

WIND ENERGY WITHIN THE INSTITUTIONAL FRAMEWORK FOR THE PROTECTION OF BIODIVERSITY

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Map of Europe showing the percentage of the population that is a member of a religious community (blue bars) and the percentage that is not a member (red bars) for various countries. The map includes data for countries like Iceland, Norway, Sweden, Finland, Denmark, Germany, Poland, Czech Republic, Slovakia, Hungary, Austria, Switzerland, Italy, Greece, Turkey, and Russia. The legend indicates that blue bars represent 'Member of a religious community' and red bars represent 'Not a member of a religious community'.

Country	Member of a religious community (%)	Not a member of a religious community (%)
Iceland	5	34%
Norway	29	28%
Sweden	15	25%
Finland	6	14%
Denmark	0.3	8%
Germany	12	12%
Poland	0.1	3%
Czech Republic	2	N/A
Slovakia	1	N/A
Hungary	0.3	1%
Austria	12	13%
Switzerland	0.1	1%
Italy	0.4	19%
Greece	1	4%
Turkey	12	10%
Russia	0.2	6%

17%
of Europe's
electricity demand

Wind[®]
EUROPE

- GW installed

● Wind share of electricity demand



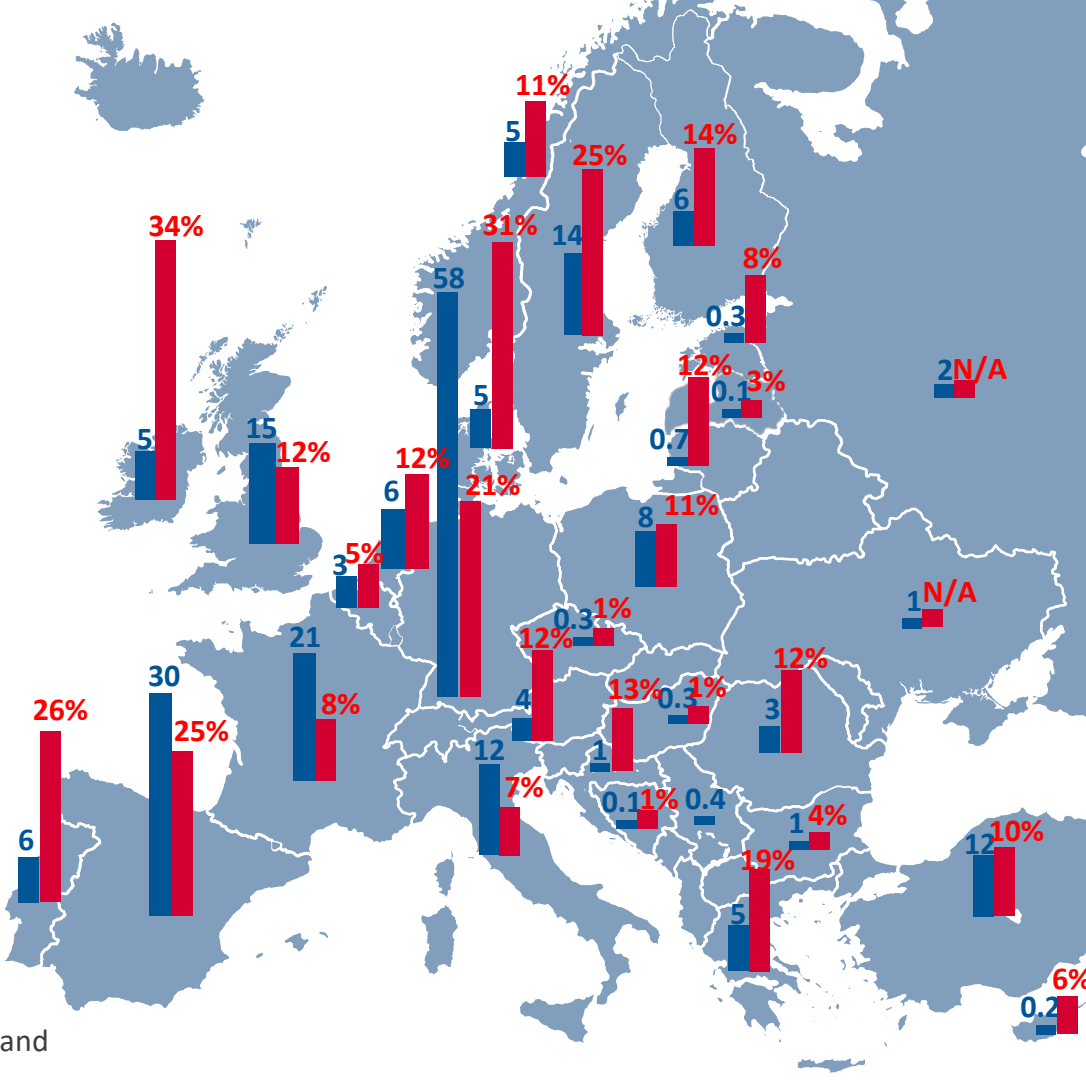
Onshore wind in Europe

224 GW

14%
of Europe's
electricity demand



- GW installed
- Wind share of electricity demand

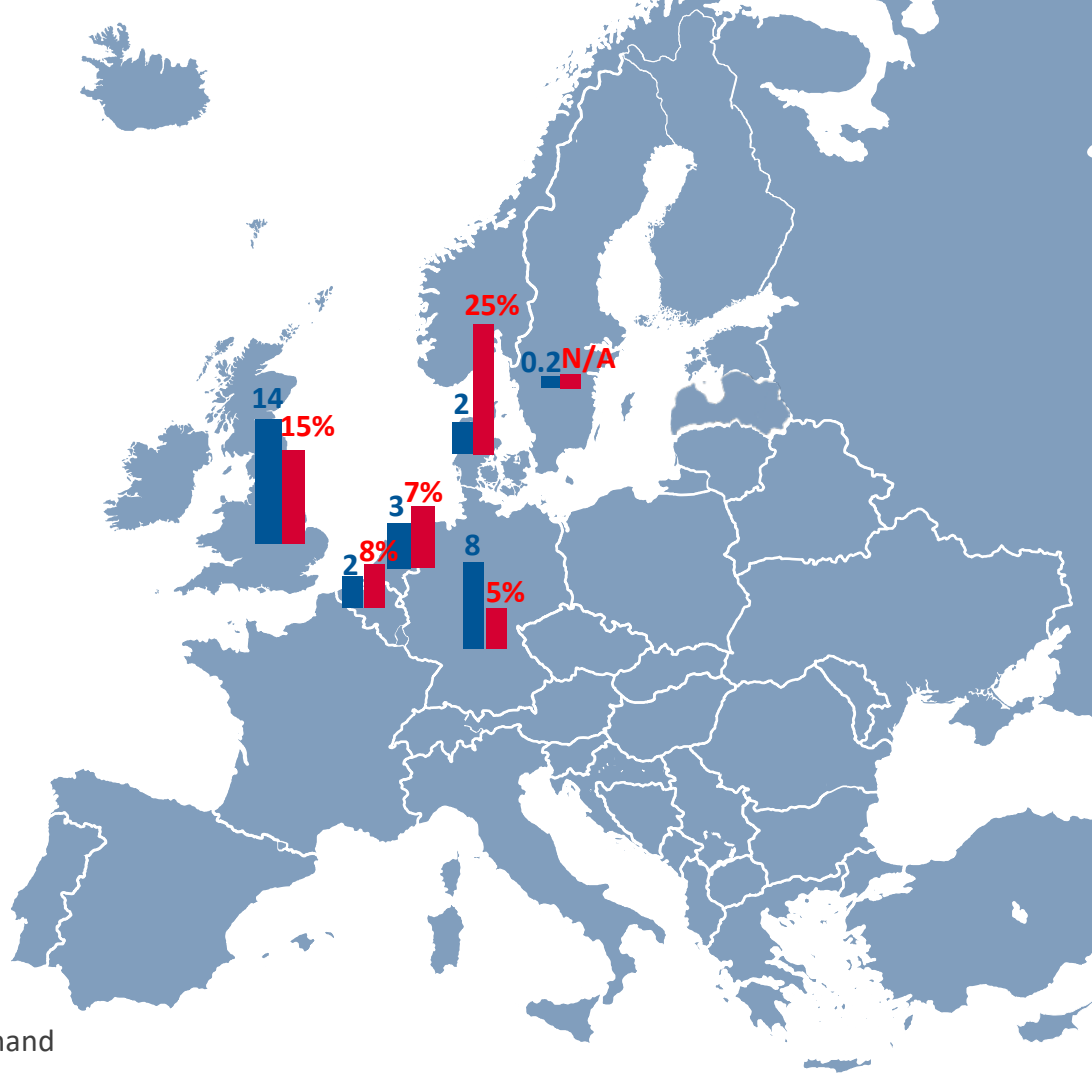


Offshore wind in Europe

31 GW

3%

of Europe's
electricity demand





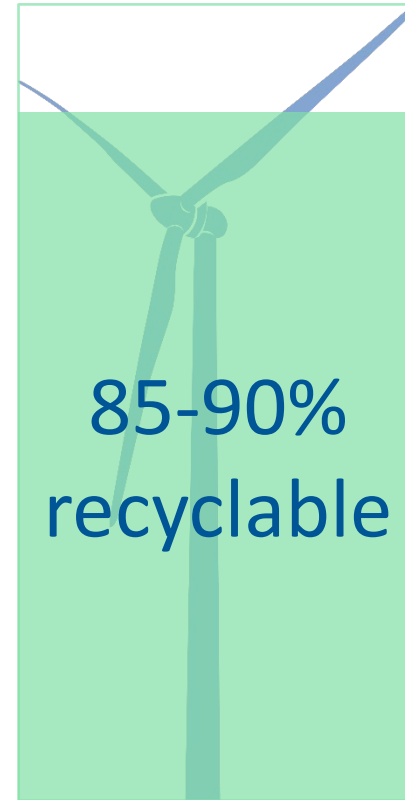
Wind is clean and sustainable

Energy amortization time for construction, operations and disposal

Wind



5 to 8 months





We can prevent most impacts by adequately planning, siting, and designing wind farms

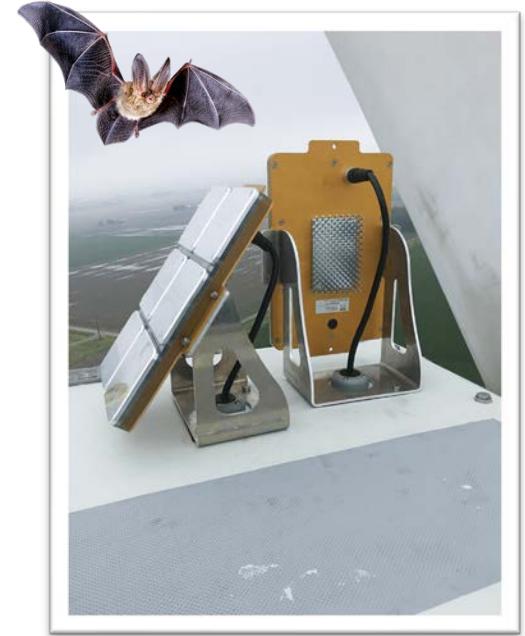


Environmental
Impact Assessment

Appropriate
Assessment



We take additional measures to mitigate impacts during the operation of a wind farm

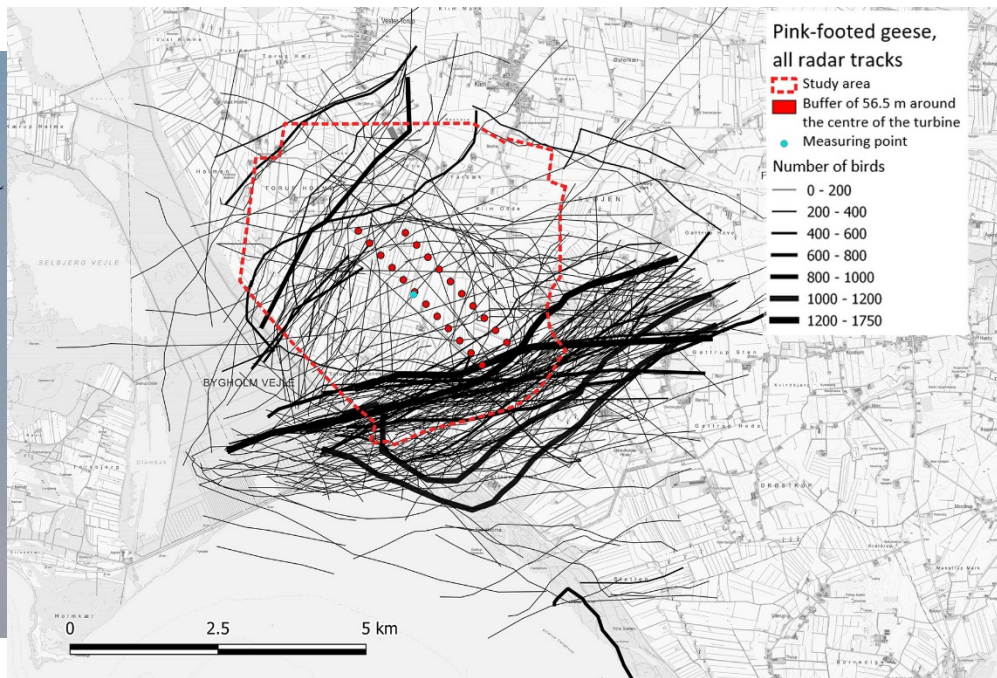


We compensate impacts through restoration projects and offsetting

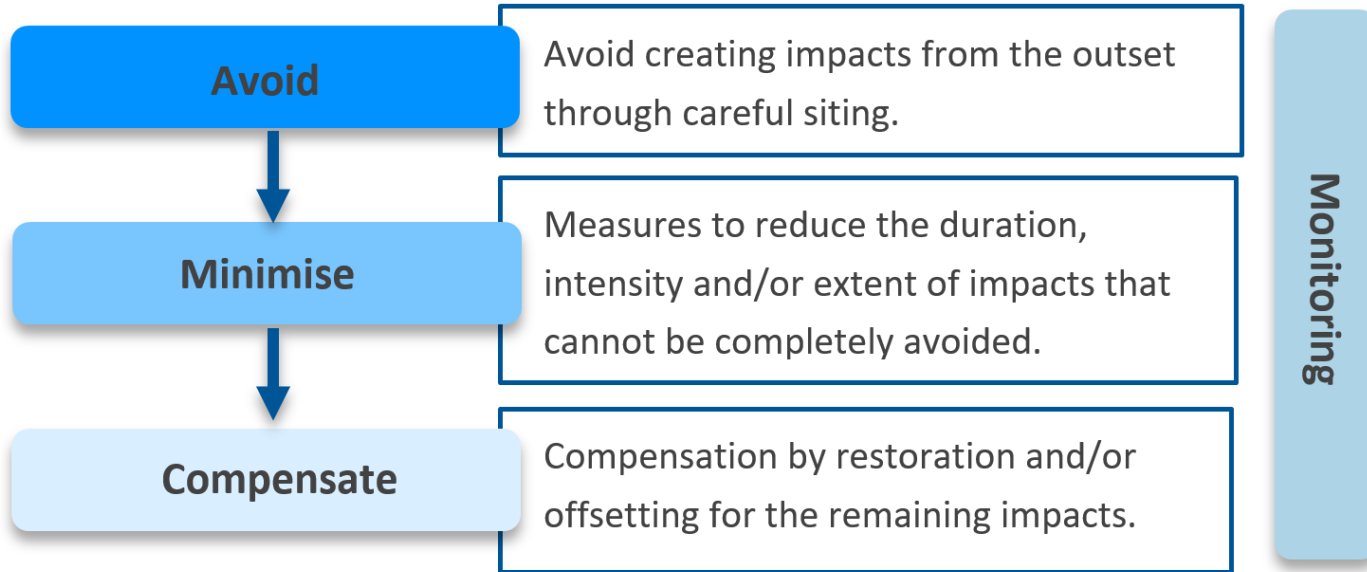
Sark: Wind farm firm suggests rat cull to protect seabirds



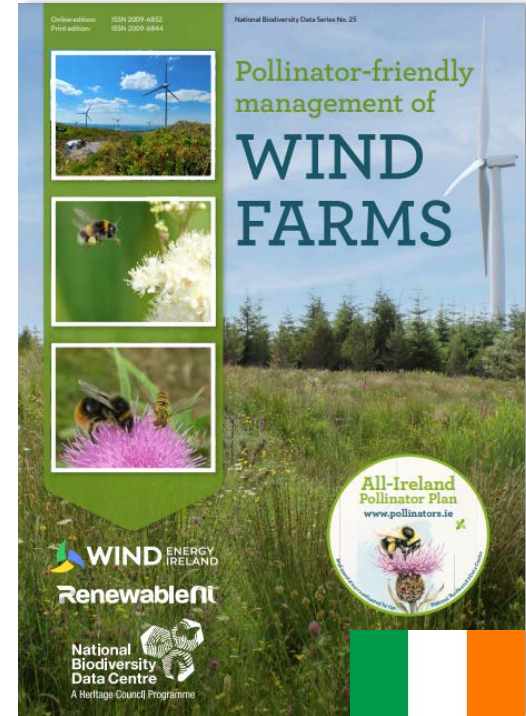
Continuous monitoring



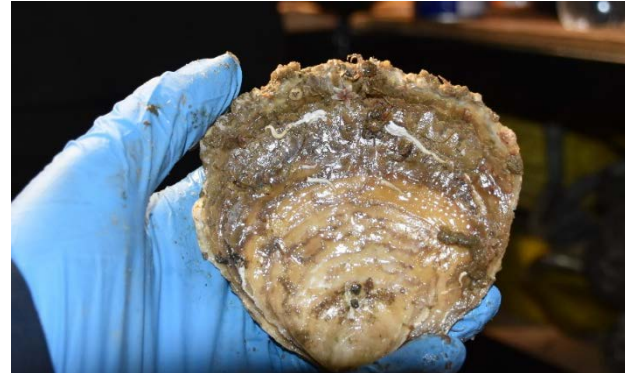
Mitigation Hierarchy



Wind and biodiversity work hand in hand



Wind and biodiversity work hand in hand



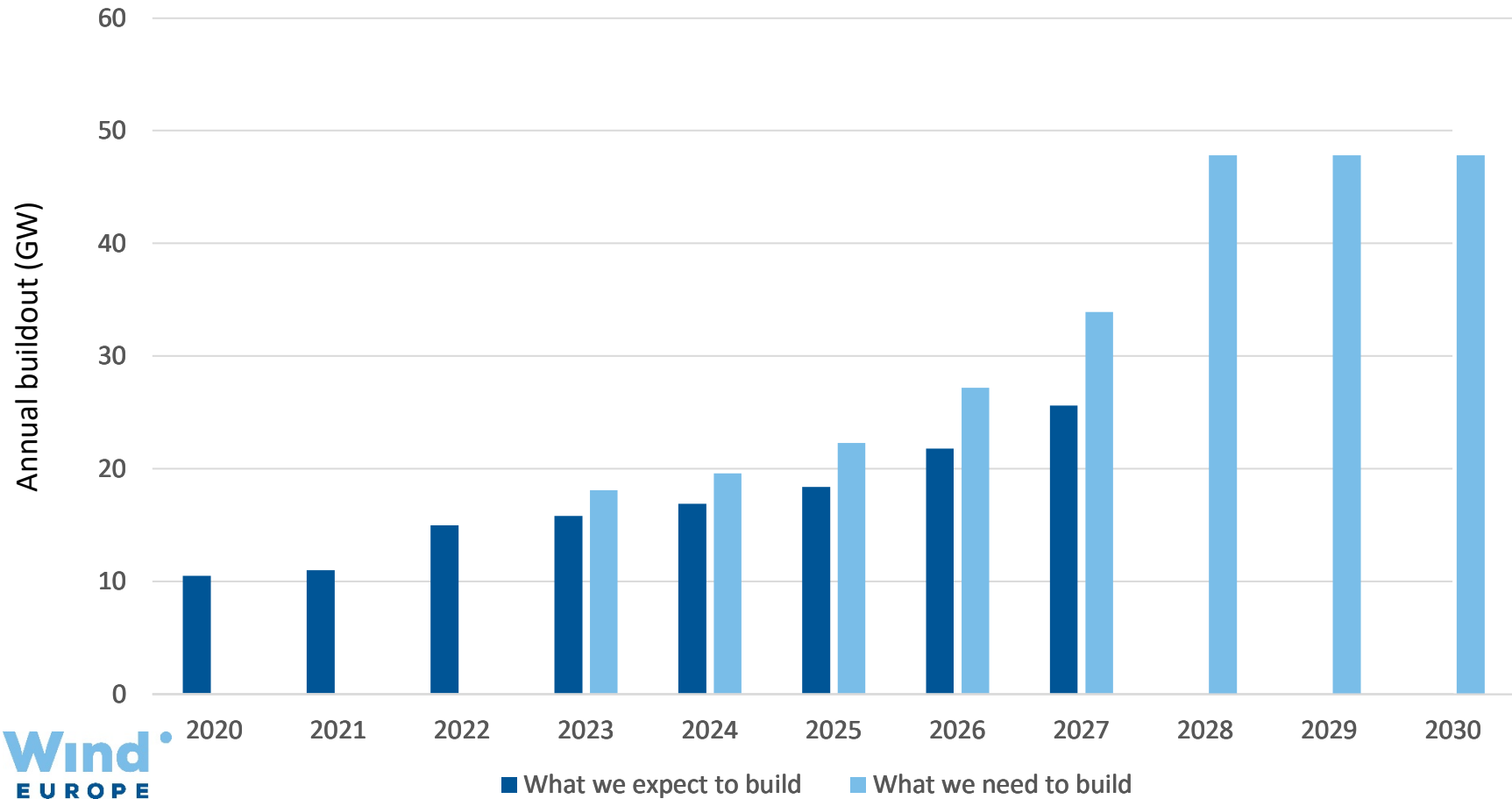


Climate & energy security = Europe's priorities





Europe isn't building enough wind





We need to improve permitting

Emergency
Regulation



Renewable
Energy
Directive

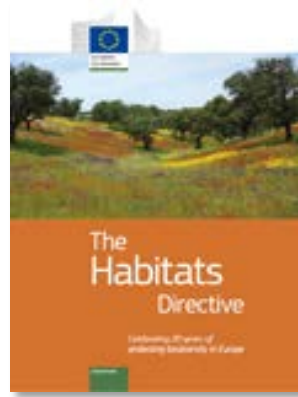


Overriding public interest

Population based approach

Clarity on 2-year deadline

Nature protection legislation & wind energy



30% land and sea
= some form of
protection

10% of which
strictly protected





Overriding Public Interest



Environmental Impact
Assessment
/ Appropriate Assessment

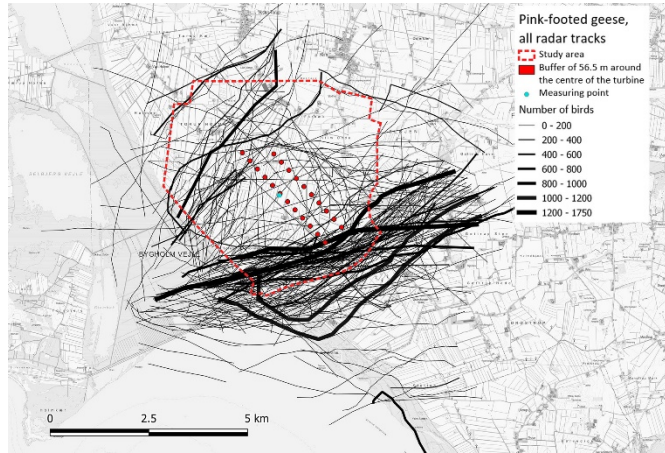
Art. 6.4 Birds &
Habitats:

- Overriding interest
- No alternative option
- Mitigation/compensatory measures





Population-based approach



Wind farms as active restoration areas



OCEaN's Statement on the upcoming EU Restoration Law

Jun 14, 2022

NGOs, wind industry and Transmission System Operators (TSOs), working collaboratively in OCEaN, call for a strong EU Restoration Law with clear and quantifiable legally binding targets, as well as implementation and enforcement rules that enable ecologically-sound offshore wind and electricity deployment.



THANK YOU

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EUROPE

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