



## Seabird tracking databases

**Convenors: Shaffer, Small, Harrison, Taylor**

## Seabirds at-sea survey databases

**Convenors: Webb, Kuletz**

## Linking tracking & at-sea survey data

**Convenors: Webb, Small, Shaffer, Kuletz**

# Need for collaborative databases

- Convention on Biological Diversity (CBD)
  - 2012 targets for Marine Protected Areas
- Marine Spatial Planning  
(fisheries, oil rigs, shipping lanes, offshore energy...)



Convention on  
Biological Diversity



# Tracking Workshop

- Existing databases (Global Procellariiform Tracking Database, OBIS-SEAMAP, Movebank)
- Provide secure archive, tools for data holders and data users, and means for collaborative analysis

## Outcomes

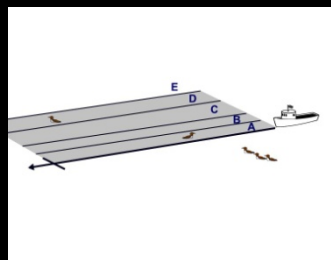
- Connect existing databases with 'cross-search' function
- Explore increasing 'interoperability' (tools, datasets & data access protection)
- Recognise need to report on data use, unique data ID?
- Produce a portal matrix: a summary of tools that each database currently provides

## Needs identified

- Further database development with inclusion of other taxa
- Collate seabird tracking data for input to Marine Protected Areas - CBD 2012 target of 10%

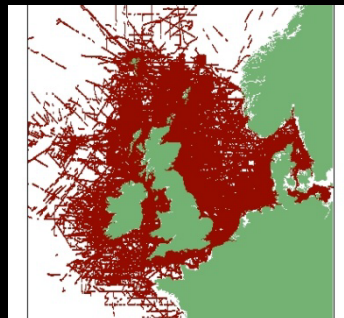
# Seabirds-at-sea Survey Databases Workshop

- Discussion about how, rather than whether to merge to a global data facility
- Survey methods
  - Highly diverse
  - Need for standardization of survey methods
  - Different ways to deal with non-standardized data (meta-data, processed data)
- Need for a secure archive
- Importance of well-defined objectives and need for an end product
- Importance of a good data model from outset
- Large amount of work to clean data and establish translation rules
- Need for funding

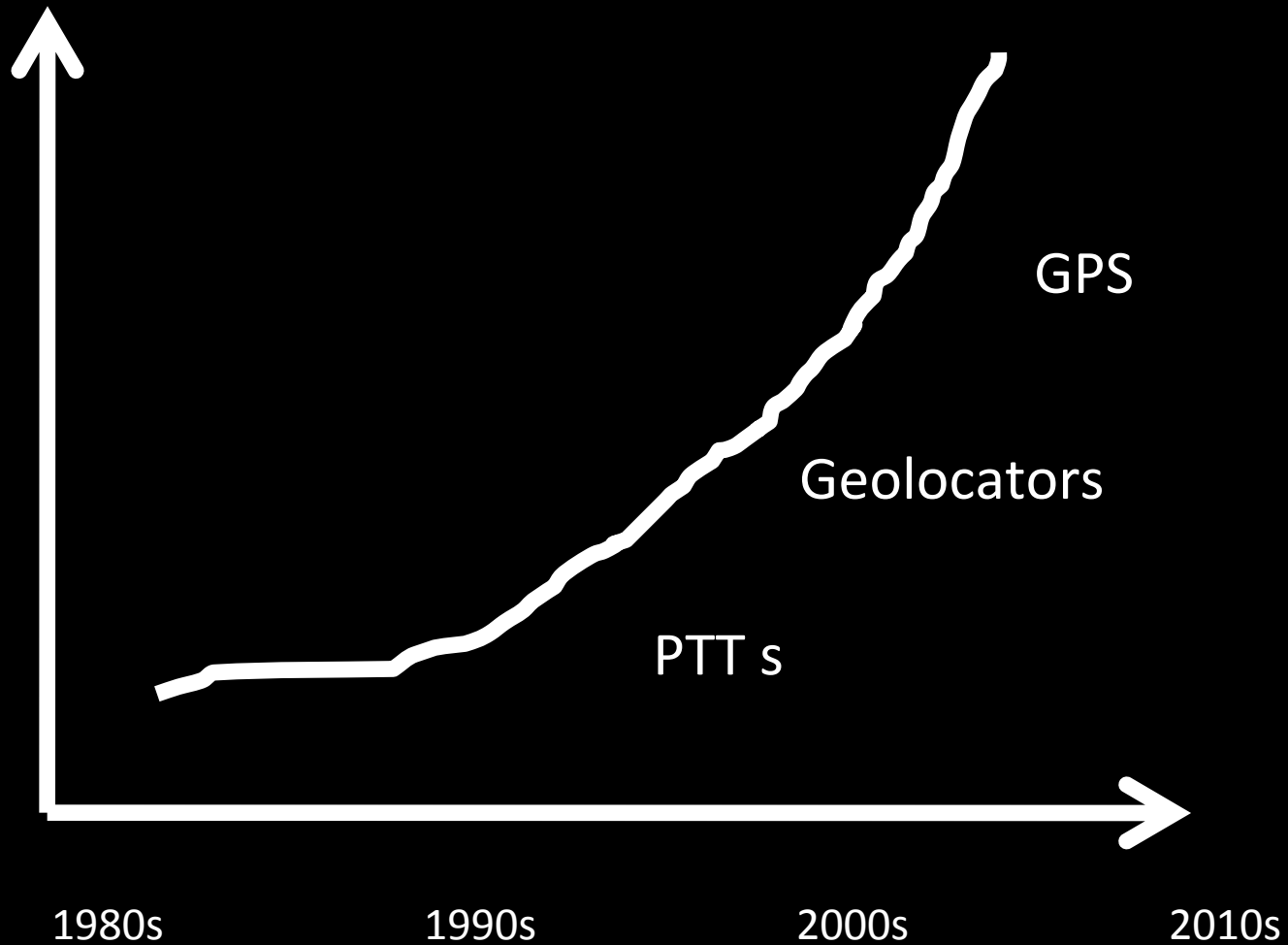


# Outcomes

- A clear interest in sharing data
- Use global database to bring about convergence of survey methods & recommend good practice
- Need to find out what's out there: fill out survey on seabirds.net
- List of nine persons who want to be involved in further development



# Seabird Remote Tracking Data

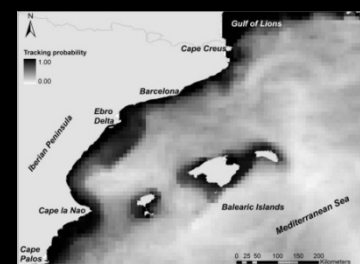


# Joint tracking & 'at sea' database workshop

- Tracking and 'at-sea' surveys have own strengths and weaknesses
- Good practice in distribution studies needs good analysis of both data types
- Very interesting presentations on ways to analyse data together
- Nobody wants a single joint database but need good access to both data types
- Want to share good practice in how best to analyse data together – resolved to share contact details, presentations and other useful advice



Tracking data	At sea survey data
Single species (taxon constraints)	Multi species
Coverage: defined by bird	Coverage: constrained
Individuals	Population
Known provenance	Fewer data on provenance
Indirect data on behaviour	Direct data on behaviour
Density distributions	Density distributions





Barrow to Baja Project: at-sea survey and tracking data  
(Sources: TOPP, PRBO & others)