

ESAS questionnaire

In the context of the revitalization of the European Seabird At Sea (ESAS) database, the Research Institute for Nature and Forest (INBO), Bureau Waardenburg and Forschungs- und Technologiezentrum Westküste (FTZ) have been tasked by Rijkswaterstaat and JWGBIRD to create an inventory of sources of seabird at sea data in Europe. By filling out this questionnaire, you help us to do so.

The questions below are applicable to a single monitoring programme. We define a monitoring programme as one or more seabirds at sea surveys (projects, data collection schemes, opportunities) with the same purpose, for instance "monitoring the numbers and distribution of seabirds in the Belgian part of the North Sea", "annual Ecosystem Survey in the Barents Sea" or "volunteer-based survey of seabirds and marine mammals using vessels of opportunity". These campaigns can be spread over time and space and may differ in the persons or institutes involved. Please fill out one questionnaire per monitoring programme, if you have more than one.

* Required

1. Email *

2. First name Last name *

3. Organization *

4. Has your organization monitored seabirds at sea (past or present) *

Mark only one oval.

☐ Yes

☐ No

Monitoring programme
information

General information questions about your monitoring
programme.

5. Name and/or acronym of the monitoring programme (if not specified, please put 'None') *

6. Short description (or URL) of the purpose *

7. Organization(s) leading or commissioning the monitoring programme *

8. Country where this organization is based *

9. What is your role in this monitoring programme

Check all that apply.

- ☐ Project lead
☐ Contact person
☐ Data management and supply
☐ Data storage

Other: ☐

10. Is this monitoring programme currently active *

Mark only one oval.

- ☐ Yes
☐ No

11. Start year *

Mark only one oval.☐ 1980☐ 1981☐ 1982☐ 1983☐ 1984☐ 1985☐ 1986☐ 1987☐ 1988☐ 1989☐ 1990☐ 1991☐ 1992☐ 1993☐ 1994☐ 1995☐ 1996☐ 1997☐ 1998☐ 1999☐ 2000☐ 2001☐ 2002☐ 2003☐ 2004☐ 2005☐ 2006☐ 2007☐ 2008☐ 2009☐ 2010☐ 2011

- ☐ 2012
- ☐ 2013
- ☐ 2014
- ☐ 2015
- ☐ 2016
- ☐ 2017
- ☐ 2018
- ☐ 2019
- ☐ 2020

12. End year *

Mark only one oval.☐ ongoing☐ 1980☐ 1981☐ 1982☐ 1983☐ 1984☐ 1985☐ 1986☐ 1987☐ 1988☐ 1989☐ 1990☐ 1991☐ 1992☐ 1993☐ 1994☐ 1995☐ 1996☐ 1997☐ 1998☐ 1999☐ 2000☐ 2001☐ 2002☐ 2003☐ 2004☐ 2005☐ 2006☐ 2007☐ 2008☐ 2009☐ 2010

☐ 2011☐ 2012☐ 2013☐ 2014☐ 2015☐ 2016☐ 2017☐ 2018☐ 2019☐ 2020

Scope & Methodology

Questions about the scope and methodology of your monitoring programme.

13. Taxonomic scope *

Check all that apply.

☐ Birds☐ Marine mammals

Other: ☐ _____

Geographical scope

For OSPAR regions, see <https://www.ospar.org/convention/the-north-east-atlantic>

14. Geographical scope *

Check all that apply.

☐ Arctic waters (OSPAR Region I)☐ Greater North Sea (OSPAR Region II)☐ Celtic Seas (OSPAR Region III)☐ Bay of Biscay and Iberian Coast (OSPAR Region IV)☐ Wider Atlantic (OSPAR Region V)☐ Baltic Sea

Other: ☐ _____

15. Platform *

Check all that apply.

- ☐ Ship-based
- ☐ Aerial

16. If your monitoring programme includes ship-based observations, please specify the specific method

Check all that apply.

	Yes	No
Line transect methodology	<input type="checkbox"/>	<input type="checkbox"/>
Strip transect methodology	<input type="checkbox"/>	<input type="checkbox"/>
Snapshot count for flying birds	<input type="checkbox"/>	<input type="checkbox"/>
Distance estimation	<input type="checkbox"/>	<input type="checkbox"/>

17. If your monitoring programme includes aerial observations, please specify the specific method

Check all that apply.

	Yes	No
Digital survey	<input type="checkbox"/>	<input type="checkbox"/>
Observer-based survey	<input type="checkbox"/>	<input type="checkbox"/>
Line transects	<input type="checkbox"/>	<input type="checkbox"/>
Strip transects	<input type="checkbox"/>	<input type="checkbox"/>
Distance estimation	<input type="checkbox"/>	<input type="checkbox"/>

18. Time of year

Check all that apply.☐ Year round☐ Winter☐ Spring☐ Summer☐ AutumnOther: ☐ _____

19. Sampling interval

Check all that apply.☐ Every year☐ Seasonally☐ MonthlyOther: ☐ _____

20. Does your monitoring programme include information about:

Check all that apply.☐ Age composition☐ Plumage☐ Sex☐ Behaviour☐ Association with shipsOther: ☐ _____

21. Other relevant remarks

Data

Questions about the data collected with your monitoring programme.

22. number of species occurrence records (i.e. species key records) *

Mark only one oval.

- ☐ 1-10.000
- ☐ 10.000 - 100.000
- ☐ 100.000 - 1.000.000
- ☐ >1.000.000
- ☐ Unknown

23. Data are stored as *

Check all that apply.

- ☐ Relational database (Postgres, MySQL, etc.)
- ☐ Paradox
- ☐ Microsoft Access
- ☐ Microsoft Excel
- ☐ CSV files

Other: ☐ _____

24. Data are imported into above system

Mark only one oval.

- ☐ After each trip
- ☐ Periodically, but at least within 3 months
- ☐ Periodically, but at least within 12 months
- ☐ Other: _____

25. Language use in data (e.g. English, Dutch)

26. Data are included in ESAS database *

Mark only one oval.

- ☐ Yes
- ☐ Partially
- ☐ No
- ☐ Unknown
- ☐ Planned

27. Remarks

Sharing data
with ESAS

Questions regarding potentially sharing data of your monitoring programme with the ESAS database.

28. Is there any interest for sharing data with ESAS *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Unknown

29. Are there any financial constraints for sharing data with ESAS *

Mark only one oval.

- ☐ Yes
☐ No
☐ Unknown

30. If your answer to the previous question was YES, can you give an estimation of the expected cost to incorporate the data in the ESAS database

31. Are there any intellectual ownership constraints for sharing data with ESAS *

Mark only one oval.

- ☐ Yes
☐ No
☐ Unknown

32. If your answer to the previous question was YES, can you specify what those constraints are and/or under what conditions data could be shared

33. Are you aware of the current ESAS database model *

Mark only one oval.

- ☐ Yes
☐ No

34. If your answer to the previous question was YES, can you specify potential shortcomings of the current ESAS database model for integrating your data

35. Can you provide a sample of the data to help us assess data compatibility *

Mark only one oval.

☐ Yes

☐ No

Other monitoring programmes

36. Are you aware of other seabird at sea monitoring programmes in your country (please provide contact information if possible)

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