

The Bow Jubail incident in the Netherlands

Oil Spills and Wildlife protection

POPCORN Webinar Series

18th May 2022



EUROWA-2 is funded by the European Union Civil Protection





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- Description of the Incident
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Bow Jubail incident



Day 0: 23rd June 2018

1:30 pm – Incident – 217 T Fuel oil lost

8:00 pm - “hundreds of swans oiled; being rescued by public”

8:30 pm - SAF contacted Rijkswaterstaat: Verification

Day 1: Dutch National Response plan was activated (Rehab centres act as buffer)
400 swans in care (+600 oiled in field)

Day 2-3: Building Temporary Wildlife Hospital (TWH)

Target capacity: 600 swans

Day 3: Swans start streaming in into TWH

Day 30: Last swan released from TWH



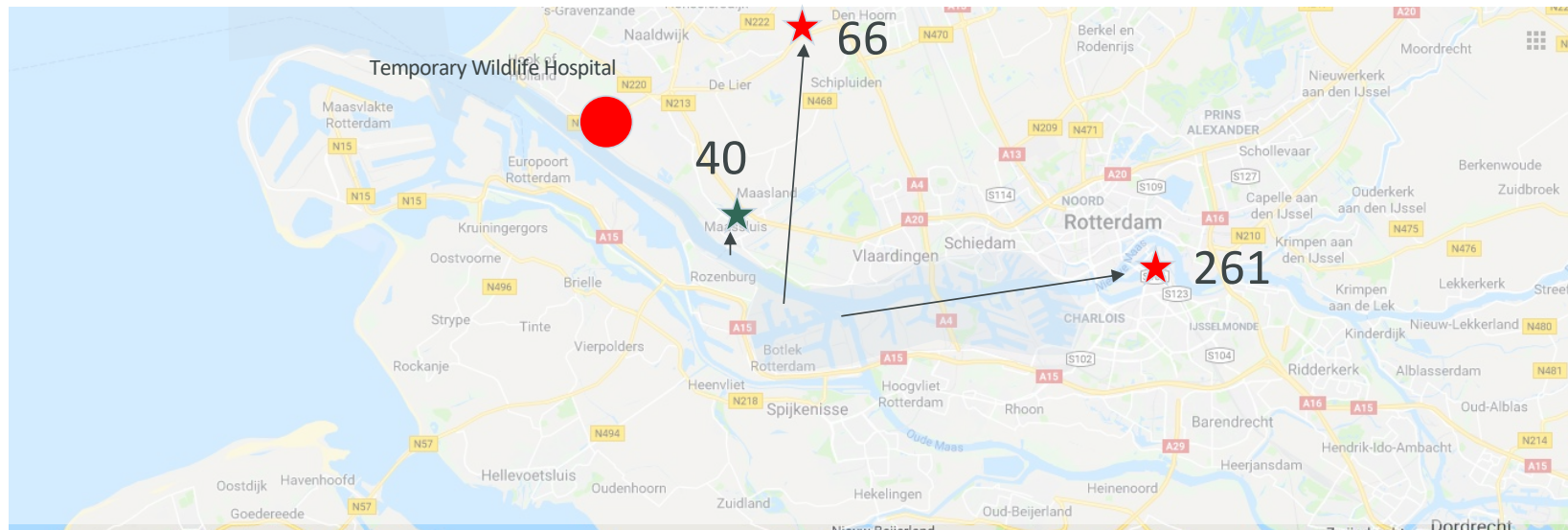
Oil spill and pollution







Oiled swans



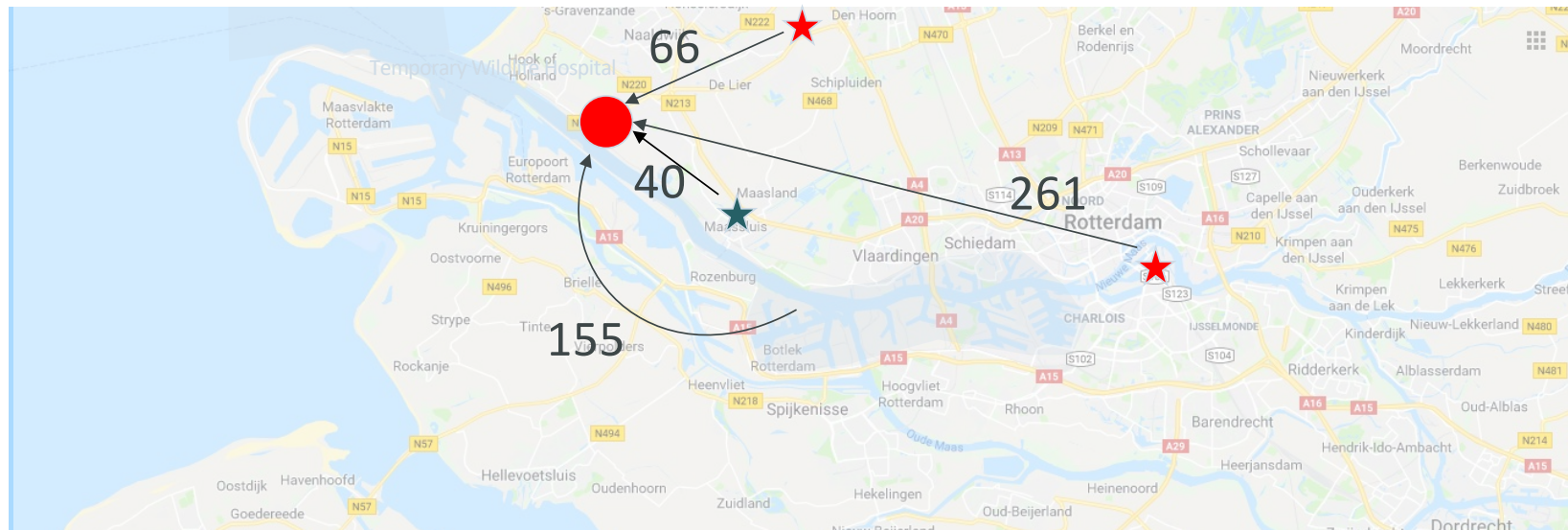
● Temporary wildlife hospital (TWH)

★ Permanent facility

★ Garage (improvised) facility



Oiled swans



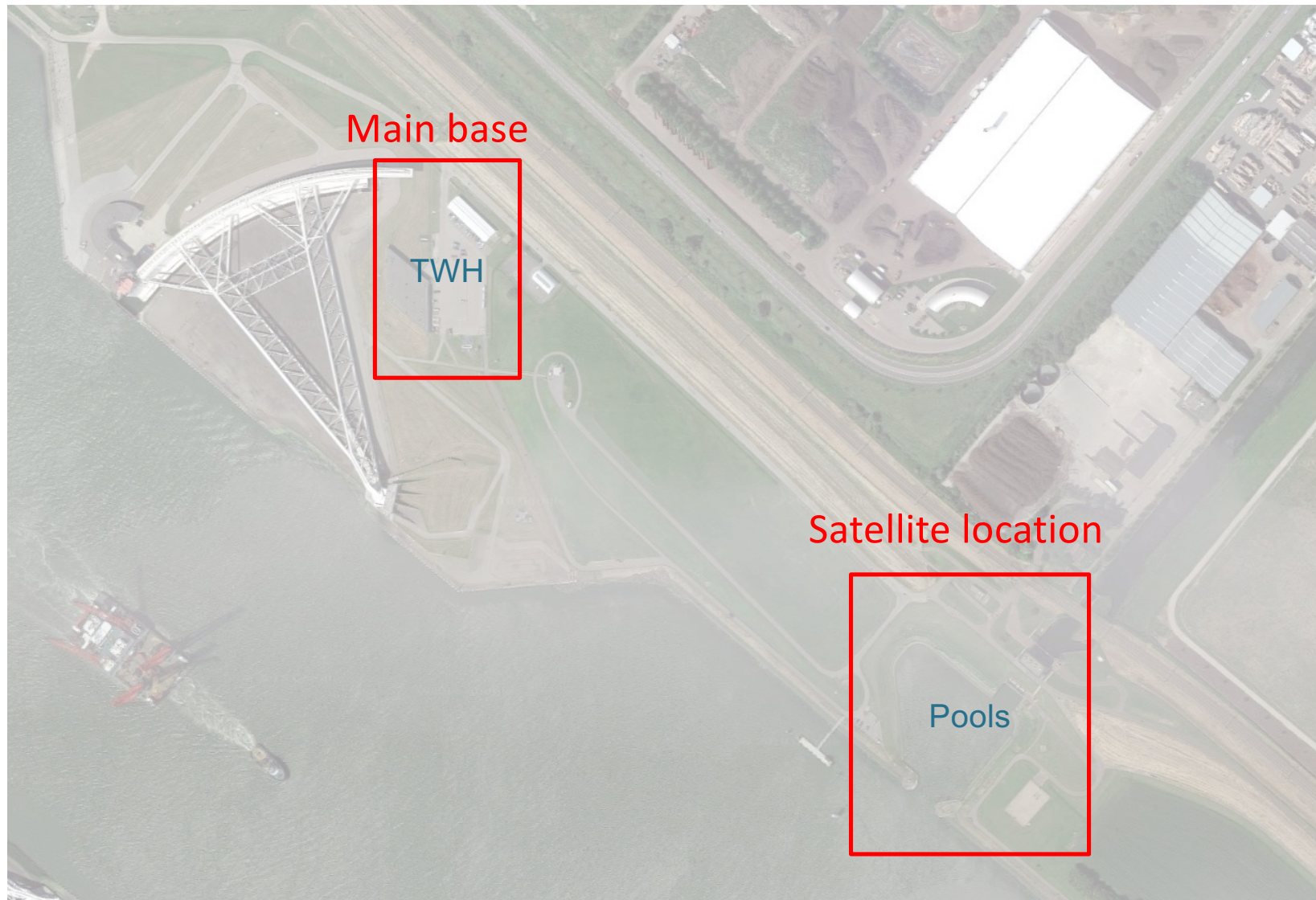
522 Swans oiled captured and taken to a Temporary Wildlife Hospital (TWH)



Maeslant storm surge barrier

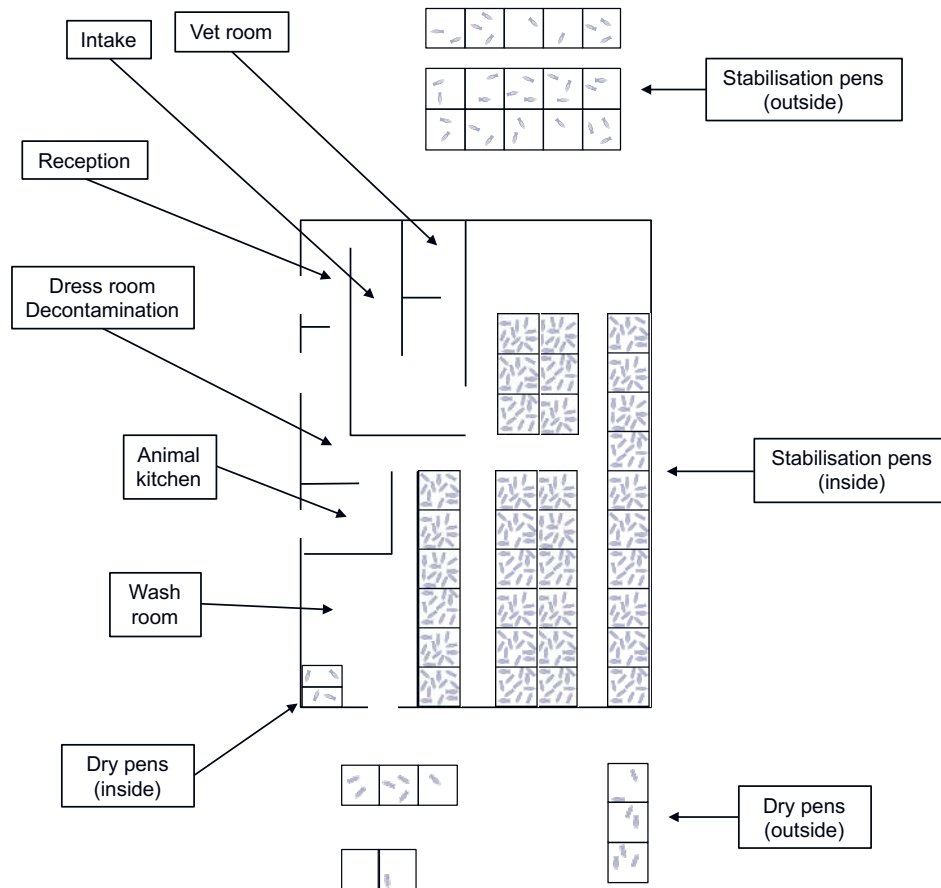
Chosen location for TWH







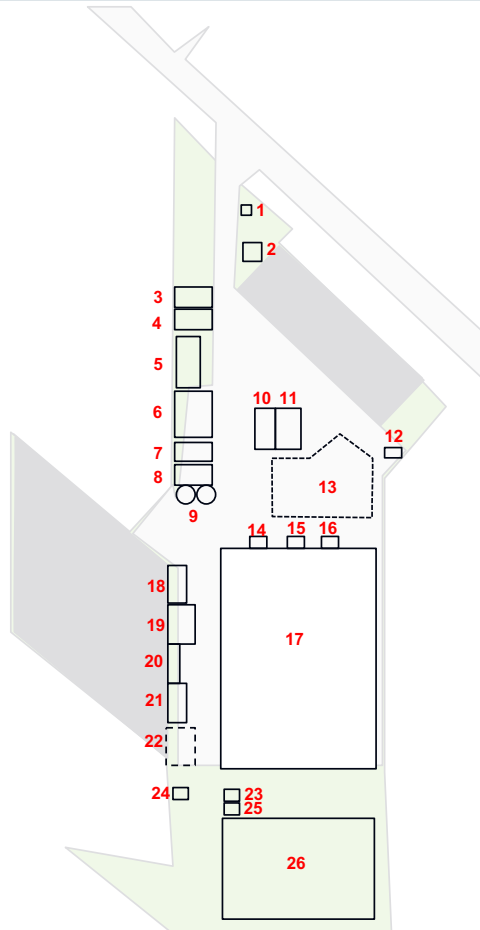
TWH – Main Base



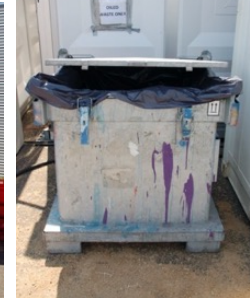
EUROWA Involvement Key
in setting up the TWH



TWH - Main base







Other : Accommodation, subsistence, transportation, parking, communications, training facilities, etc...



Pools – Satellite location





Pools – Satellite location





Final checks



Waterproof check



Biometry/scientific ring



Veterinary check (e.g. blood)



Release

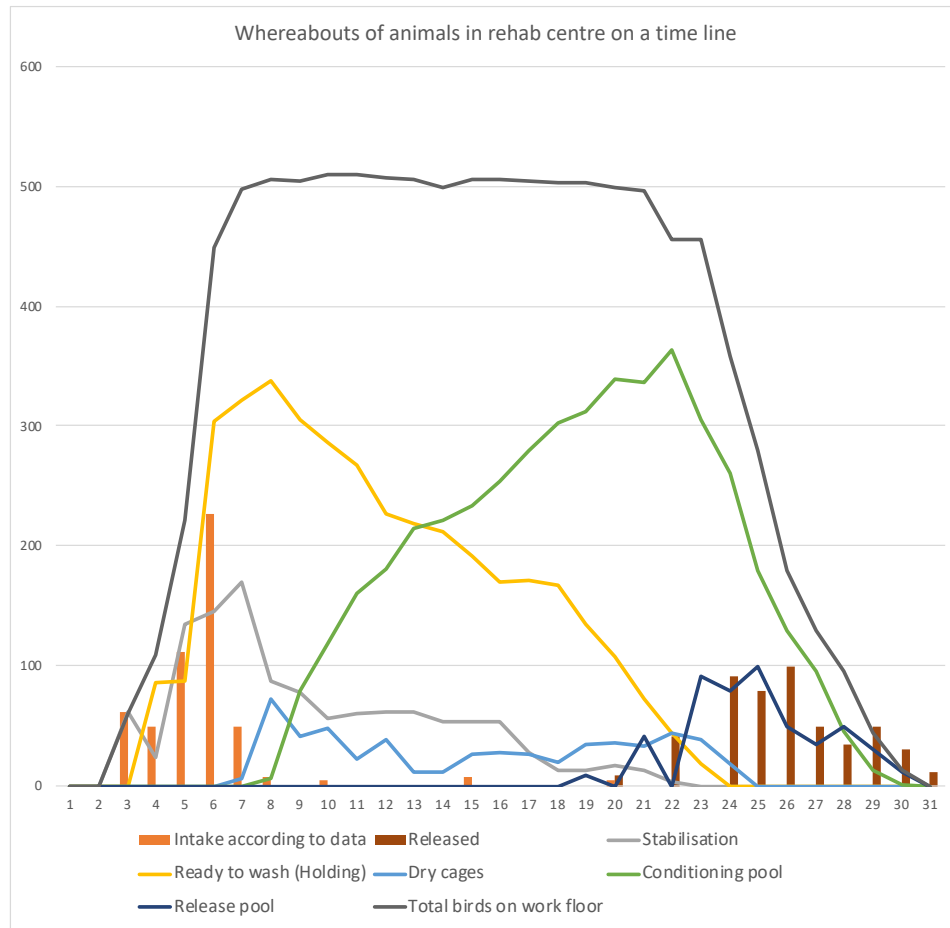




Facts and statistics



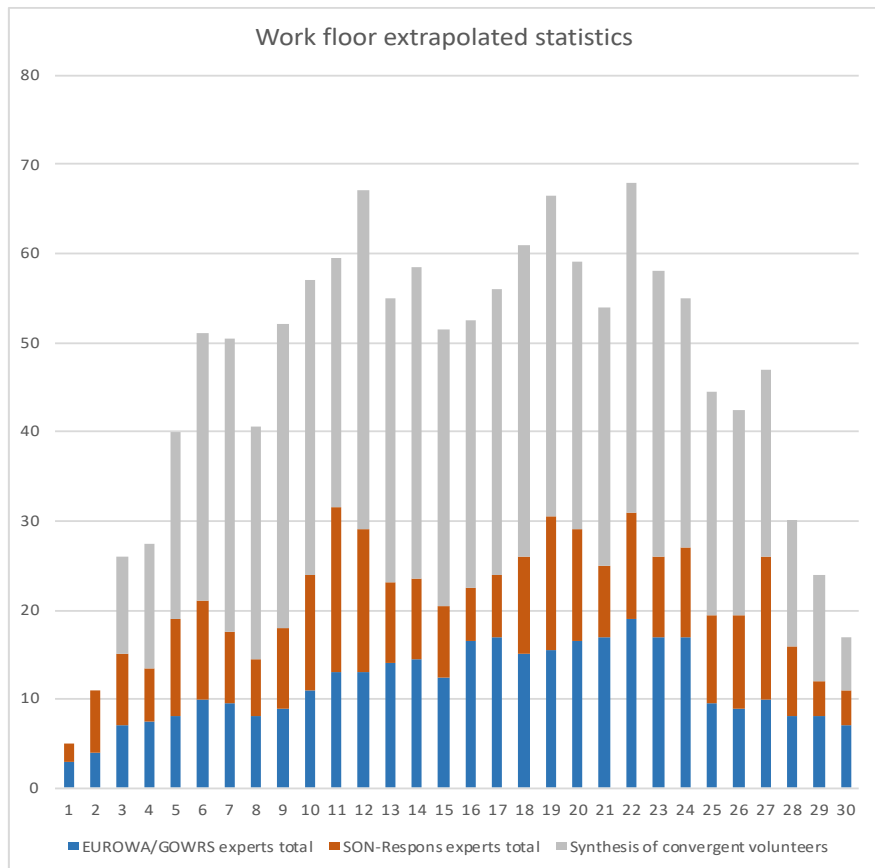
TWH swan population



- 10,401 swan days
- 522 swans intake
- 509 swans release
 - 97.5%
 - Post Release survival via monitoring – 100%



Personnel over time



- 1,387 man days total
 - An average day:
 - 15 international experts
 - 11 pre-trained experts
 - 33 convergent volunteers
- 233 individuals involved
 - **National**, **International** Experts and Volunteers!!!!
 - 27 experts SAF/EUROWA/GOWRS
 - 9 international organisations
 - 64 local experts
 - 8 organisations
 - >142 convergent volunteers



Costs of wildlife response

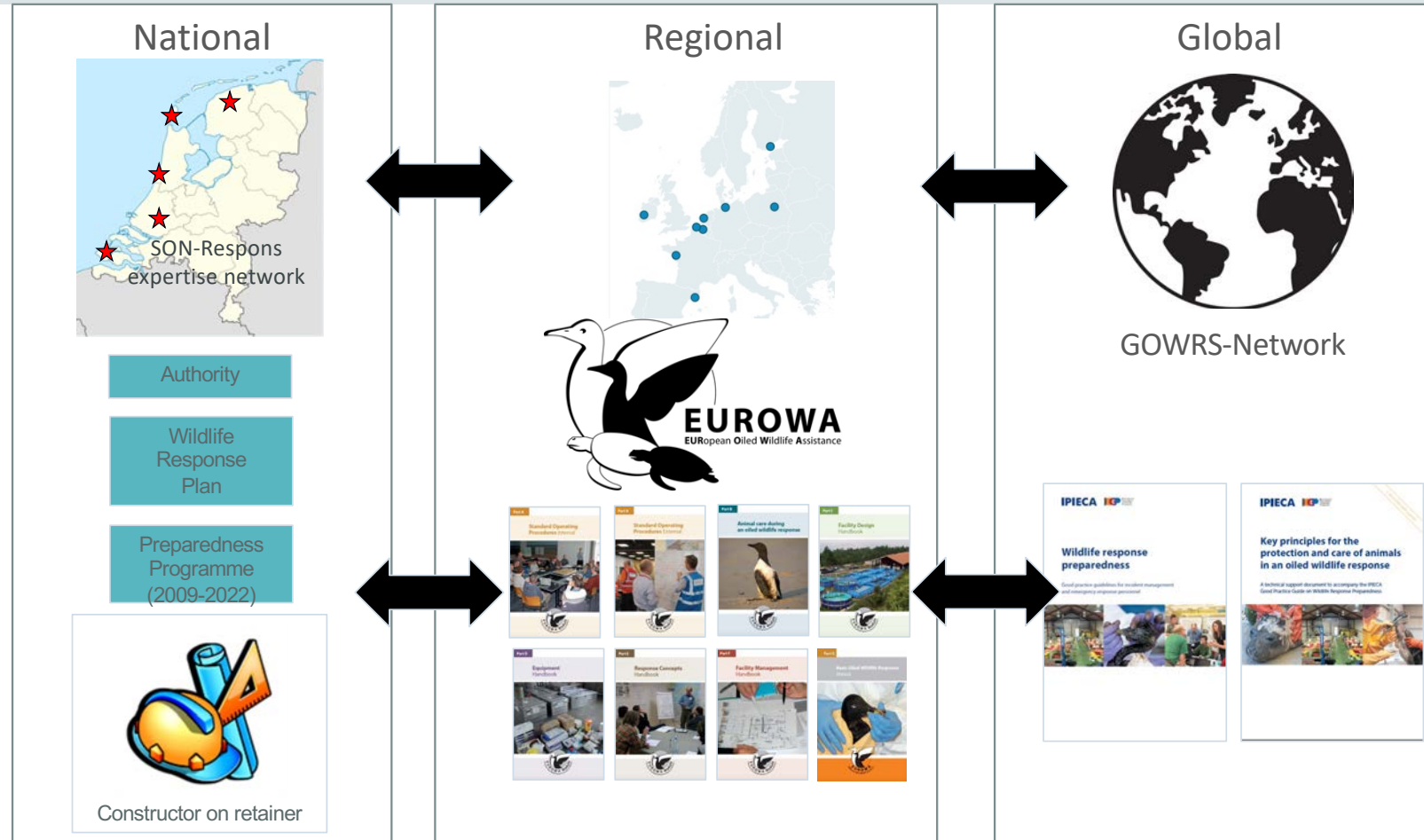
Item	Assessed (Euros)	% of total
Bow Jubail in total	80 mln	100
Wildlife response total	1-1.5 mln	ca. 1.8%
Wildlife work force costs (Fees, travel, expenses)	0.470 mln	ca. 0.6%



Success factors



Success factors





Take away messages

- Temporary Wildlife Hospital is NOT “plug and play”
 - Pre-investments of years
 - Authority taking end-responsibility
 - Contractor 24/7 (local logistics)
- Strength international wildlife preparedness
 - Local - EUROWA – GOWRS
 - Thanks to EU and industry project investments

Film



<https://eurowa.eu/resources/videos/> (3 min video)

Thank you!

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