

# Conservation and restoration of coastal dune habitats in the Atlantic region

**The Dune Roadmap V4.0 2023-2027**

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# Some dune habitats in the Atlantic region





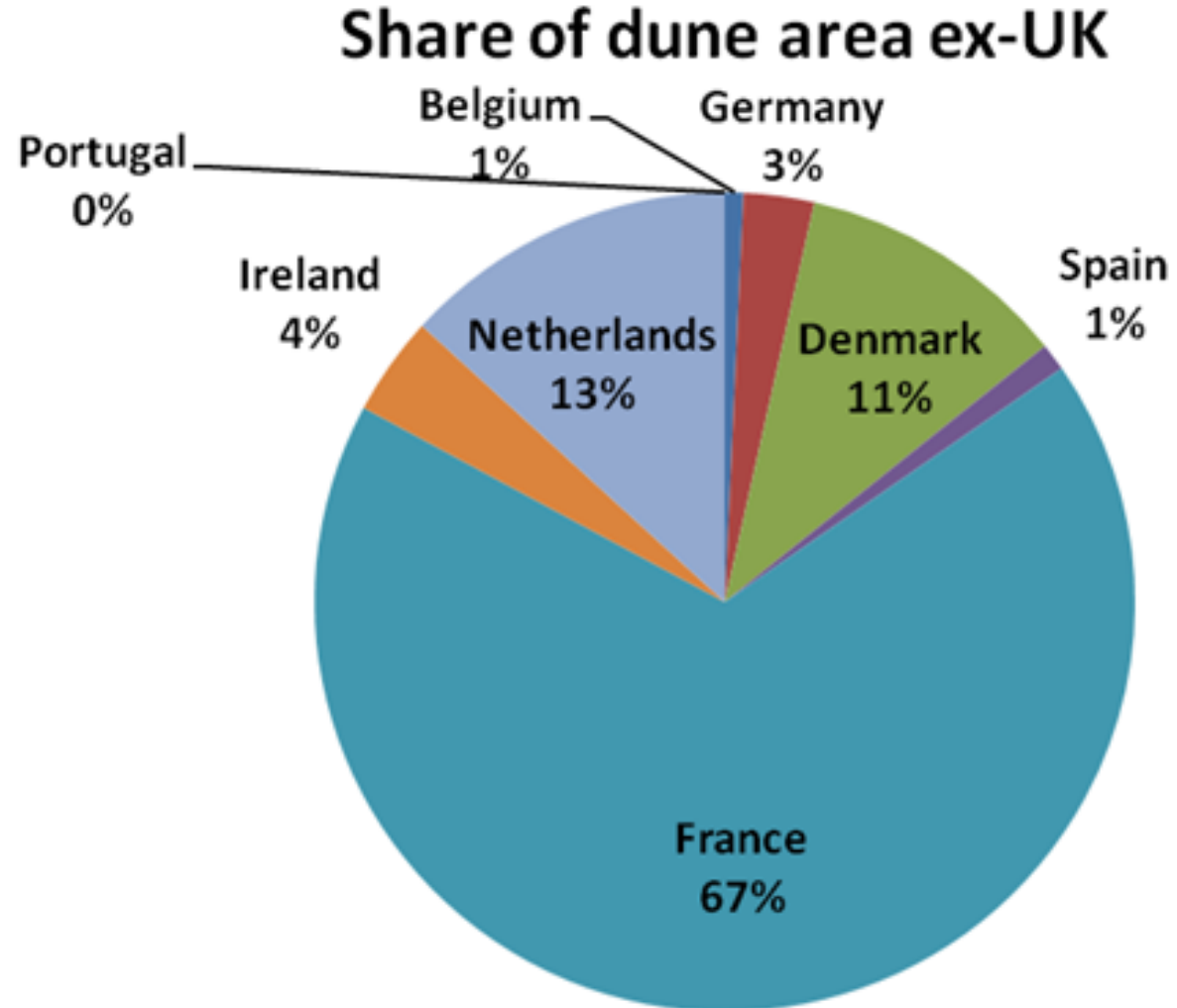
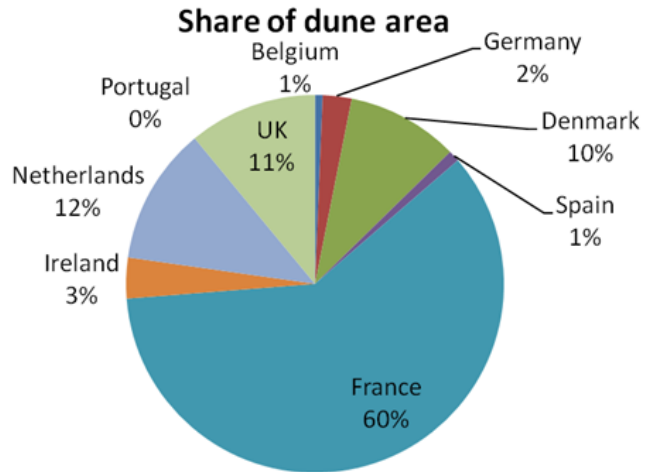
# distribution and condition of dune habitats in the Atlantic region 2013-2018

Habitat	Habitat code	Area (ha)	Overall ATL assessment
Embryonic shifting dunes	2110	5,456	U1 poor
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes)	2120	28,232	U1 poor
Fixed coastal dunes with herbaceous vegetation (grey dunes)	2130*	117,321	U2 bad
Decalcified fixed dunes with <i>Empetrum nigrum</i>	2140*	23,377	U1 poor
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetea</i> )	2150*	2,271	U2 bad
Dunes with <i>Hippophae rhamnoides</i>	2160	14,439	FV good
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	2170	4,136	U1 poor
Wooded dunes of the Atlantic, Continental and Boreal Region	2180	129,807	U1 poor
Humid dune slacks	2190	14,751	U2 bad
Machairs (* in Ireland)	21A0	14,768	U1 poor
<b>Total for Atlantic region</b>		<b>354,558</b> (Incl. UK)	

FV= Favourable; U1 = Unfavourable-inadequate; U2 = unfavourable-bad

Source :State of Nature Report 2020

# impact of the UK leaving the EU





# a Roadmap for coastal dune habitats : Why?

- With the total area of dunes being so low (<1% of EU territory) dunes are easily overlooked.
- They are real important biodiversity hotspots
- Coastal dunes tick all the EU Biodiversity Strategy boxes
- Coastal dune specialists are threatened “red list species”



# European Dune Network

- Grassroot on voluntary basis
- Slowly build from 1989 onward initiated by the EUCC
- Nowadays loosely linked to EUCC-germany website/newsletter
- Depending on meetings at LIFE projects
- No structural funding makes it vulnerable

**-> Capacity building is needed!!**





# Some achievements to show:

LIFE2009	Dutch Dune Revival
LIFE2011	Amsterdam Dunes
LIFE2012	REDCOHA –LIFE
LIFE2012	REWETHAB
LIFE2012	LIFE FLANDRE
LIFE2013	REWETDUNE-LIFE
LIFE2012	LIFE FLANDRE
LIFE2013	LIFE+ARCOS
LIFE2017	Dynamic Dunescapes
LIFE2017	Sands of LIFE
LIFE2017	LIFE Stop Cortaderia
LIFE2020	LIFE DUNIAS
LIFE2020	LIFE on Machair
LIFE2020	LIFE INSULAR





# DUNIAS



-> Come and have a look @ POSTER at the KnowledgeMarket !

[www.natuurenbos.be/life-dunias](http://www.natuurenbos.be/life-dunias)

[https://purews.inbo.be/ws/portalfiles/portalfiles/90178920/Adriaens\\_etal\\_2022\\_AssessmentCurrentAndFutureInvasivePlants.pdf](https://purews.inbo.be/ws/portalfiles/portalfiles/90178920/Adriaens_etal_2022_AssessmentCurrentAndFutureInvasivePlants.pdf)





# Suggestion for the pledges

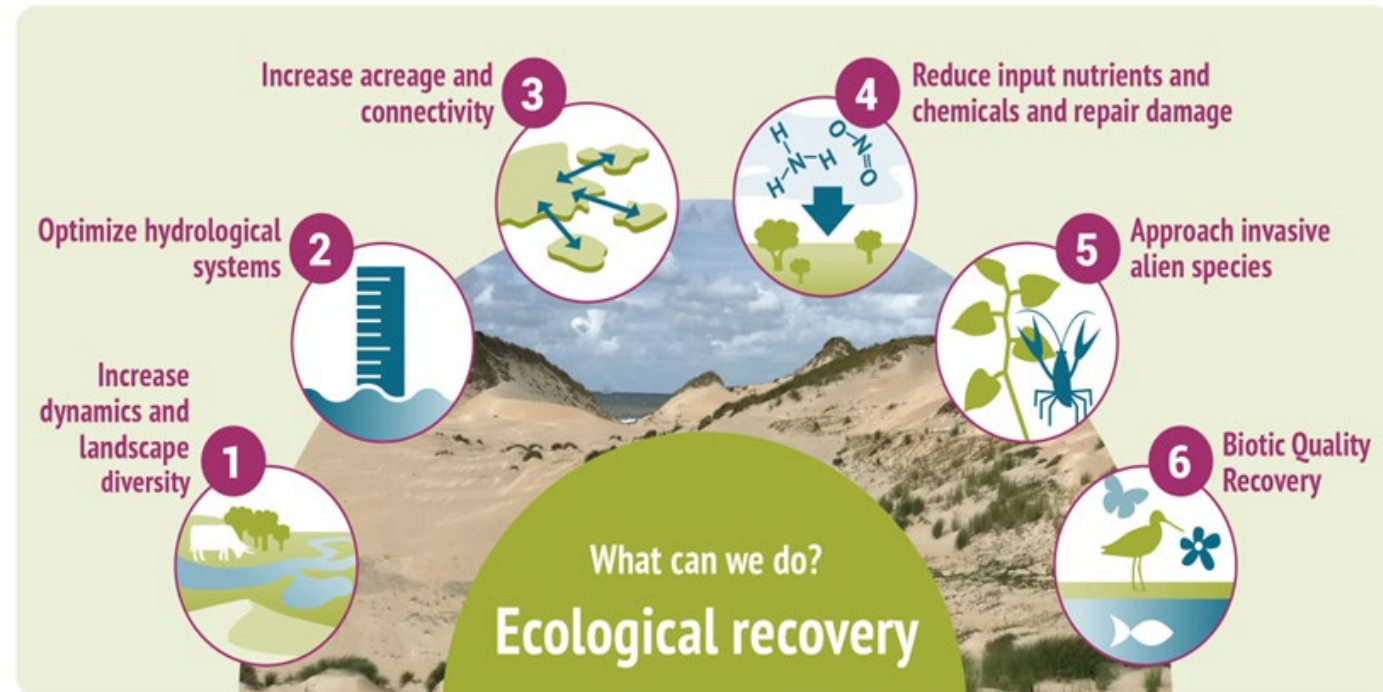
**Most problems don't stop at the national borders! :**

For example with IAS-problems the implement DUNIAS output can help us all!

Actions for Natura 2000 enlargement, restoration, habitats and species improvement are a huge concern for dunes!



<https://cdr.eionet.europa.eu/help/pledge>





## ES pledges delivered with actions for H2110, H2120, H2130

-> Compliments for Spain : long list of measures to reduce the threats!

### Option to ad 2150:

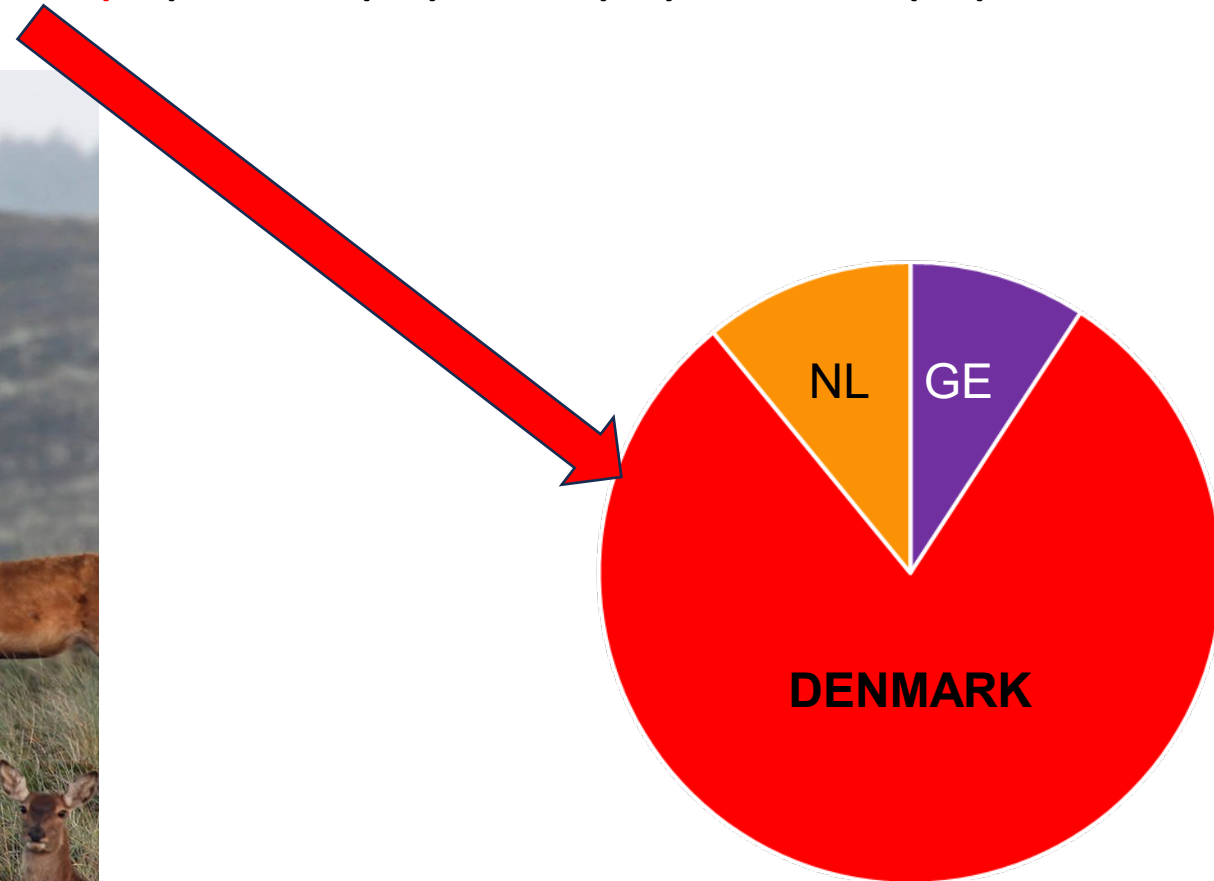
There is a gap in Atlantic Spain: > 600 ha of 2150\*habitat is not included in Atlantic Terrestrial Reference List for Spain. In Galician region (NUT ES11), there are several good examples of this habitat, maybe more examples in other Atlantic Spanish regions. Our pledge to included H2150 habitats in the reference list and locate SAC. Start a LIFE projects to assess the H2150 status (art.17) and restore this habitat type.





## DK pledges delivered with actions for H2130, H2140, H2190, H2250

- Improve condition of existing habitats (either Annex I or species habitats) through active area-based restoration measures
  - The management plans for the Natura 2000 sites describes the need for management activities like grazing and mowing.
  - A regulation that limitate ammonium emission form livestock farming
- EDN advertises a LIFE+ project that will be mostly on **H2140\*(U1)**, H2130\*(U2), H2190(U2) and H3110(U2)





IR pledges pending

•Machairs' with the EU Code \*21A0 : 100% in Ireland

Implement site-specific conservation interventions and other outcomes of LIFE On MachairLIFE20 NAT/IE/000263





## FR.. Pledge pending

- **Address the impact of Sea level rise and Coastal Squeeze**

Grey dunes (H2130) in many places is caught in a vice between marine erosion and the advance of the forest in the hinterland, a threath that is clearly increasing with climate change. It is therefore important support its extension and increase the efforts for grey dune restoration projects on the Atlantic coast.





**GE.. pledges delivered with actions for H2120, H2130, H2150**

- **information on measures, description, date and explanation still have to be added**

**NL Pledges pending :**

- **Reduce air-born nitrogen input, work on connectivity and bufferzones**
- **NL holds 62% of H2150: challenge to step up from U1= to U1+ or FV**

**B Pledges pending :**

**Reduce air-born nitrogen input, work on IAS, connectivity and bufferzones**

**PT ???? Disappeared from the list [Reportnet 3 \(europa.eu\)](https://reportnet3.europa.eu)**



THE BEACH  
NEEDS THE  
DUNE

☺ DUNES  
R COOL

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