

Joint Cetacean Data Programme

From scoping to launch (and everything in between...)

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(What is the JCDP?)

JCDP Vision

Promote and facilitate cetacean data **standardisation** and maximise value through **collation** and enabling of universal **access**

Aims

- Agree and adopt a Data Standard
- International platform to host cetacean survey datasets and metadata
- Facilitate access to quality data
- Provision of open access data products

Current focus on effort-related, ship or aerial observer/digital data

JCDP launched in June 2022







JCDP Platform

DATA POR	TALS					
ICES data portal	Cetaceans	📑 . Print it	•	end to	f	y
 All data Acoustic travel 	Cetaceans (whales, dolphins and porpoises) data to understand their abundance and distribution					
 Acoustic trawi surveys Biodiversity 	This portal assembles at-sea effort-related data collected via ship- based or aerial methods, collated under the Joint Cetacean Database Programme (JCDP).					
> Cetaceans	The JCDP aims to streamline the process of accessing and utilising			-	-	
> DATRAS	these data by collating the existing and forthcoming cetacean evidence base into a single resource. These data have a wide range of		2	-	-	
 DOME (Marine Environment) 	applications and have the potential to support analyses at a range of spatial and temporal scales. For more information, visit the JCDP hub (see links)					
Eggs and larvae	face much			-		

JCDP Data Portal

www.cetaceans.ices.dk

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Joint Cetacean Data Programme Database			Dverview
survey data collect	Data Programme (JCDP) aims to promote and facilitate stre d from vessel and aerial platforms, by collating the growing e to a single accessible resource.		ICUE
available via the J0 research. The proje	pes data collectors to come together to make high quality sta DP Data Portal and enable development of open access dat ct has produced an agreed Data Standard and created a de ta collected from vessel and aerial platforms, as well as a nu om the data.	a products to better inform dicated online portal to host mber of key data products that	
More information a	out the programme is available on the JCDP Information Po		Spatial extent
	inks		AN SAL
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Download and	JCDP Information Hub	Open link	Greenland





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Metadata Catalogue gis.ices.dk/geonetwork





Joint Cetacean Data Programme JCDP Contributors JCDP Commun Strategy

JCDP

JCDP Information Hub

www.JNCC.gov.uk/JCDP





Why bother?

Doing the groundwork...

- What is the need why collate the data?
 - If we created the JCDP, who would use it and what for?
- Identify users and data needs
 - Clear understanding of what the end product needs to be/do
- Established vision
 - Helped to define the rest of the JCDP development and keep us on track
- Clear objectives
 - Setting boundaries and scope to manage the development
 - There can always be a phase two!
- Communicate
 - The JCDP is a great resource...if people know about it!







Defining the specification

JCDP took a user story approach to development

- Bring stakeholders together
- Define all user stories
- Prioritise (MVP)
- Underpin development

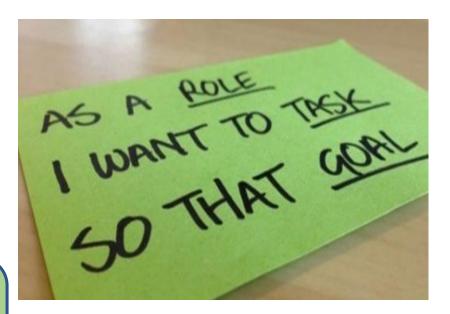
E.g.

AS A user of the strandings database

I WANT TO filter and download cause of death information across Europe

SO THAT I can explore trends at European level

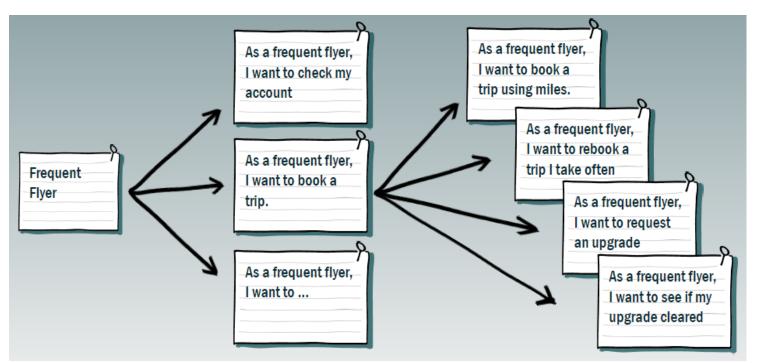








Defining the specification



Collating the user stories created a framework for development







Scoping – hosting the JCDP

Review of existing options:

- **OBIS** Ocean Biogeographic Information System
- ICES International Council for the Exploration of the Sea
- **EMODnet** European Marine Observation and Data Network
- **MEDIN and DAC** Marine Environmental and Data Information Network and Data Archive Centres
- **ECMC** European Cetacean Monitoring Coalition
- TCE The Crown Estate
- Marine Recorder
- ESAS European Seabirds at Sea
- MERP Marine Ecosystems Research Programme





Scoping – data types, geographic scope

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- User stories told us NE Atlantic was the starting geographic scale
- Resolution: data are gridded in the map view (compromise)
- Data access: open access? On request? (JCDP = both)
- Open access data products to be developed







Standardising data

The need:

- Development of expertise and data quality
- Suitability of data for analyses
- Simplify the data ingestion process
- Compatibility of datasets for combined use

Some of the obstacles:

- Long-term data projects with defined protocols
- Variety in data collection methods and protocols within methods
- Variety in data capture and storage
- Vocabulary



(Agreement doesn't necessarily come easy!)







QA and validation

Data standard:

- Core fields
- Common vocabulary
- Enable simpler automated validation

Who's responsible?

- Agreement that QA starts with the data collector
- Processes integrated into the JCDP upload to further QA and validate (setting validation rules is an ongoing process)
- Some responsibility still lies with the user
- Metadata is key









- JCDP development was funded by Defra in the UK, managed by JNCC
- May have been better to have collaborative funding on a wider scale to get wider buy in earlier on (strandings is already doing this)
- No ongoing funding JCDP now governed by an ICES working group
- Further resource needs will need to be identified based on need
- ICES will maintain the database as part of their Data Centre responsibilities
- Need a long-term plan







Success measures

- Metrics identified to review JCDP success
 - Google analytics
 - Number of outputs using JCDP data
 - Data download
 - Number of data providers
 - Number of surveys uploaded
- Useful engagement tool





