

International Dark Sky Place Annual Report: October 2021 - December 2022



Date

Friday, January 6, 2023

General Information

International Dark Sky Place Name

Møn and Nyord

International Dark Sky Place Category

International Dark Sky Park

Designation Year

2017

Guidelines Version

2015

Your Name

Katrine Dietrich Coordinator of Dark Sky

Email Address

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Primary Contact

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Secondary Contact

Ole Hampenberg Head of Department

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Management Agency (if applicable)

Vordingborg Kommune

What is the physical address of the Place?

Storegade 2

Stege, 4780

Denmark

Is the site currently under Provisional Status?

No

Are you an IDA Delegate, Affiliate, or Chapter Representative?

No

Night Sky Quality Monitoring

Total average or typical zenith night sky brightness reading reported in the original application:

21.72

Provide the Tier you were certified under, if applicable:

Gold

Total average or typical zenith night sky brightness reading for this reporting period:

21.87

Upload your night sky quality raw data documents for this reporting period:



DSC 2022.xlsx



DSP 2022.xlsx

Upload a map (PDF or image) that shows the locations and names of the places that were used to take SQM measurements:



dsp moen map 4.pdf

Describe any changes detected in night sky quality from receiving your certification to the present:

The islands Møn and Nyord are often affected by fog drifting inland from the sea. When the mist drifts inland, light domes are clearly visible above towns.

While measuring the sky quality in 2022, we have been careful in selecting nights with a very clear sky.

We can see that the sky quality measurements at the different locations become very similar when the sky is not affected by mist or fog. Distance to small towns becomes less important when the air is dry.

The Dark Sky Community measuring locations were selected by a previous member of our team.

Two locations are located directly below street lamps, which does not give a good representation of the night sky. We have replaced those measurements with other locations within 100 m. of the original locations.

Lighting Compliance

Parks, Sanctuaries, and Communities, please fill out the applicable row to describe your lighting compliance rate (%) with your Lighting Management Plan/Policy (whole numbers only):

	Year of Certification	Compliance % in Original Application	Current Compliance %	Anticipated % for Next Reporting Period
Parks	2017	90	99	99
Communities	2017	90	99	99

What actions have you taken to meet the requirements of your Lighting Management Plan/Policy during this reporting period? Include a summary of any actions taken with privately owned lighting that helped improve your night sky quality as well:

1. In January 2022 we launched an information campaign with a new information brochure, which was distributed to all households in the park and community, providing advice on how to contribute to eliminating light pollution.
2. In January 2022 we partnered up with the local light retailer, creating a small exhibition with Dark Sky Friendly lamps and bulbs, and information about how to preserve the dark sky.
3. Collaborating with the Road, Plan and Construction Department in the municipality on incorporating Dark Sky requirements when they approve construction requests and make new plans for local areas.
4. Road lighting is turned down to minimum intensity during night.

Have you used any fixtures from the IDA Fixture Seal of Approval (FSA) Program?

No

Outreach, Education, and Media

Please fill out the following table to summarize all outreach efforts from the past reporting period (whole numbers only).

Total # of Events	# of Unique Efforts Offered	Total # of Attendees for All Events
160	12	1145

Note - "unique efforts" offered represent different programs at your site. For example, all star/astronomy related events should be classified as one type of effort, "night hikes" as another type of effort, etc.

For each unique event type your Place hosted, provide all of the following information (up to 100 words per entry; 1000 total word limit): Event name; Date or range of dates of all events under that name; Number of attendees; Brief description of the event and the values that you promoted (i.e. wildlife/ecology, lighting, culture/heritage, IDSP status, ordinance/policy, astrotourism, energy security and conservation, human health, etc.).

Dark Sky film & talk events; October 20-21, 2 programs, 104 attendees. Film + lecture, and then the participants were supposed to go on a guided star tour outside at GeoCenter Møns Klint. The guests were scientifically entertained, but there were also plenty of legends and tales/ cultural heritage.

Astronomy guiding with telescope – Dark Sky Camp and Damsholte Observatory; March-October; 190 attendees; Participant provided with basic astronomy info and look through telescopes with a dark sky guide.

Advice/ counselling stand at larger events. June 14 and December 11; 20-50 attendees. Citizens were provided information and practical counselling on how to prevent light pollution at Møn Biosphere Anniversary and Biosphere Christmas Market.

Training of tourism staff; January-December; 6 programs for different groups of staff at local tourist organisations; around 60 attendees; astro-tourism, experiences with nature, biodiversity, etc.

Ambassador programme; March-June; 1 program; 24 attendees. Education program of 4 modules for Biosphere and Dark Sky Ambassadors. Learning about our to designations as Dark Sky park and community and our UNESCO Biosphere designation. Invites local citizens, companies and association to become a Dark Sky ambassador, and to make their own pledge for preserving the Dark Sky.

Dark Sky sleep-over with guided tour; March-October; Around 300 attendees. The

guest primarily tourists were provided information on Dark Sky and basic astronomy. Carried out by hosts at Straagaarden, Dark Sky Camp, and Villa Huno.

Dark Sky Experience for School children - Biosphere Camp 2022 + other events; September 8 + additional events; MARCH-OCTOBER; 90-100 attendees. As part of a nature Camp the school children were introduced to Dark Sky and had a Dark Sky experience.

Night Hikes with focus star-gazing, astronomy, darkness, nature conservation and biodiversity aspects; March-October; 25 tours; 275 attendees. The hikes were led by a Dark Sky guide providing information on a number of topics, focusing either on the importance of darkness for nature conservation of plants, animals and humans or star-gazing, silent walks and/or basic astronomy.

Interviews and Night hikes with Danish and international journalists (TV and newspapers); April-September; 5-6 tours and interviews; 12-14 attendees.

Company Events. March-September. 6 events; 126 attendees. The agenda was dissemination of NASA's Artemis 1 mission and its purpose, Galaxies and their stars, the Moon as a new focal point in the colonization of Mars.

Welcoming both Danish and international delegations with an interest or an aspiration for becoming a Dark Sky Park; January to September. 3 groups. 12 attendees.

Astro/ Dark Sky training for teachers. March-October; 10 attendees. Training of school teachers in how to teach and work with astronomy/dark sky aspects.

Did you promote the IDA and its mission during your outreach programs/events? If so, describe:

Yes, we always point out to our visitors that we are a designated and approved dark sky park and community, and tell them about the benefits of dark skies and preventing light pollution. We always mention IDA for audiences, and we always add the IDA logo to our brochures and information material.

Is there any programming, ongoing or planned, blending the arts and/or culture with dark skies? If so, describe:

We have following plans for blending arts/culture and Dark Sky in 2023:
Collaborating with local churches around and Dark Sky event spring and winter solstice, also involving music/a small concert.

Collaboration with local artist on making a 'Darkness Festival'

Collaborating with local Theater – Teater Møn – on making a Dark Sky Theater performance.

Provide up to five photos of events you hosted this year:



Provide social media handles or website links used to promote dark skies (these will be added to your Place's IDA page):

<https://www.facebook.com/darkskyparkmoen> <https://www.darkskyparkmoen.dk/>
<https://www.vordingborg.dk/biosf%C3%A6re/dark-sky/> Dark Sky Møn - Camp
Møns Klint (campmoensklint.dk)

<https://www.sydkystdanmark.dk/om-Destination-SydkyStDanmark>
naturguidemoen.dk

darkskymoen.dk

tiendegaarden.dk

straagaarden.dk

camoenogaarden.dk

Has your Place participated in any IDA-led initiatives such as International Dark Sky Week, the Under One Sky conference, or other relevant promotions during this reporting period?

No

Upload files of any media coverage (articles, interviews, etc.) about your site or dark-sky efforts you are involved with. This may also be a document with a list of links to the respective coverage.

The screenshot shows a BBC Travel article titled "The Danish tradition we all need now - BBC Travel". The article features a photograph of a starry night sky over a rocky landscape. The text discusses the importance of dark sky preservation and the Dark Sky Men & Nyrd project. A media monitoring dashboard on the right side of the image displays the following data:

- Dark Sky Men & Nyrd has been mentioned 263 times in 140 articles in national, local and regional media in 2022.
- Alle medietyper: 263
 - Regionale og lokale d...: 104
 - Webkilder: 97
 - Lokale ugeaviser: 40
 - Magasiner: 13
 - Landsdækkende dagbl...: 8
 - Nyhedsbureauer: 1
- Alle medier: 263
 - Sjællandske - Næstved: 33
 - Ugebladet for Men: 33
 - Sn.dk (Sjællands Nyhe...: 12
 - Kommuner: 6
 - Sydjyllands Tidende: 6
 - Fyens.dk: 5
 - JV.dk (Jydsk Vestkysten): 5
 - Amtsavisen.dk (Randb...: 5
 - Stiften.dk (Århus Stiftst...: 5
 - Faa.dk: 5

The dashboard also shows a preview of a newspaper article titled "En fridagsferie i Stege" with a photograph of two people looking at the night sky.



Med udsigt til stjerner og stilh....pdf

To update our records, please provide a photo of your erected sign with your respective International Dark Sky Place label:



Briefly describe how educational materials are being dispersed/provided at your Place:

In January 2022 we launched an information campaign with a new information brochure, which was distributed to all households in the parks and community, providing advice to how to contribute to eliminating light pollution.

These materials are also available on tourist offices and at bigger tourist attractions and at the Camp Sites and Dark Sky B&Bs.

In January 2022 we partnered up with the local light retailer, creating a small exhibition with Dark Sky Friendly lamps and bulbs, and information about how to preserve the dark sky.

Every time we have a large event at the island, we try to have an information stand, where people can get practical advice on how they on their own premises can prevent light pollution.

This year we made a new version on our 'Dark Sky News Paper' (Please find link) which has been distributed to all tourist sites at the island.

Upload examples of new (not developed/provided by the IDA) printed educational materials that have been created this reporting period. These may include brochures, handouts, policy-related materials such as utility notices, and/or informative messages distributed through utility companies:



DARK SKY_M65_folder_DaTy... .pdf



DARK SKY_belysningsfolder_... .pdf



DARK_SKY_NEWS_2022_FIN... .pdf

Describe any permanent or temporary exhibits that have been created this reporting period (these may include trails, informative waysides, interpretation signs, gift shop items, etc.):

We have funded 3 permanent Dark Sky reflex trails, they are under development, and will be launched in 2023.

Upload photos showing any of the above items you are currently providing (limit 5 photographs):



Briefly describe any efforts undertaken to reach new audiences. If this was not part of your efforts last year, describe what you plan to do to engage new visitors in the 2023 reporting period:

During this year 2022 a small Dark Sky film has been shown in the local cinema before every show, to disseminate information on Dark Sky.

Welcoming both Danish and international delegations with and interest or an aspiration for becoming a Dark Sky Park.

The Dark Sky Newspaper has been very popular amongst guest and tourists

visiting Møn. In 2023 it will be translated to English.

Partnerships

Have you worked with any external partners to promote the dark-sky movement within and outside of your Place's boundaries? If so, identify these partners and explain the result of this collaboration:

We are using multi-sector partnership approach in managing the Dark Sky Park & Dark Sky Community. This means that the work is anchored in a broad-based forum with Vordingborg Municipality (local government), House of Møn (the local tourism and commerce organization) work and civil society represented by volunteers with strong Dark Sky expertise. A Dark Sky coordination committee meets on a regular basis and they collaborate on the action plan for initiatives and projects.

Were you awarded any grants or funding for projects during this reporting period? If yes, please describe:

Yes. An application for Euro 4000 were approved from Vordingborg Kommune to establish 3 new reflex trails for citizens and guests where they on their own can seek experiences with Dark Sky.

Have you collaborated with an IDA Delegate or IDA Chapter on dark-sky issues since the last reporting period? If so, please describe:

No

Are there any ongoing conservation and/or research programs at the site? If so, who runs them, and what are the goals?

Vordingborg Kommune continually monitor various species in the area, and Skov & Naturstyrelsen also monitor insect and bat populations.

Briefly describe future plans (in 2023 and beyond) to engage with existing and new partners and how you will expand the dark-sky movement:

We are in the partner-based coordinating committee jointly implementing a Dark Sky Action plan, where we will work on both new signs for the park, various events, and outreach to people, as well as inviting in new Dark Sky Ambassadors.

Success in Light Pollution Control, Leadership, and Future Threats

Have the "threats" identified in your application for certification:

Stayed the same

If the "threats" identified in your application for certification have increased or decreased, please provide a brief explanation of how they have changed (i.e., increased/decreased visibility of light domes, new sources of glare/problematic lighting, new industry/development, etc.):

Stayed the same.

Provide a brief description of how you will continue to manage "threats" over the next year:

Providing information to the public about how to minimize light pollution.
Making coordinating meeting with staff responsible for road and construction in the municipality.

In January 2022 we launched an information campaign with a new information brochure, which was distributed to all households in the parks and community, providing advice to how to contribute to eliminating light pollution.

These materials are also available on tourist offices and at bigger tourist attractions and at the Camp Sites and Dark Sky B&Bs.

The municipality have changed all lighting in the area, and for now the efforts is more to ensure that private sites are also aware of dark sky friendly installations when they build and renovate.

This is way we have a focus on citizen-centered information campaigns as well as ensuring that the public plans for local areas are updated in order to promote Dark Sky preservation.

Change in Ownership, Place Size, or Access

Have there been any changes to the size, access and/or boundaries of your Place (this could be property acquisition, sale, road development/closure, easement access, etc.)? If so, please describe:

No extensions. We are both Dark Sky Park and Dark Sky community. The community size is 223 square kilometers, and we continually monitor the sky quality in both park and community area.

What is the total size of your Place (in square kilometers only)?

11

Additional Information

What do you consider the greatest single benefit of the IDA certification to your location?

Preserving the undisturbed darkness of the area, creating awareness amongst local citizens and using the brand to create local tourism development and engagement in our area.

Did you have any dealings with IDA over the last 12 months regarding any certification issues? How were they handled by IDA?

No

Thank you for completing your 2022 Annual Report! Please provide us with any additional information that you would like us to know about your Place and/or your efforts to combat light pollution:

We are working on a new sign for our Dark Sky Park. We have had troubles with the national /regional rules for establishing signs along the roadside.