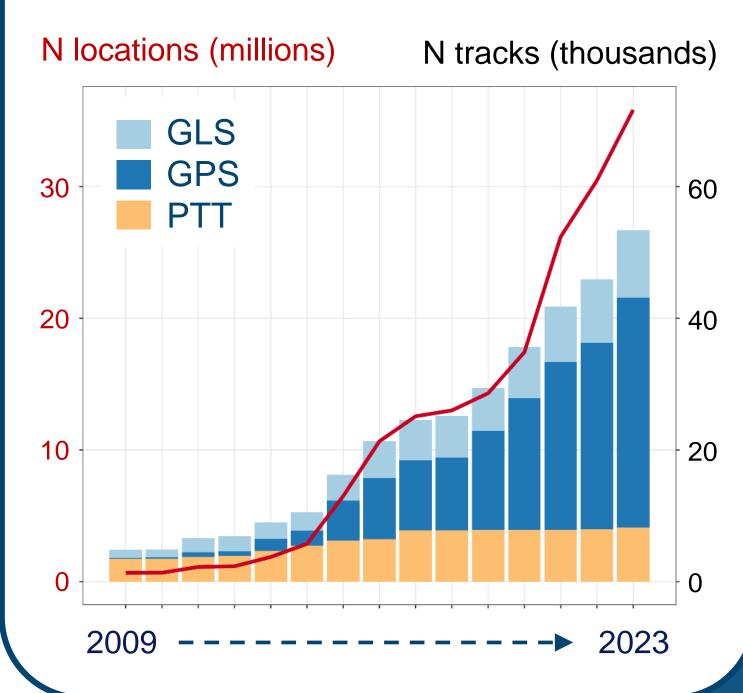
Number of seabird tracking locations in the STDB (log₁₀ scale)

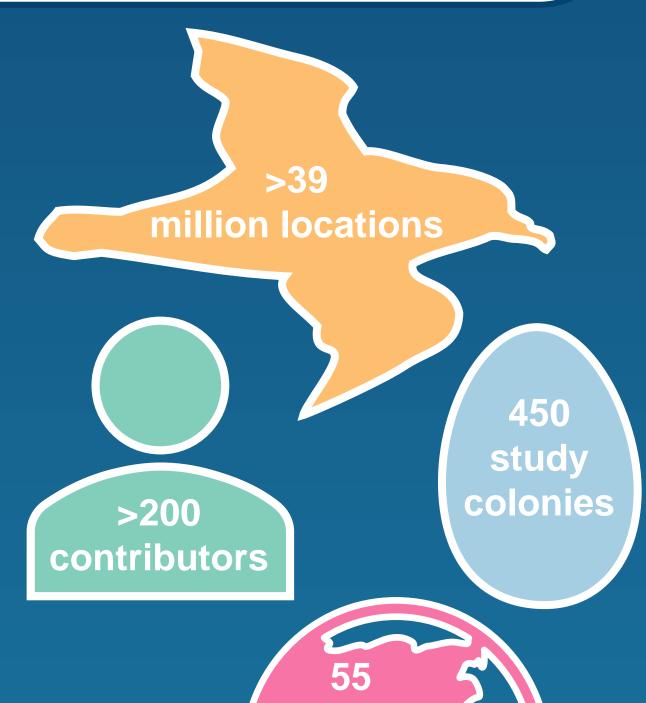




Difference in number of species between STDB tracking data and range maps

The STDB is rapidly growing





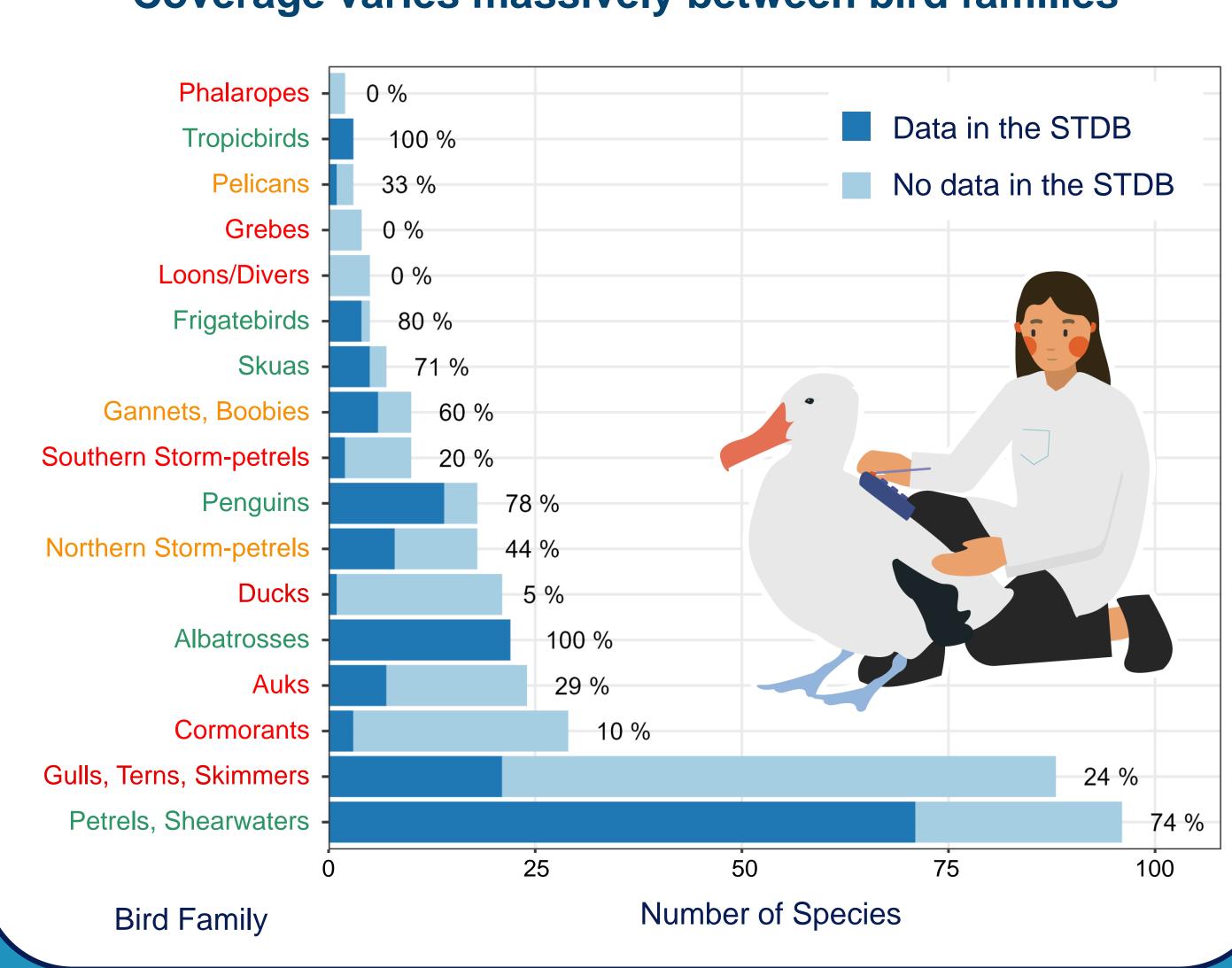
countries **6**

What's next?

- Expand coverage, especially for less known species and areas, and juveniles.
- and maintain cybersecurity.

- Improve user experience

Coverage varies massively between bird families



- Identification of a global network of Important Bird & Biodiversity Areas (IBAs), Key Biodiversity Areas (KBAs) and Ecologically or Biologically Significant Areas (EBSAs).
- Support for spatial prioritisation analyses in marine spatial planning (e.g., Falkland Islands/Malvinas, Malta, French and UK Overseas Territories).
- Adoption of seabird bycatch mitigation measures by Regional Fisheries Management Organizations (RFMOs).
- Identification of the first high-seas Marine Protected Area using tracking data.
- Assessment of the risk of exposure to marine threats (e.g., fisheries, offshore wind developments, pollution).

Conservation outcomes



NACES

The conservation work supported by the Seabird Tracking Database is only possible thanks to all the funders of the Seabird Tracking Database since 2004 and our wonderful community of data contributors: Jacob Gonzalez-Solis, Eric Vidal, Rob William Martin, Stephen Votier, Olivier Gilg, Nobuo Kokubun, Chris Martin, Stuart Bearhop, Jose Pedro Granadeiro, James Briskie, Chris Redfern, Peter Dann, Andre Chiaradia, Bill Henry, Deon Nel, Patrick Jodice, Yuri Albores-Barajas, Niels Martin Schmidt, Greg Robertson, Ana Sanz Aguilar, Leandro Bugoni, Sven Kapelj, Ian Cleasby, Ian May, Iain Stenhouse, Harley Schinagl, Morten Frederiksen, Jaime Albino Ramos, Oliver Padget, Taryn Morris, Jean-Claude Stahl, Yann Kolbeinsson, April Hedd, Amanda Freeman, Matt J Rayner, Sarah Wanless, Thomas Clay, Paulo Catry, Peter Carr, Mark Jessopp, Melinda Conners, Peter Ryan, Juan F. Masello, Maite Louzao, Letizia Campioni, Rosemary Gales, Thomas Bodey, Andrew Westgate, BirdLife Malta, Lorna Deppe, Phil Trathan, Malgorzata Korczak-Abshire, Ellen Magnusdottir, Willem Bouten, P. Dee Boersma, Ben Dilley, Steffen Oppel, Jill Awkerman, Cecilia Soldatini, Michelle Antolos, Iain Staniland, Andre Raine, Johannes Lang, Mandy Shailer, Carsten Egevang, Falklands Conservation, Rob van Bemmelen, Maria Magalhaes, Yuna Kim, Carlo Catoni, Michelle Hester, Christopher Pollock, Justine Dossa, Frazer Sinclair, Simon Taylor, Jeroen Creuwels, Dave Watts, Rachael Alderman, Sarah Crofts, Petra Quillfeldt, Nick Sisson, Hans-Ulrich Peter, Samantha Patrick, Daniel Oro, Maria Saldanha Alho, Birdwatch Ireland, Wiebke Schäfer, Katherine Booth Jones, Azwianewi Makhado, Giacomo dell'Omo, Erpur Snaer Hansen, Johannes H. Fischer, Philipp Kraemer, Francis Zino, Jan Veen, Jefferson Hinke, Wildlife Management International Ltd, Rob Suryan, Borge Moe, Paul Sagar, Jerome Fort, Ben Porter, Henri Weimerskirch, Keith Hamer, Jeremy Lee Madeiros, Clay Gravelle, Jose Manuel Arcos, Katrin Ludynia, Fiona McDuie, Flemming Merkel, Alice Trevail, Won Young Lee, Adrian Schiavini, Richard Sherley, Wayne Trivelpiece, David Nicholls, Paul Thompson, Sophie Bertrand, Luke R. Halpin, Hannah F. R. Hereward, Daniel Costa, Anders Mosbech, Robert W Furness, Ellie Owen, Dominic Rollinson, Teresa Catry, Jeong-Hoon Kim, Marco Cianchetti-Benedetti, Annette Scheffer, Benjamin Metzger, Andrea Raya Rey, Trevor Glass, Roland Gauvain, Mark Mallory, Nina da Rocha, Javier Arata, Ken Yoda, Malcolm Nicoll, Mike Dunn, Andy Schofield, Carlos Zavalaga, Andreu Rotger, Paul Scofield, Elizabeth Bell, Christina Hagen, David Thompson, Peter H Becker, Todd Landers, Klemens Puetz, Jaimie Cleeland, Francis Daunt, Juliet S. Lamb, Jannie Fries Linnebjerg, Ross Wanless, Marco Zenatello, Jez Blackburn, Bindi Thomas, David Hyrenbach, Leigh Torres, Samantha Petersen, Mercedes Santos, Yvan Satge, Christopher W. Jones, Rachael Orben, Zoe Deakin, Louise Soanes, Clara Peron, Nicholas Carlile, Yves Cherel, Dave Anderson, Gregory R Balogh, Norman Ratcliffe, Jacopo G. Cecere, Sara Maxwell, Laura McFarlane Tranquilla, Akiko Shoji, Tim Guilford, Ashley Bennison, Jonathan Green, Richard Cuthbert, Matthieu Le Corre, Vegard Brathen, Giorgia Gaibani, John Quinn, Robert Alfredo Ronconi, Phil Taylor, Lucy Wright, Jude Lane, Pierre Pistorius, Andreas Ravache, Christopher Robertson, Rachel Davies, Kath Walker, Takashi Yamamoto, Vitor Paiva, Ewan Wakefield, H. Grant Gilchrist, Thorkell Lindberg Thorarinsson, Kate J Campbell, Alex Bond, Asuncion Ruiz, Susan Mary Waugh, Adam Kane, Richard Phillips, Monica C. Silva, Flavio Quintana, Yuriko Hashimoto, Paulo Lago, Veronica Rodrigues Costa Neves, Cara-Paige Green, David Grémillet, Akira Suzuki, Aurore Ponchon, Kiyoaki Ozaki, John Arnould, Brendon Dunphy,

Carina Gjerdrum, Cleo Small, Johannes Krietsch, Megan Tierney, Mark Belchier, Gail Robertson, Akinori Takahashi, Scott Shaffer, William Montevecchi, Charles-Andre Bost, Graham Robertson, Mark Andrew Hindell, Jan Esefeld, Aevar E Petersen, Graeme Elliott, Michael Brooke,

Susana Cardenas Alayza, Robert Crawford, Damian Jensen, Matthias Kopp, Laurie Wilson, Lucas Kruger, Marcio Amorim Efe, Rosana Paredes, Ingrid L. Pollet, Ivan Ramirez, Phil Atkinson, Annette Fayet, Andy Lowther, Antje Steinfurth. Illustrations by scianimationstudio.com.



MPA

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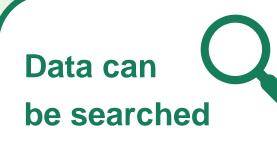
Request pre-approvals.

Metadata sharing.



Quality control

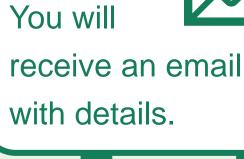
The team reviews the data & posts it on the website.



- Species
- Deployment location
- Age
- Breeding stage
- Data owner
- Device type Spatial filters



requested



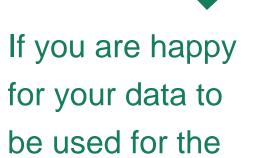


Decline

If you don't want your data to be used for the requested purpose.

Unsure? Ask for more info.

Approve



be used for the requested purpose (only).

Collaboration started!

