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## *The Resilient Dune #3*

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*Endure is an Interreg 2 Seas project funded by ERDF\**



The ENDURE project is very excited to introduce a set of tools developed to support decision making in the 2Seas area.

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## Can building in a dune affect its future resilience?

In many places along the coast, the development of the dunes is altered by the presence of buildings and other infrastructure in the coastal zone. These buildings can disturb the natural processes that occur on the beach and in the dunes and the future effects of climate change may make it more difficult to ensure dune resilience. Project partner HHNK have therefore developed a simple tool to visualise the effect of building on dunes. This tool will be available this summer.

[Find out more here!](#)

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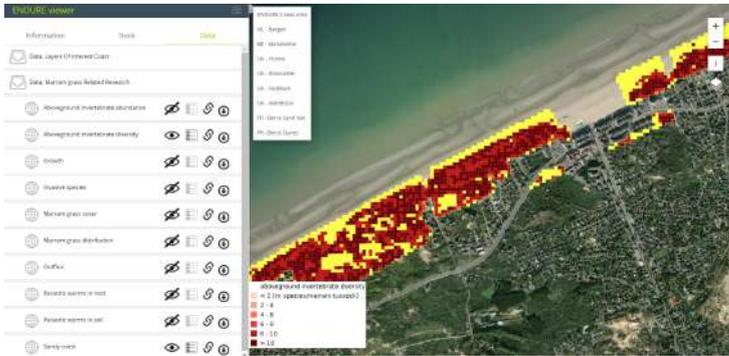
## Marram helps indicate the health of sand dunes

ENDURE  
NEWS

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## 21 & 22 SEP 2021 Ensuring Dune Resilience

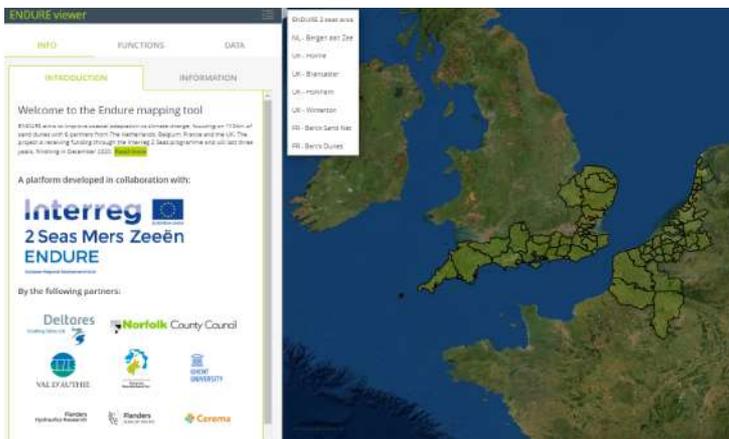
SAVE THE DATE. The ENDURE project will be hosting its closing conference in Norwich, UK on 21 and 22 September 2021. Join us as we hear from experts on the testing of new techniques and development of exciting new tools. On Day 2 we shall visit one of Norfolk's



Marram grass plays a vital role in the process of dune formation, capturing sand and enabling them to grow. The presence of marram grass can therefore be an indicator for sand dune health. Project partner Ghent University have therefore developed a tool showing marram grass cover and distribution, resilience computer modelling and biodiversity data.

[Find out more here!](#)

## ENDURE Viewer



Wish to better understand coastal behaviours? The ENDURE Viewer has been developed for ENDURE by Deltares, for those working with or developing policies associated with coastal sand dune sites. The tool has been designed to allow users to better understand coastal behaviour and to give insight into coastal dune development. The viewer is a communication tool to encourage thinking about dune management in a new way.

stunning sand dune sites to see first hand the pressures site managers are working with. [Find our more and register now](#) to avoid disappointment.

## Living with Dunes

To celebrate the first World Sand Dune Day in June, we launched a short film 'Living with Dunes'. Exploring the complex environmental problems of climate change, biodiversity and habitat loss, the film focuses on one of the Norfolk project pilot sites, Holme-next-the-Sea in the UK. The film can be found on our [ENDURE YouTube channel](#).



Living With Dunes

## Missed our Tool Showcase? Don't worry!

The ENDURE showcase ran on four dates during May 2021, presenting the tools introduced in this newsletter. The

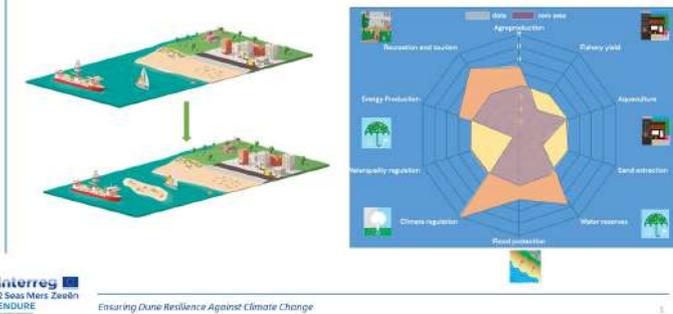
Find out more here!

showcase

presentations can be found on the [ENDURE YouTube channel](#).

## How might future coastal protection measures affect ecosystem services?

### Assessing impact



Respect and Protect your dunes!  
We've produced a video to encourage people to help protect their dunes.  
[Find out more here.](#)

With our urban areas and cities constantly growing, we face a wide range of challenges. Nature based solutions are designed to bring nature and more natural processes to support actions. Ghent University have developed a tool underpinned by science, for Spatial Planners and others, to explain how changes in land use might effect ecosystem services.

Find out more here!



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Forward



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ENDURE is an Interreg 2 Seas project funded by the \*European Regional Development Fund

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