

# Integrated wildlife response at sea and onshore

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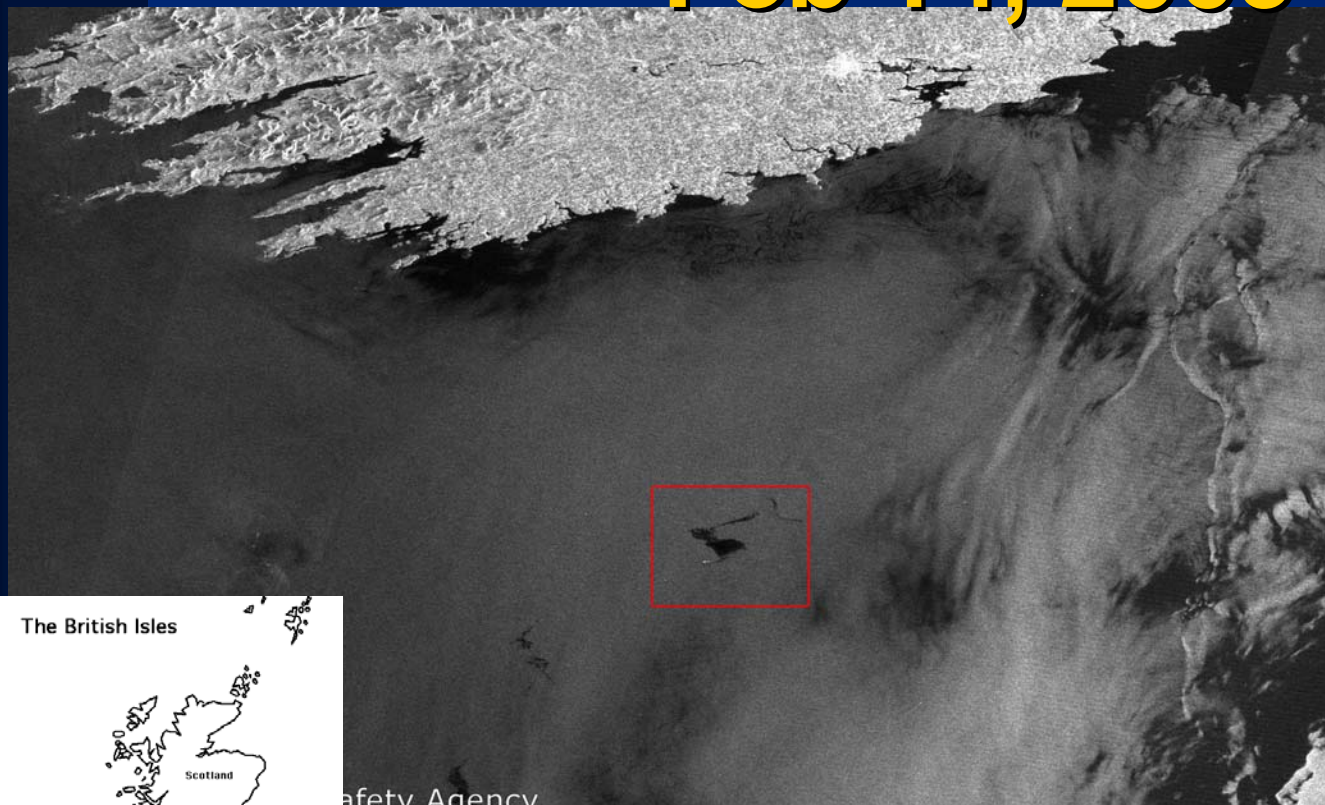


# Contents

- Irish spill February 2009 (case study)
- Oiling of animals
- At sea response
- Onshore response
- Geographical / political issues
- Conclusions

# Russian spill in Irish waters

## Feb 14, 2009



500 tons



Safety Agency

10:53:38 UTC



Admiral Kuznetsov

# Response 14-24 Feb 2009

## UK

- Integrated wildlife plan
- Notification message to wildlife partners
- >12 miles zone: JNCC
- JNCC kept partners informed (inc RSPCA, Sea Alarm)
- 24 Feb: "oil disappeared"

## Ireland

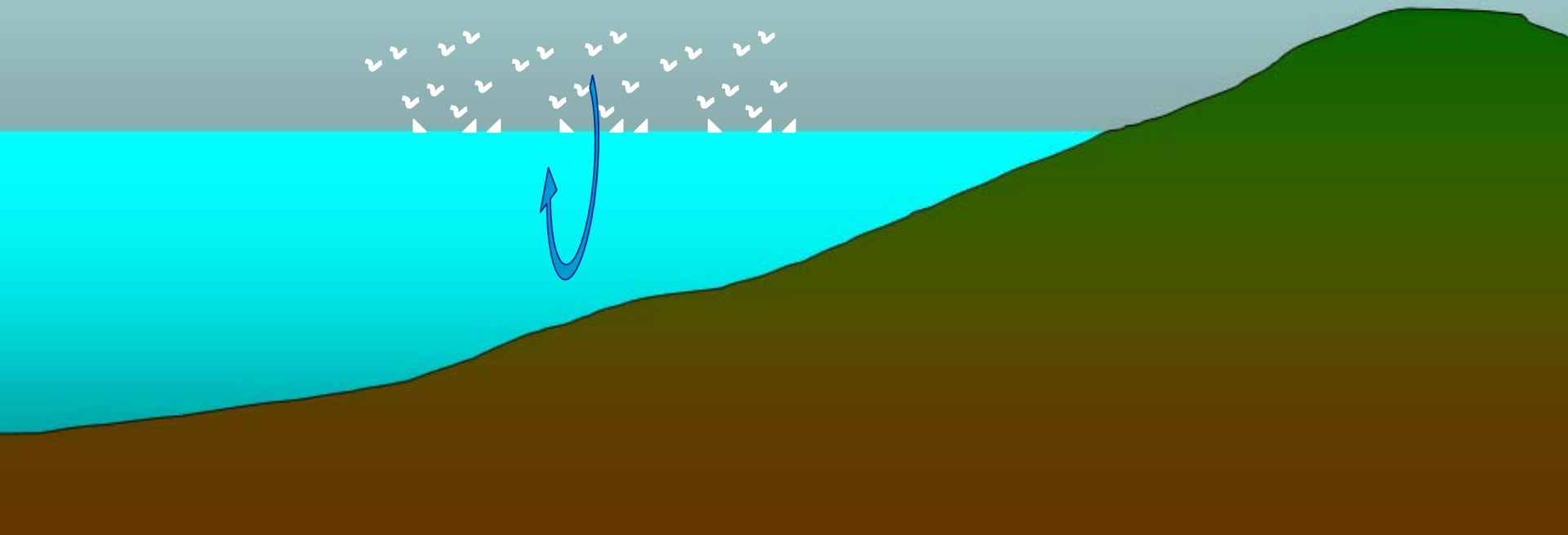
- No wildlife plan
- No info to wildlife groups: what was going on?
- Voluntary response plan
- Wildlife authority no leading role
- Nervousness, media questions

# Oil and wildlife

- What can you do?
  - Offshore
  - Onshore

# Oiling of wildlife

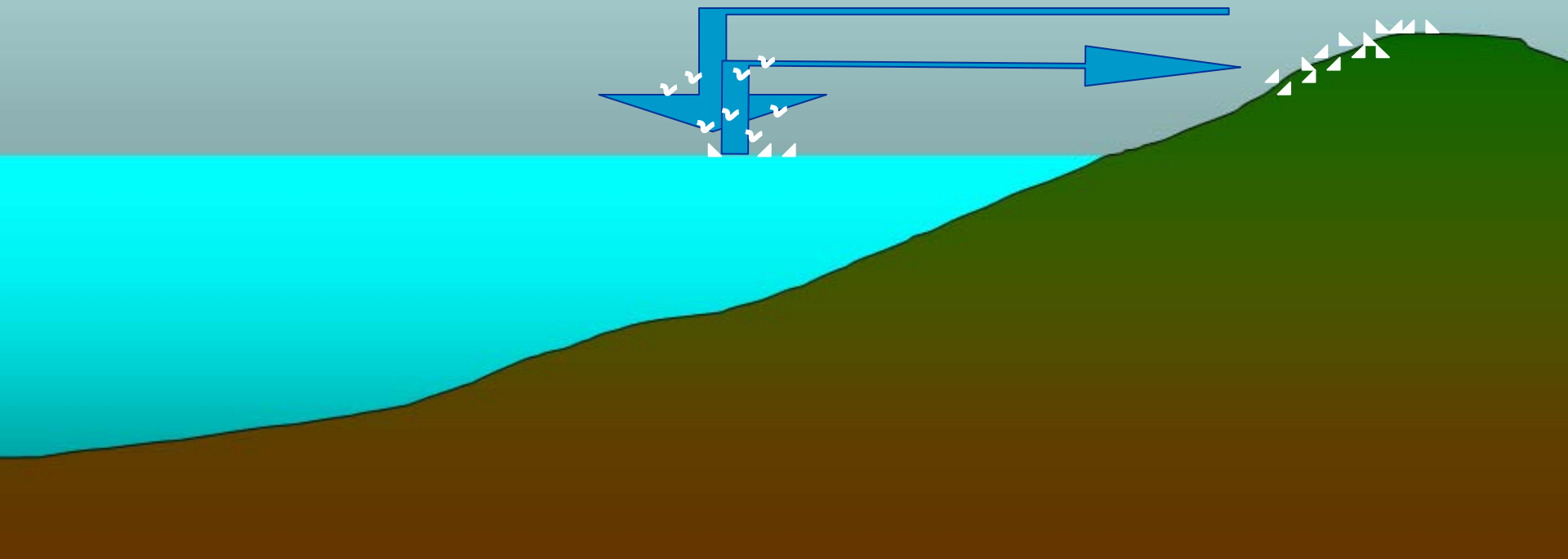
Seabirds



# Oiling of wildlife

Feeding

Breeding colonies



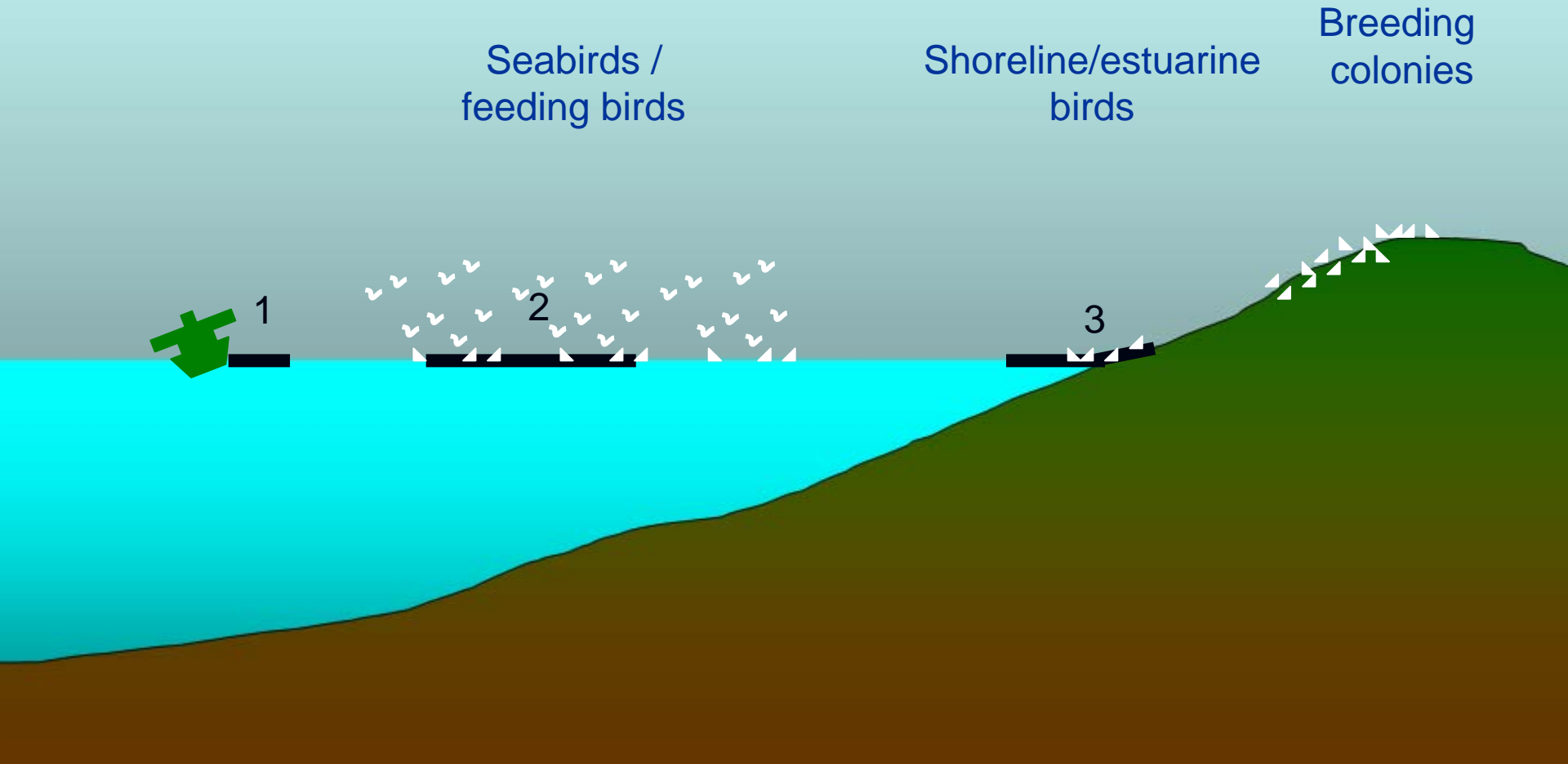
# Oiling of wildlife

Shoreline/estuarine  
birds





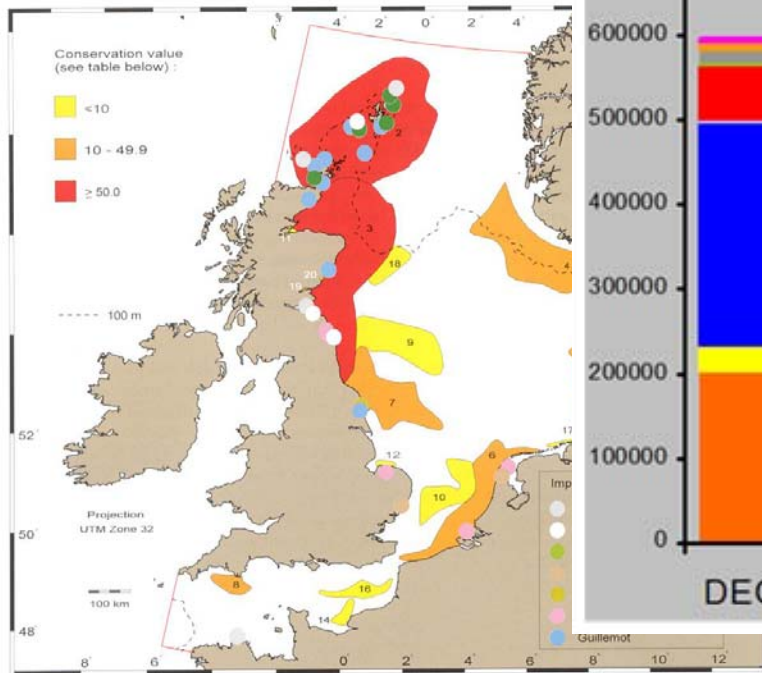
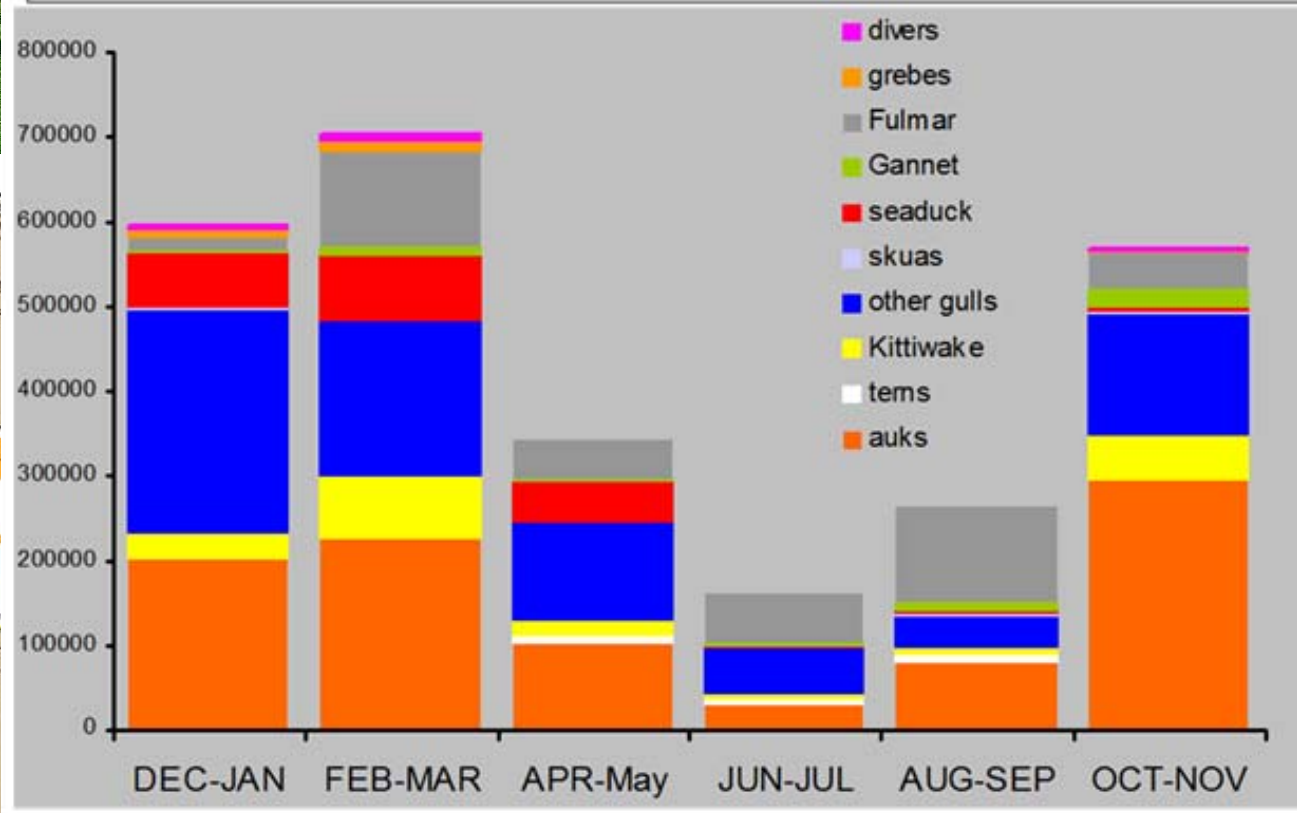
# Oiling of wildlife



# Prevention



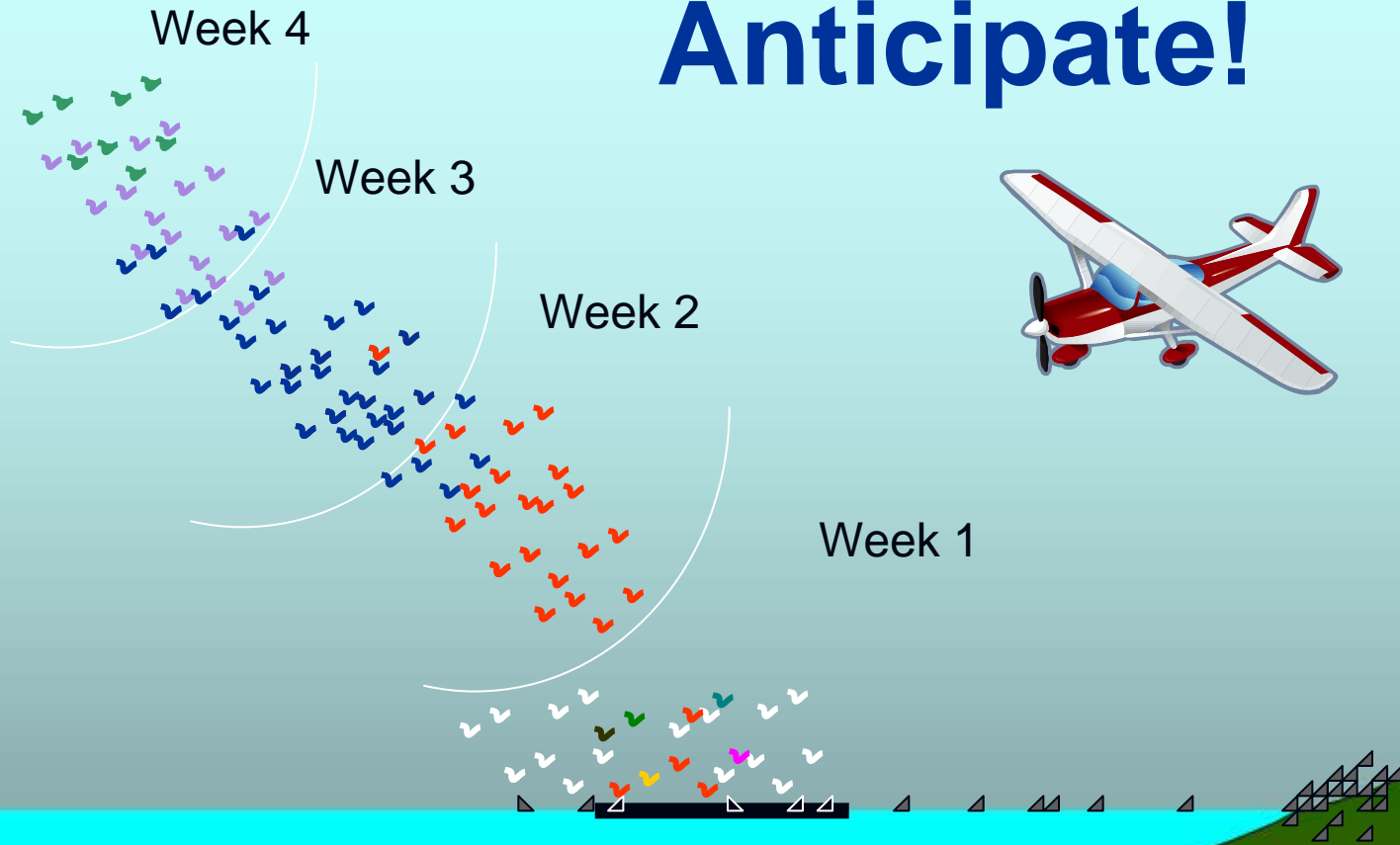
**Bi-monthly fluctuations in seabird abundance Southern North Sea**



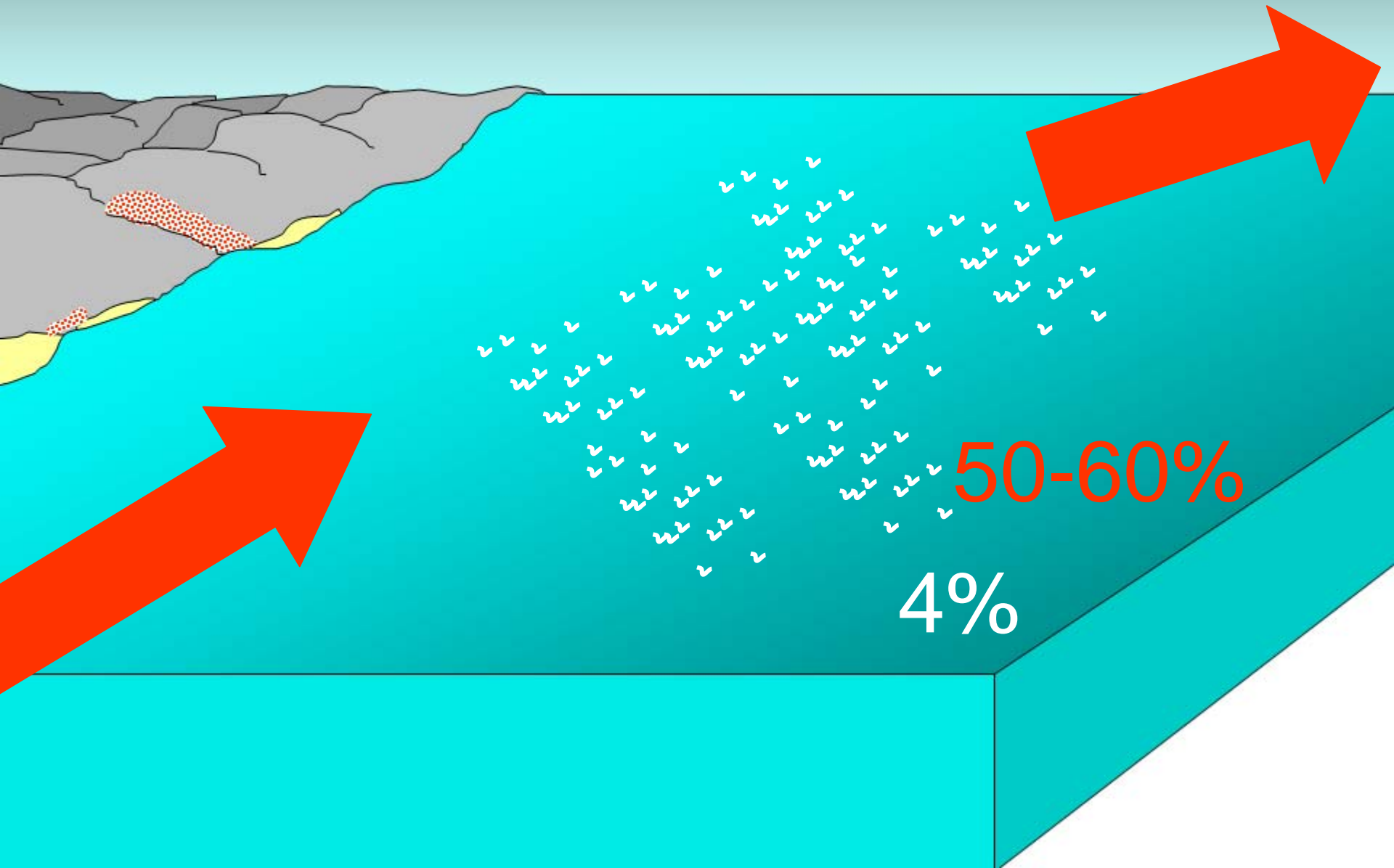
Location and extent of the 20 selected areas and breeding colonies of international importance for seabirds in the North Sea, the Channel and the Kattegat.

Camphuysen, pers. comm

# Anticipate!

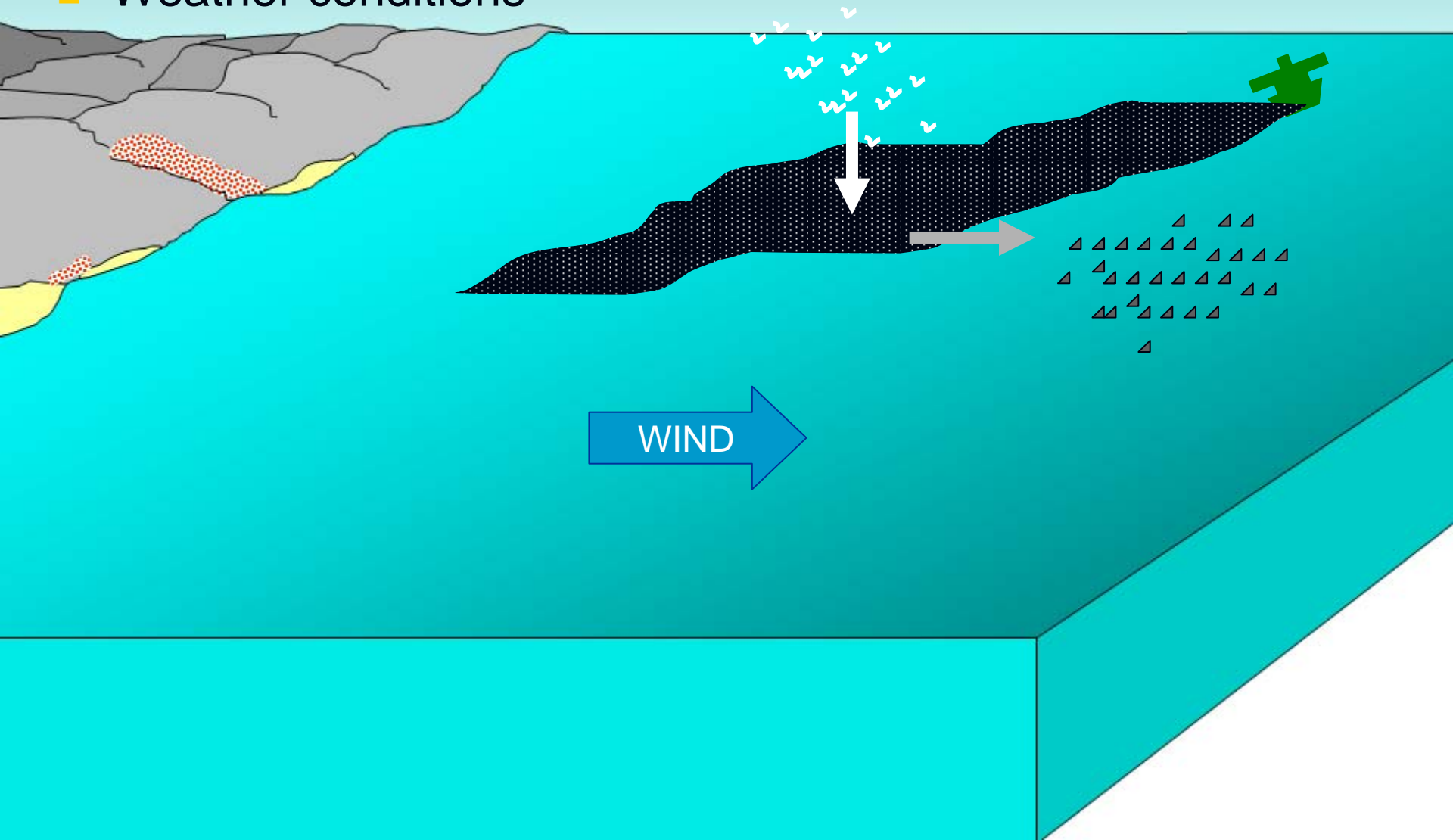


# Impact?



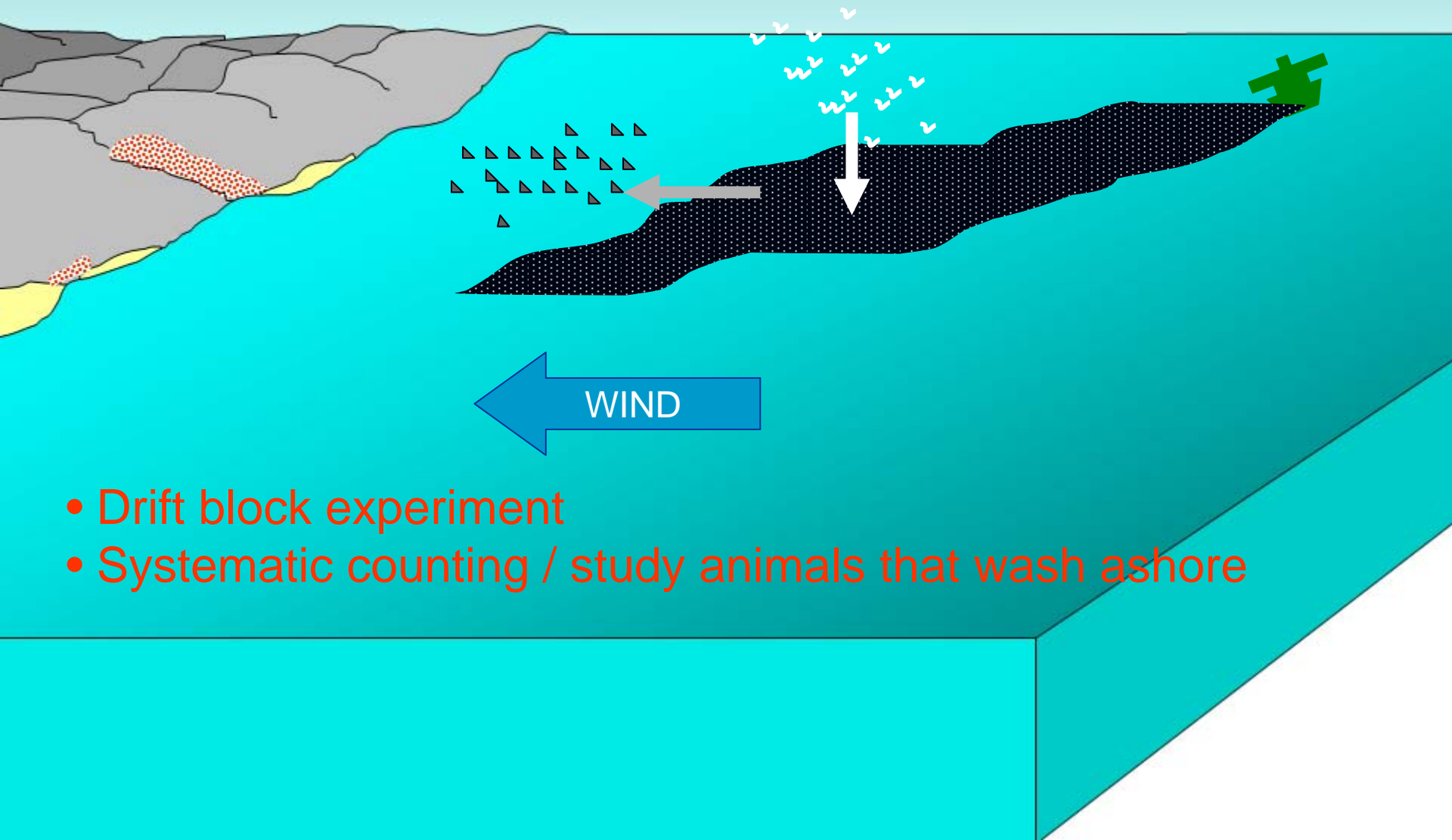
# Impact?

## ■ Weather conditions



# Impact?

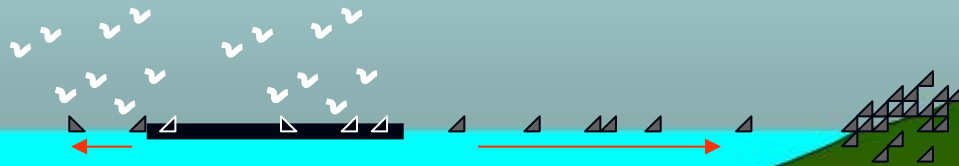
## ■ Weather conditions



- Drift block experiment
- Systematic counting / study animals that wash ashore

# Response

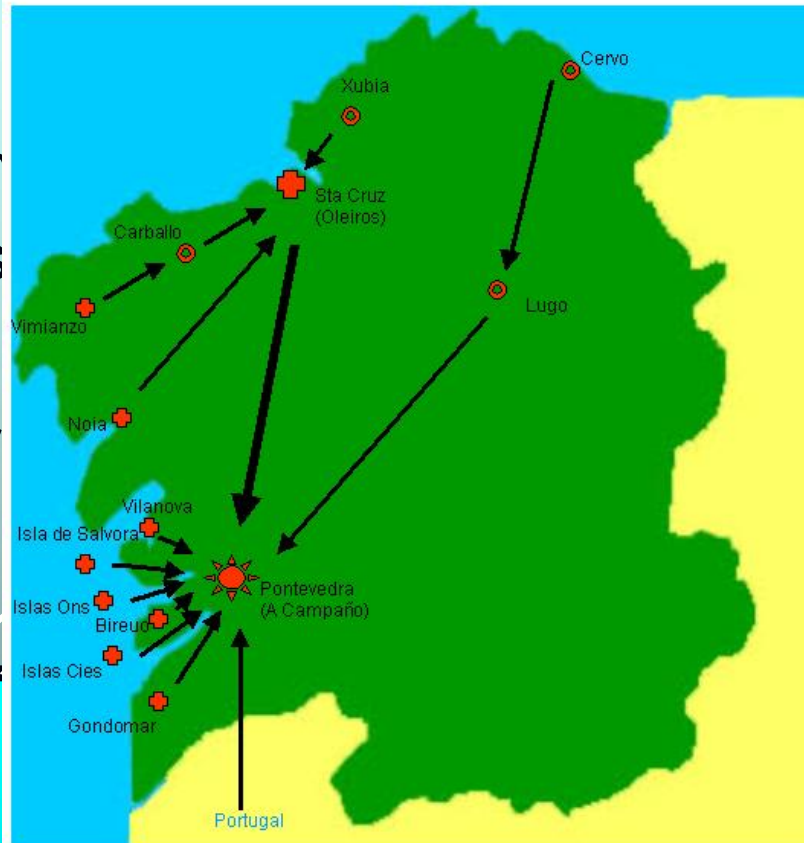
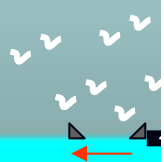
- How many? Media attention?
- Euthanise? Rehabilitate? Why? How? By whom?
- Species of conservation importance?
- Involvement wildlife authorities needed!





# Response

- Health and safety
- Systematic search
- Collection animals
- Transport people/
- Integration into lar



Holding facility



First aid center



Washing and rehab centre

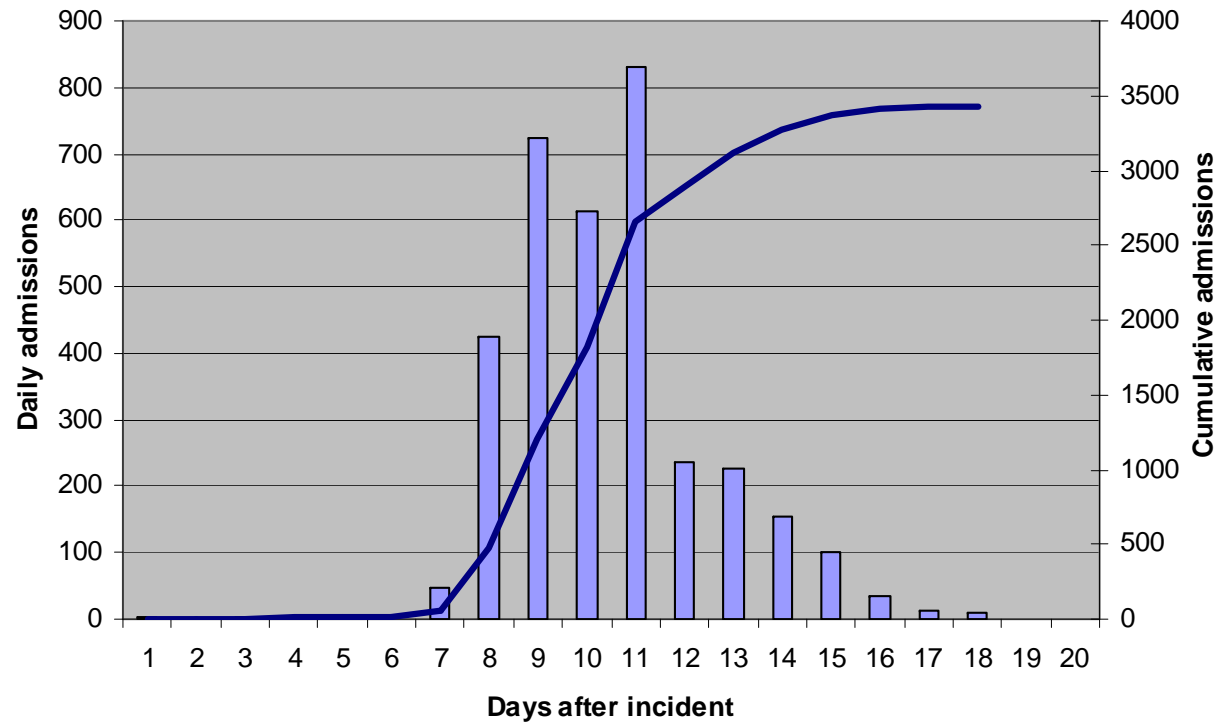


Transportation node

ment)



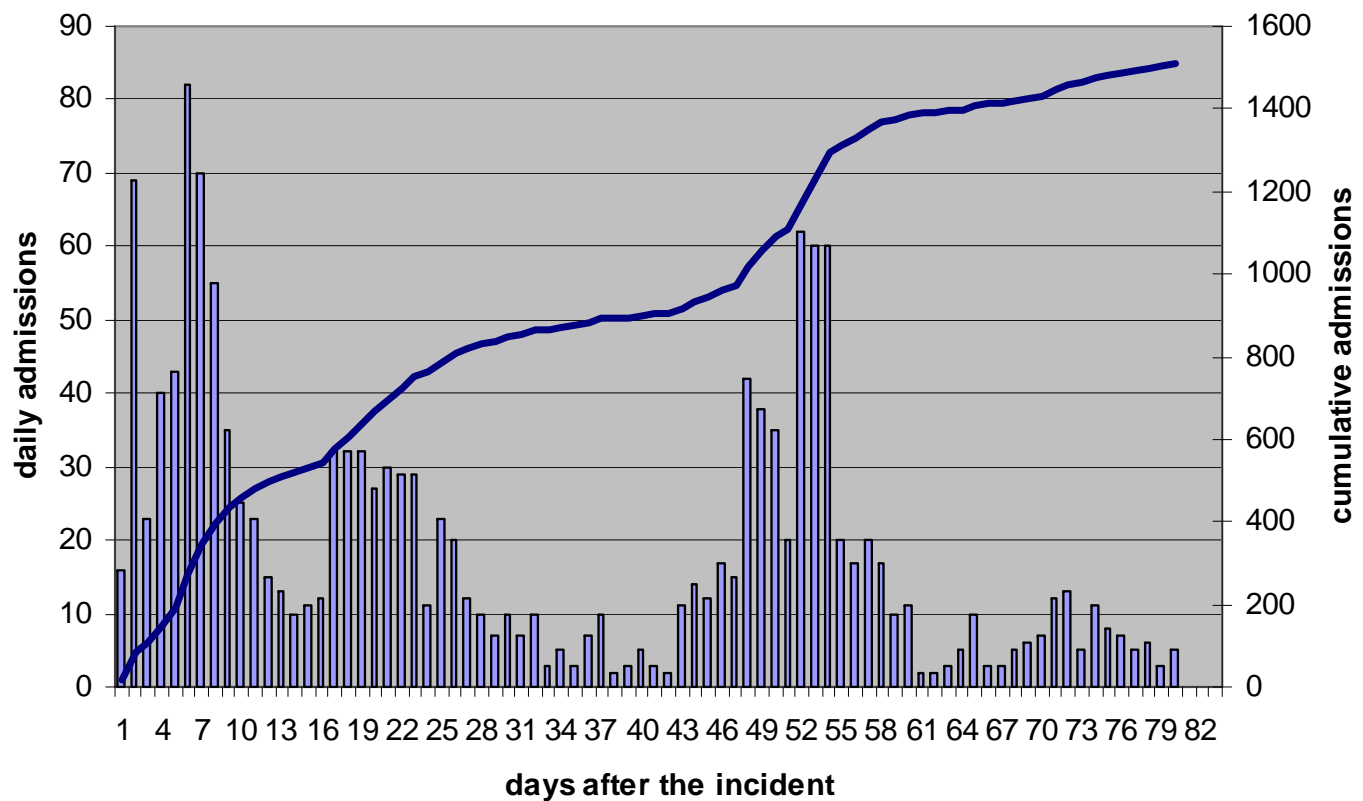
# Response



## Sea Empress (1996)

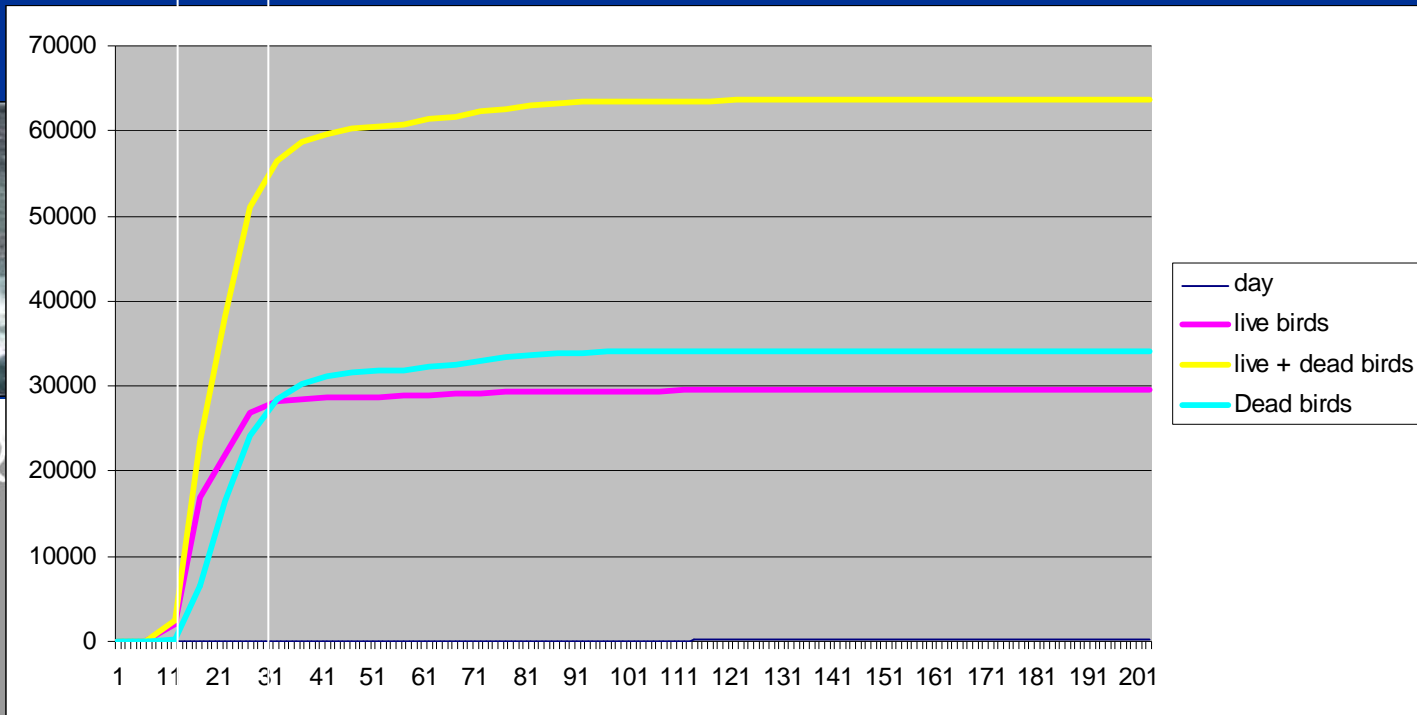
# Response

## Prestige (2002)



# Response

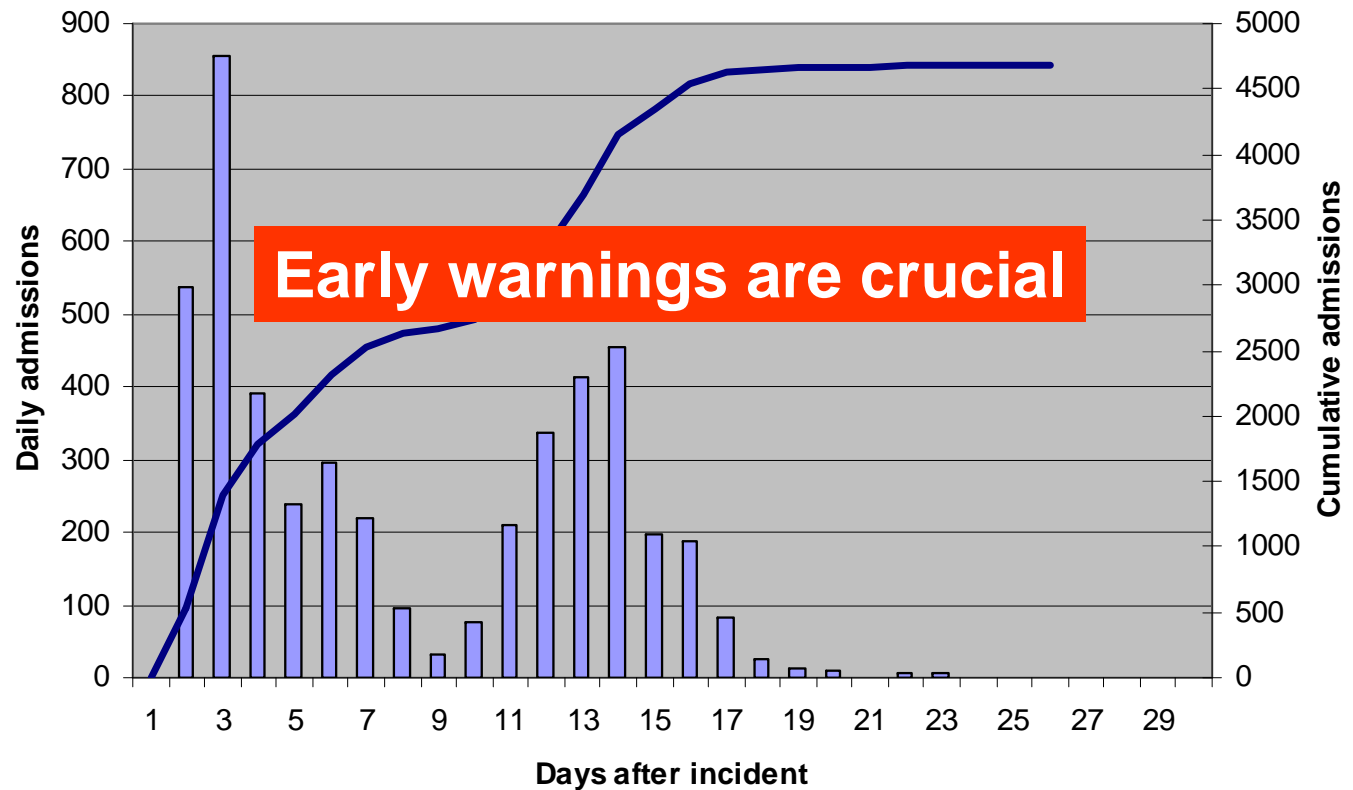
## Erika (1999)

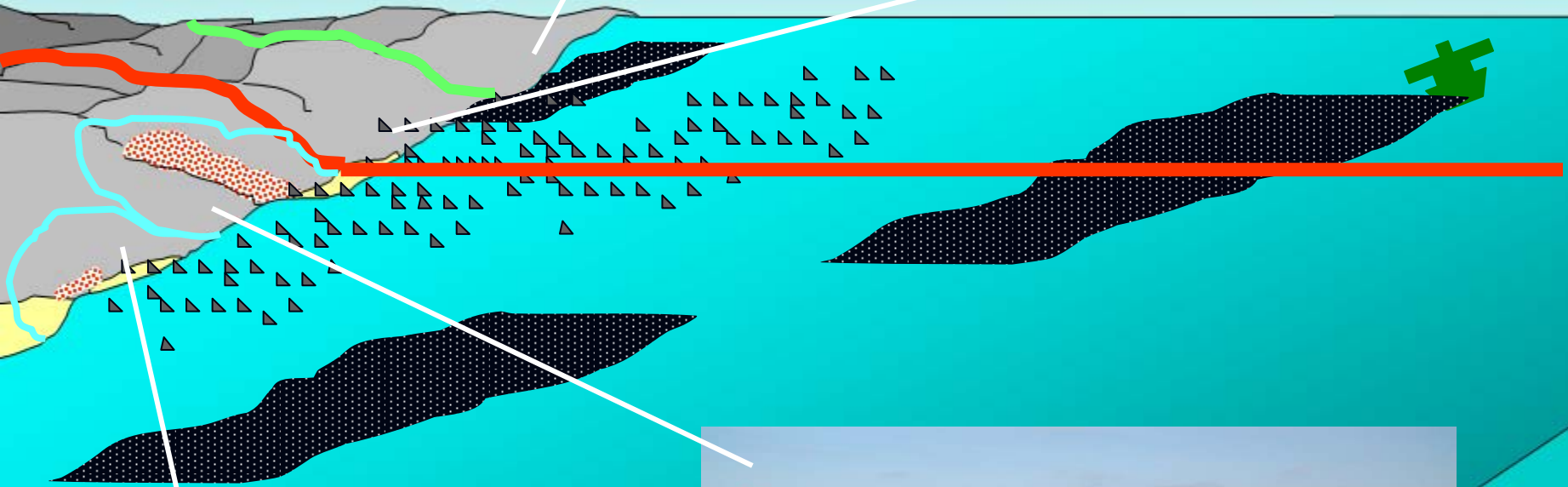


20 days, 1500 live birds per day, 1500 dead birds per day

# Response

## Tricolor (2003)





# Conclusions

Success wildlife response is dependent on level of integration!

- Offshore-onshore issues:
  - Sensitivity mapping / prevention
  - Observation / communication / anticipation
- Shoreline issues
  - Shoreline cleanup – wildlife collection
- Authorities
  - Oil spill combat – wildlife conservation – animal welfare
  - Authority – NGO cooperation (volunteers)
- Geographical / political issues
  - Common objectives
  - Consistency in approach