



DARKER SKY Mid-term event

Co-design approach & bottom-up methodology



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A dark sky is extremely important

Surrounded by nature

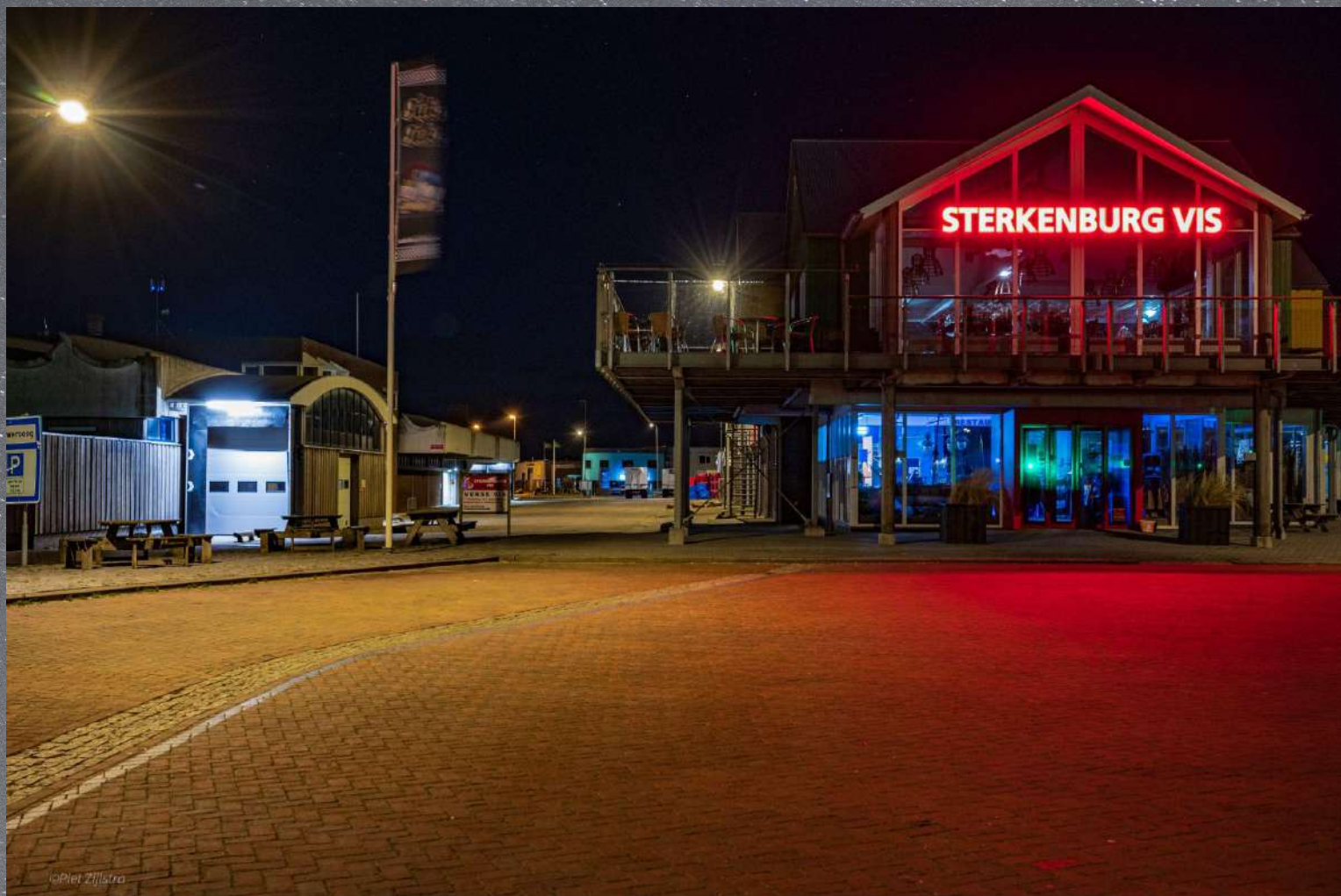
- National Park Lauwersmeer
- Wadden Sea UNESCO World Heritage

Experience the Darkness

- Recognised Dark Sky Park







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Harbour Coalition Lauwersoog

Goal:

A clean port that generates its own energy, where ships sail fossil-free, and where the nature of the Wadden Sea is clearly visible.

Driving force behind the Sustainable Port Lauwersoog is Klaas Laansma



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Village association (Dorpsbelang)



Tackling light pollution needs a transdisciplinary approach



Co-design approach & bottom-up methodology



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15 March 2025



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Demonstrator Sites





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Demonstrator Site 1





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Demonstrator Site 2





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Demonstrator Site 2>3





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Demonstrator Site 3





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Bottom-up (co-design) in Holwert

As local pilot coordinator in Holwert, Landmakers Coöperatie – in collaboration with HAW Hamburg – is deploying cutting-edge VR/AR technology to enable residents, businesses, and the municipality to co-create lighting proposals for three key areas: the pier by the sea, the industrial zone between Holwert and the pier, and four streets within the village.

Using a bottom-up approach, Landmakers fosters local engagement by connecting stakeholders – including Rijkswaterstaat – and involving them in light and biodiversity measurements. The impact of this innovative, participatory process is being closely monitored throughout.





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DARKER SKY Holwert

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Bottom-up (co-design) in Holwert

On 4 November 2023, young people who have consciously chosen to stay in Holwert and build their future there met for the first time as members of the Holwert Youth Sounding Board. In addition, a DARKER SKY workshop was held to inform those present about this Interreg North Sea project – and, above all, to encourage them to actively get involved.





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DARKER SKY Holwert

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Bottom-up (co-design) in Holwert

On 13 May 2024, a workshop was held with 13 residents of Holwert. Prior to the session, participants completed a survey to gather their thoughts on lighting, light pollution, and its impact on wellbeing and biodiversity. This survey served as a baseline measurement to assess how the project and lighting adjustments affect the local community.





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DARKER SKY Holwert

DARKER SKY

Bottom-up (co-design) in Holwert

By showing them night-time photographs, residents became aware of the significant presence of ALAN (Artificial Light At Night) in their community and the importance of darkness, which strengthened their engagement with the DARKER SKY project.

Demonstrator Sites Holwerd





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DARKER SKY Holwert

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Bottom-up (co-design) in Holwert

Night of the Night / DKS

An inspiring event in Holwert during the 'Night of the Night'. Children, residents, light planners and local businesses came together for engaging presentations on light pollution, hands-on workshops, a Dark Sky Dinner, virtual journeys through the cosmos, expert-led stargazing, and light measurements at demo sites. Using cutting-edge XR tools (VR/AR), participants explored sustainable lighting strategies.

The children even developed their own action plans for a brighter future – proof that collaboration across generations can harmonise safety, sustainability, and starry skies.

Together with our local allies and European DARKER SKY partners, we're shining a light on innovation to protect the night.



Connect with us!

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Find out more at:

www.interregnorthsea.eu/darker-sky



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