

Stranding.nl

Dutch marine strandings platform



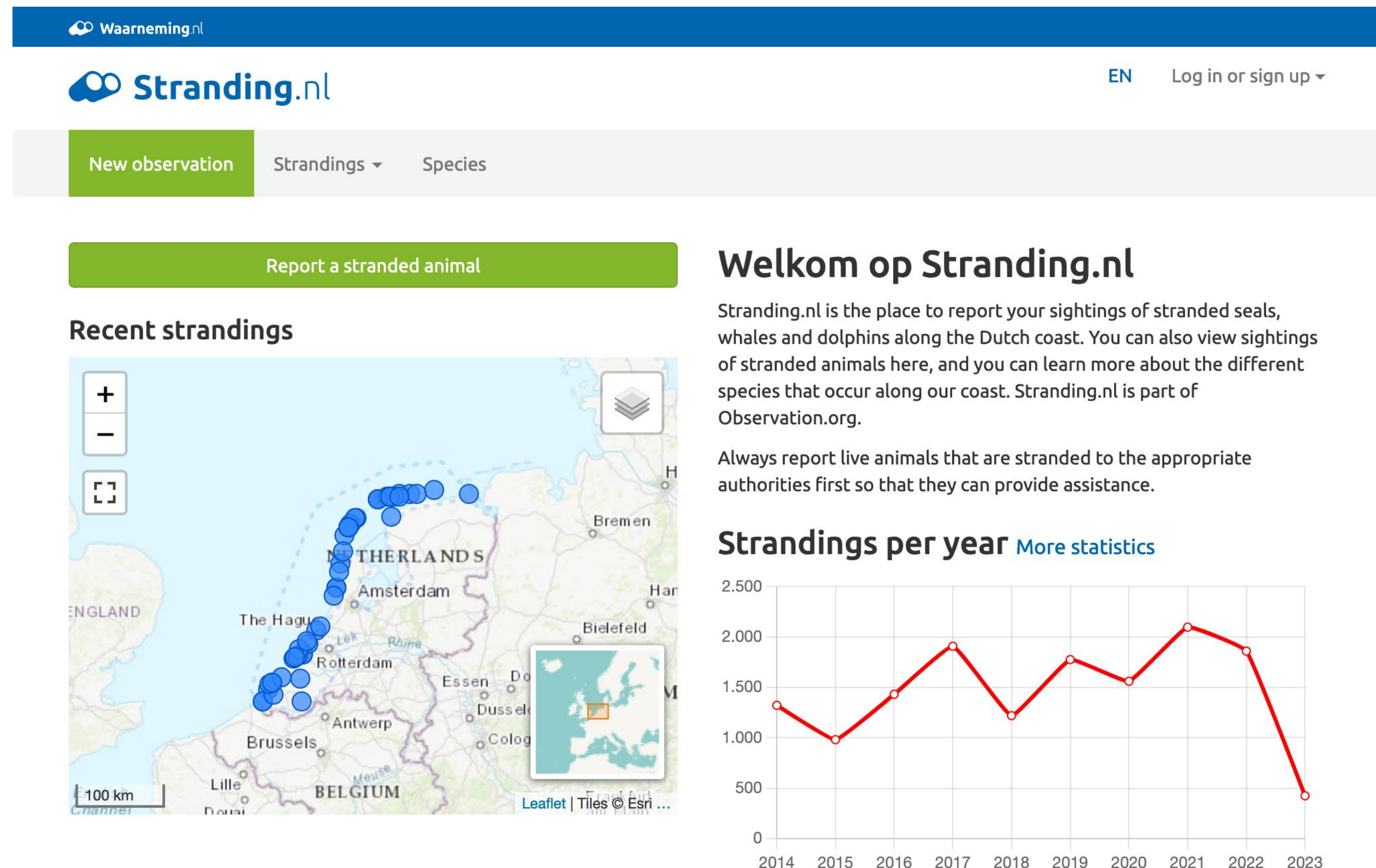
Introduction

ECS / ASCOBANS

O Grove, Spain
16 April 2023

Dylan Verheul

dylan@observation.org



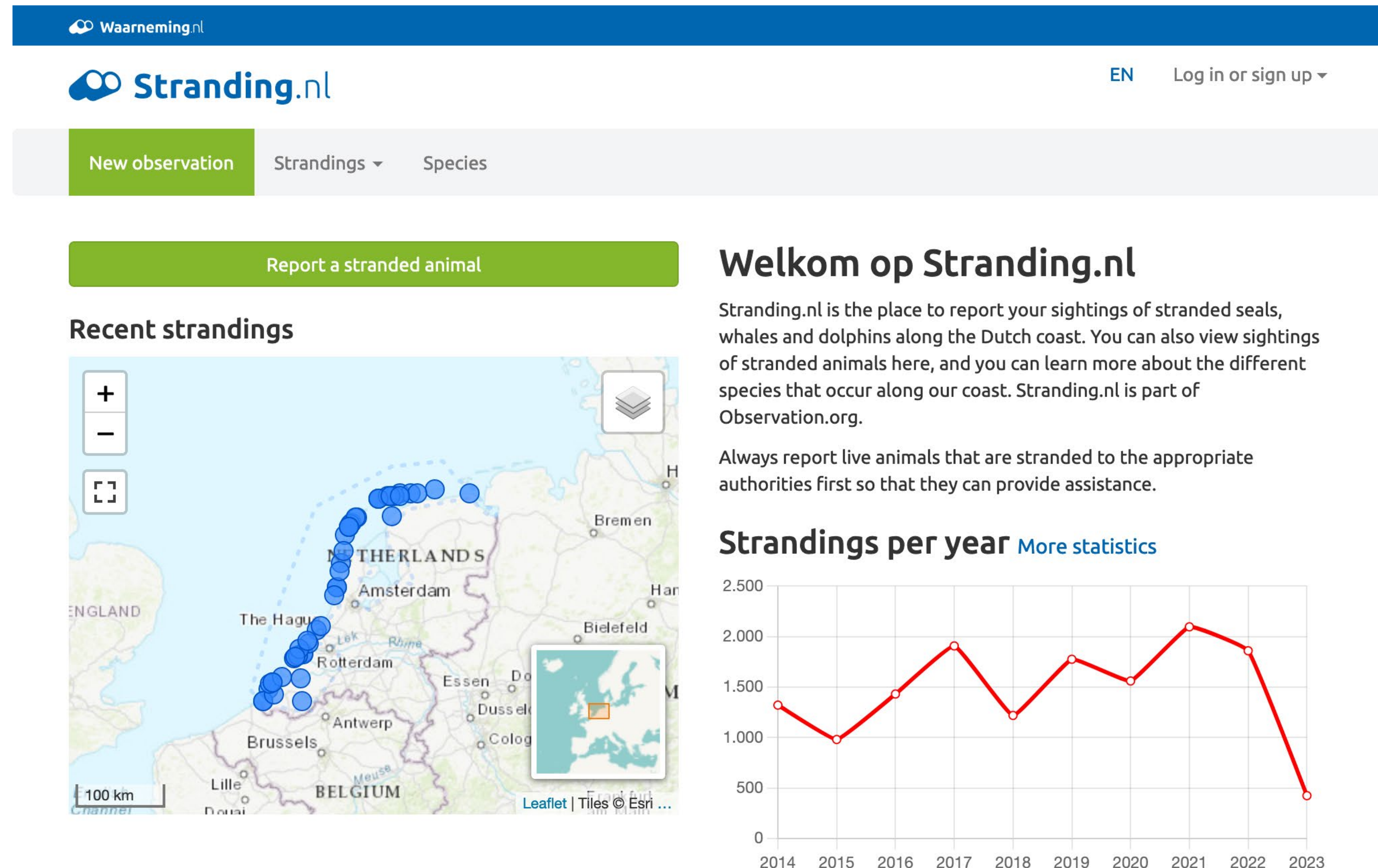
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Agenda

- Introduction
- What data is collected?
- Who maintains datasets?
- What about data quality?
- Contact information



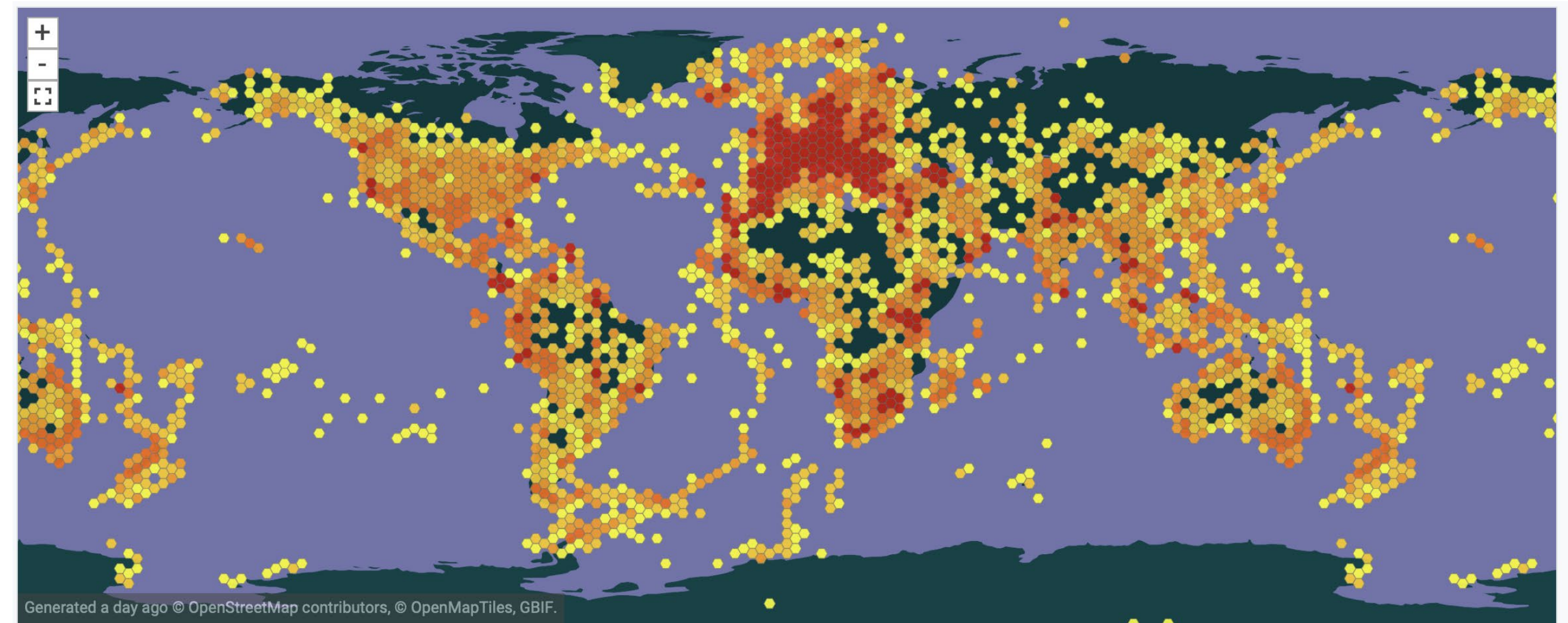
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Dutch marine strandings platform



Part of Observation.org (1)

- Platform for nature observations
- Citizen science and monitoring
- 210M nature observations
- 3rd largest dataset on GBIF
- Non-profit foundation under Dutch Law, 15 people / 10 FTE
- Partners in The Netherlands, Belgium, Luxembourg, Germany, Austria, Spain, ...



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Part of Observation.org (2)

- Since 2004
- Research grade data, 1250+ publications
- Experience in monitoring, examples:
 - Meetnetten.be in Belgium (since 2015)
 - EU Stag Beetle Monitoring
 - Wallonia Bird Monitoring
- Major data provider for EBP (EuroBirdPortal)

The screenshot displays the Observation.org website interface. At the top, there's a navigation bar with the logo and three main menu items: 'Invoeren' (highlighted in green), 'Ontdek', and 'Projecten'. Below this, the 'Publications' section is active. It features a brief description of the platform's role in publishing observations and a list of recent publications from 2021. Each publication entry includes the authors, title, journal, and a DOI link. On the right side, there are two detailed preview cards for specific publications. The first card is for 'Socotra Archipelago (Yemen)' by Maděra, P. Van Damme, K. (2022), discussing its conservation importance. The second card is for 'Evaluation of the Fish Invasiveness Scoring Kit (FISK v2)' by Medellin-Castillo, N. et al. (2022), describing a detection tool. Both cards include tags for related topics and a 'Peer-reviewed' status.

Observation.org

Invoeren Ontdek Projecten

Publications

When you enter observations on Observation.org, the list of publications shows the various ways Observations have been used in publications that have made use of Observation.org data.

Observation.org, Waarneming.nl, Waarneming.org dataset.

2021

Aghababayan, K., Gevorgyan, G. & Boyajyan, M. (2021). **griseogularis** in Armenia. Sandgrouse 41:5–6.

Baumann, K., Jödicke, R., Borkenstein, A., Burkhardt, K., & Jödicke, R. (2021). **Niedersachsen/Bremen**. Mitteilungen der Arbeitsgemeinschaft der Ornithologen Niedersachsen Sonderband: 84-89. <https://www.ag-libellen-nd.de/>

Caliendo, V., Rijks, J.M., Kleyheeg, E., Slaterus, F., & Kuiken, T. (2021). **Highly pathogenic avian influenza virus in the Netherlands**. **host range to barnacle geese**. European Wildlife Disease Journal 26:1–10.

Debrot, A.O., N.H.B.M. Kaag, M.F. Leopold, J.T. Verweij, P.J.F.M. Verweij, M.N. de Boer (2021). **Caribbean**. Wageningen Marine Research, rapport no. C0819.

Van Eupen, C., Maes, D., Herremans, M., Swinnen, K.R.R., Somers, B., & Luca, S. (2021). **The impact of data quality filtering of opportunistic citizen science data on species distribution model performance**. ECOLOGICAL MODELLING, 444, 109453. <https://doi.org/10.1016/j.ecolmodel.2021.109453>

Herremans, M., Gielen, K., Van Kerckhoven, J., Vanormelingen, P., Veraghtert, W., Swinnen, K.R.R., Maes, D. (2021). **Abundant Citizen Science Data Reveal That the Peacock Butterfly Aglais io Recently Became Bivoltine in Belgium**. Insects 2021, 12, 683. <https://doi.org/10.3390/insects12080683>

Kaufmann, P. & Lindner, R. (2021). **Biodiversitätsdaten, Citizen Science und Online-Erfassungssysteme – Überblick und Erfahrungsbericht**. Bayerische Akademie für Naturschutz und Landschaftspflege. ANLiegen Natur und Landschaft 43/1. https://www.anl.bayern.de/publikationen/anliegen/doc/an43112kaufmann_et_al_2021_online_erfassungssysteme.pdf

Verdaat, J.P., Golli, M.O.E. & Ebels, E.B. (2021). **Wahlberg's Eagles at Cap Blanc, Mauritania, in September 2014 and Cap Bon, Tunisia, in April 2018**. Dutch Birding 43-3, p. 218-221

Data referenced in study [DOI 10.15468/dl.8fxhh1](https://doi.org/10.15468/dl.8fxhh1) [DOI 10.15468/dl.cw79b](https://doi.org/10.15468/dl.cw79b) [DOI 10.15468/dl.klwehw](https://doi.org/10.15468/dl.klwehw) [DOI 10.15468/dl.p5clzh](https://doi.org/10.15468/dl.p5clzh) [DOI 10.15468/dl.tjaj](https://doi.org/10.15468/dl.tjaj)

Socotra Archipelago (Yemen)

Maděra, P. Van Damme, K. (2022) **Imperiled: The Encyclopedia of Conservation**. The Socotra Archipelago contains islands of high conservation importance. Since 1982 it has been a UNESCO Biosphere Reserve and since 2008 it was officially listed as a UNESCO Natural World Heritage Site. Socotra contains currently the only Ramsar...

Biodiversity • Endemism • Extinction • Socotra • Soqatra • Threats

Book section Peer-reviewed

Data referenced in study [DOI 10.15468/0i0w8g](https://doi.org/10.15468/0i0w8g)

Evaluation of the Fish Invasiveness Scoring Kit (FISK v2) for

Medellin-Castillo, N. Cisneros-Ontiveros, H. Carranza-Álvarez, C. Ilizaliturri-Hernández, J. (2022) **Bacterial Fish Diseases**. FISK v2 is a fish invasiveness detection tool used in this chapter to evaluate the impact of the family Loricariidae introduced into the aquatic systems of the Huasteca Zone of Mexico on the invasiveness through...

FISK • Huasteca potosina • Pleco fish • biodiversity loss • devil fish • invasive species

Book section Peer-reviewed

Niche Profiling and Niche Modelling of Endangered Cryptocarya

Amitha Bachan, K. Devika, M. (2022) **Imperiled: The Encyclopedia of Conservation**. The endangered tree Cryptocarya anamalayana Gamble, Southern Western Ghats, India, is a species of conservation concern incorporating population and other field data. The Ecological Niche profiling along with the threat factors has been introduced here as a...

Anamalai • Conservation planning • ENM tools • Ecorestoration • Eltonian niche

Book section Peer-reviewed

Data referenced in study [DOI 10.15468/dl.3pd6bx](https://doi.org/10.15468/dl.3pd6bx) [DOI 10.15468/dl.5fr4br](https://doi.org/10.15468/dl.5fr4br) [DOI 10.15468/dl.dq4xee](https://doi.org/10.15468/dl.dq4xee) [DOI 10.15468/dl.gz53f8](https://doi.org/10.15468/dl.gz53f8) [DOI 10.15468/dl.jvv](https://doi.org/10.15468/dl.jvv) [DOI 10.15468/dl.uu9vk9](https://doi.org/10.15468/dl.uu9vk9) [DOI 10.15468/dl.vrqsjq](https://doi.org/10.15468/dl.vrqsjq) [DOI 10.15468/dl.yfab](https://doi.org/10.15468/dl.yfab)

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Client

- Ministry of Agriculture, Nature and Food Quality

Stakeholders

- Naturalis Biodiversity Center
- Wageningen University
- University of Utrecht / DWHC
- Dutch Seal Centers

Waareming.nl

Stranding.nl

EN

Log in or sign up

New observation

Strandings

Species

Gray Seal

Halichoerus grypus (FABRICIUS, 1791)

relatively common

native

Mammals

Phocidae

Halichoerus

Halichoerus grypus

Species

1 subadult dead

2023-04-08 09:33

RTZ - Nederland (archief J.v.d. Hiele)

Cadzand-Bad (ZL)

Accepted (with evidence)


GPS 51.3799, 3.3889

RDS 15890 378655

Accuracy 15m

Source Site

Directions

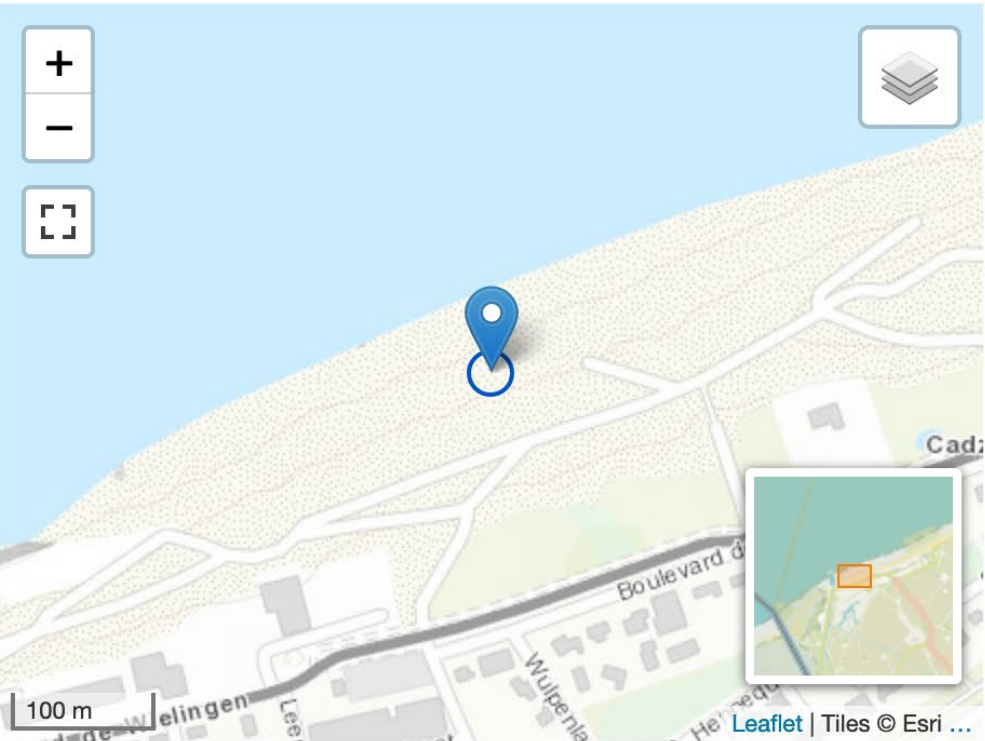


Details


Date	2023-04-08 09:33
Number	1
Life stage	subadult
Activity	dead
Location	Cadzand-Bad (ZL)
Observer	RTZ - Nederland (archief J.v.d. Hiele)
Counting method	none
Method	seen
External reference	Destructie

Identifiers

Code	Individual	Type
stranding-30477	halichoerus-grypus-30477	Stranding



Photos



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Successor to Walvisstrandings.nl

- All data from walvisstrandings.nl will be loaded into stranding.nl
- Partnership with Naturalis Biodiversity Center

The screenshot shows the Walvisstrandings.nl website. At the top is a blue header with the site name and a whale illustration. Navigation tabs include 'Nieuws', 'Herkenning', 'Walvisinformatie', and 'Literatuur'. The 'Walvisinformatie' tab is active, showing a dropdown menu with options: 'Nederland en walvissen', 'Soortinformatie', 'Walvisgeluiden', and 'Op het strand gesmeten'. Below the header, there's a section titled 'Alle geregistreerde Nederlandse walvisstrandingen' with a paragraph of text. To the left is a sidebar with a list of species under 'Soort' and 'Uitgebreid' tabs, including 'Beloega', 'Blauwe vinvis', 'Bruinvis', 'Bultrug', 'Butskop', and 'Dolfijn van Cuvier'. Below this is a 'Meld een stranding' button and a counter for 'Aantal strandingen in 2023' showing '0067'. To the right of the text is a map of the Netherlands with orange pins indicating stranding locations. Further right is a table of recent sightings.

5-4-2023	Bruinvis	Cadzand	
4-4-2023	Bruinvis	Ouwerkerk	
2-4-2023	Bruinvis	Eemshaven	
31-3-2023	Bruinvis	Vlissingen	
30-3-2023	Bruinvis	Terschelling, 28	
29-3-2023	Bruinvis	Hoek van Holland	
27-3-2023	Bruinvis	Vlieland	
23-3-2023	Bruinvis	Texel , 15	
21-3-2023	Bruinvis	Noordwijk, 79	
19-3-2023	Bruinvis	Noordwijk	
18-3-2023	Bruinvis	Ameland	
17-3-2023	Bruinvis	Langevelderslag	
14-3-2023	Bruinvis	IJmuiden	
13-3-2023	Bruinvis	Ameland	
11-3-2023	Bruinvis	Ouddorp	

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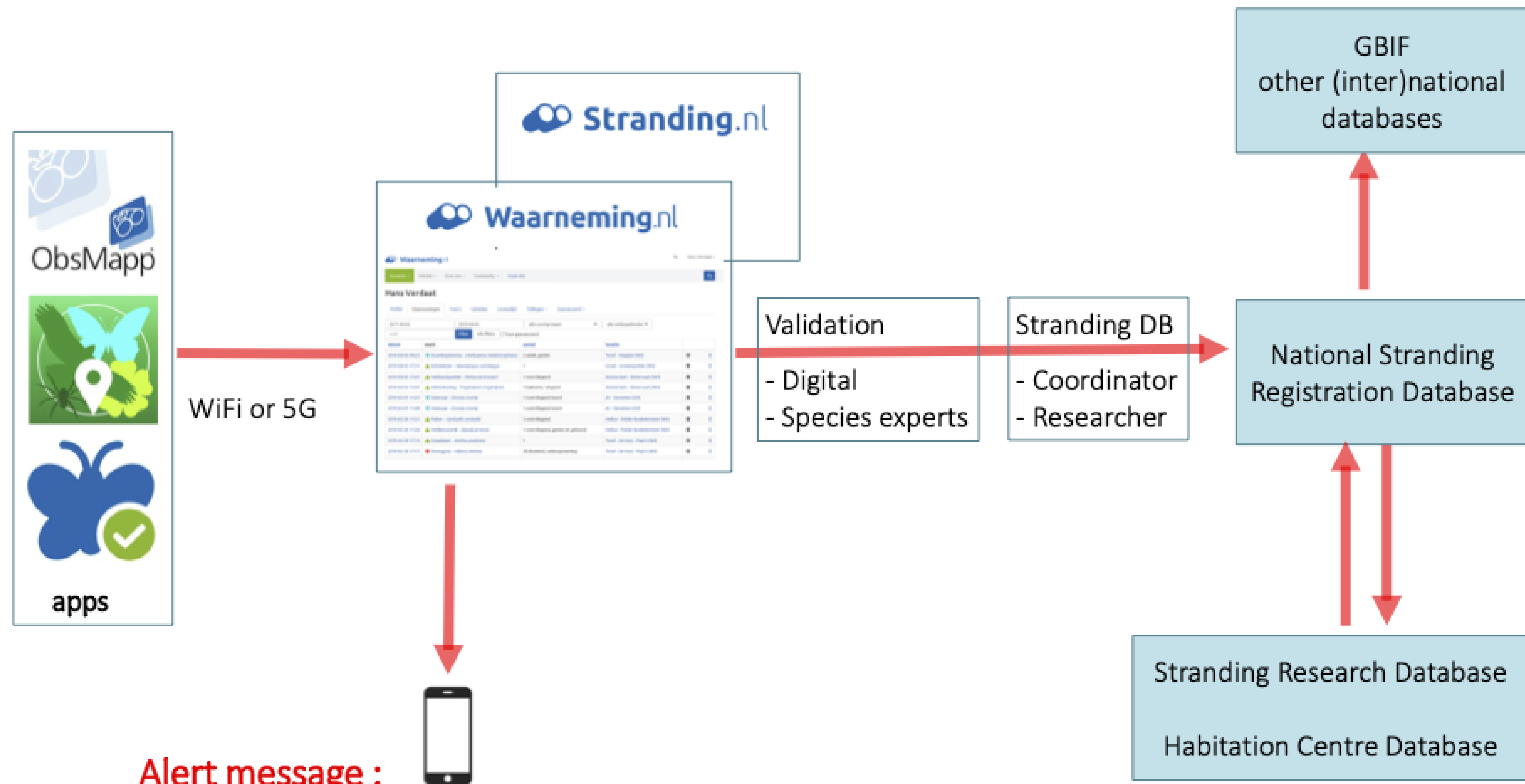
Technology

- Stack: Python / Django
- Database: PostgreSQL / PostGIS
- Apps for Android and iPhone
- Multilingual
- Prepared for international use



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Alert message :

Rescue animal or start collect research material !!

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What data is collected (1)

- Observations (date, time, location, species, alive/dead, observer, et cetera)
- Strandings (stranding code)
 - One stranding can have multiple observations
- Individual animals (multiple identifiers possible)
 - One individual can have many observations
 - One individual can be in multiple strandings

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What data is collected (2)

- Metadata and measurements are part of Stranding.nl
- Weight, length and other attributes can be connected to observations
- Attributes can be added by application manager without database changes



Image © GREMM

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Data access

- All validated data will be made available for rehabilitation centers, researchers and policy makers.
- Public data uploaded to GBIF
- Detailed data export to researchers (not public)
- Detailed data to Dutch national database (NDFF)



Image © M J Richardson

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Summary

- Collect observations, strandings, individuals with metadata and measurements
- Datasets maintained by Observation.org and Stranding.nl partners
- Quality assurance by validators (species experts) and stranding coordinators
- Public data on GBIF, detailed data to research centers and institutes
- Multilingual, international
- Connects to the public with mobile apps

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Thank you for your time.

Questions welcome!

Feel free to contact me:

Dylan Verheul

dylan@observation.org

