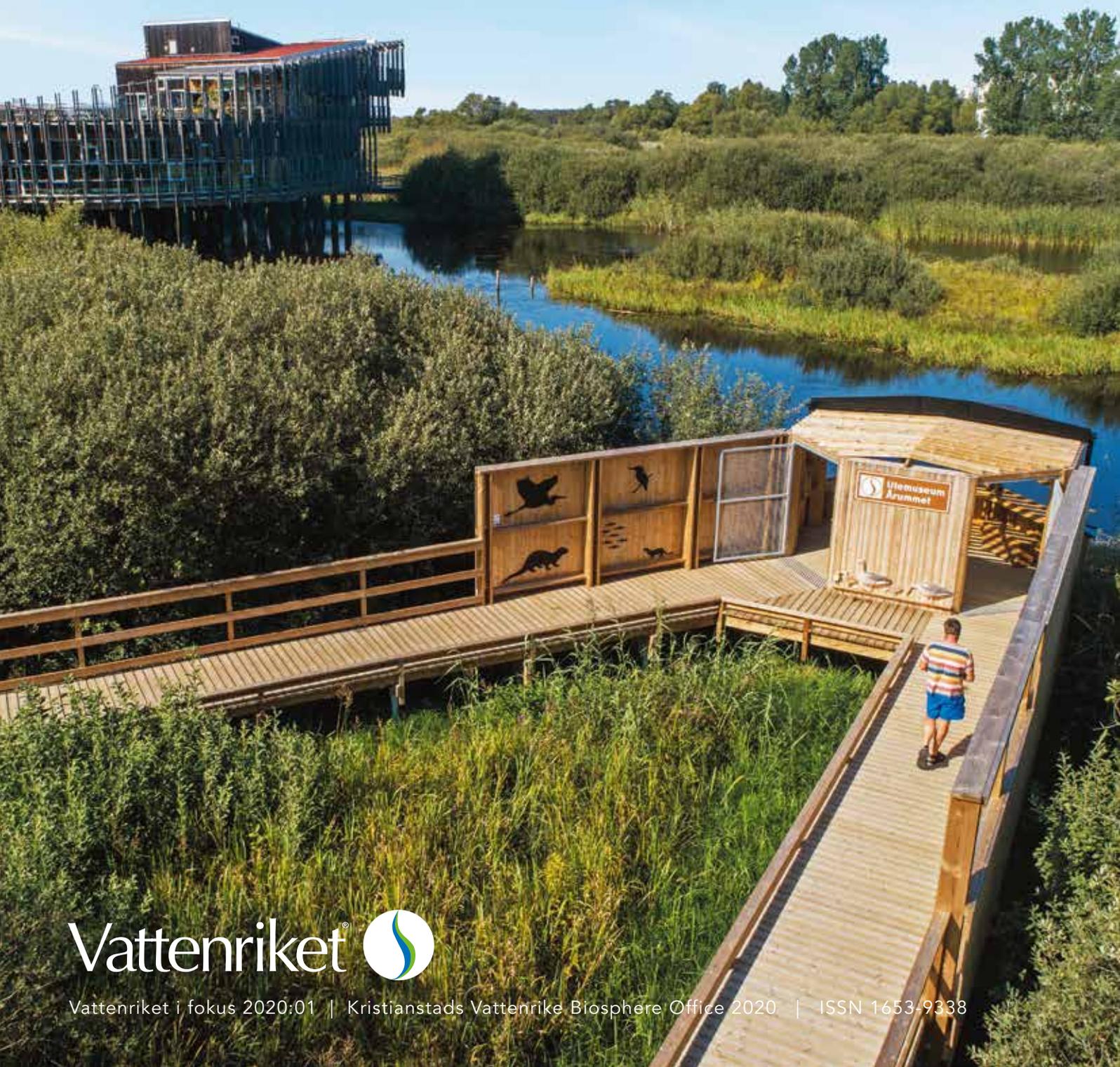


# Kristianstads Vattenrike Biosphere Reserve Activities 2019



Kristianstads Vattenrike is a Unesco-designated biosphere reserve that serves as a model area for sustainable development. There are some 700 biosphere reserves worldwide, seven of which are in Sweden.

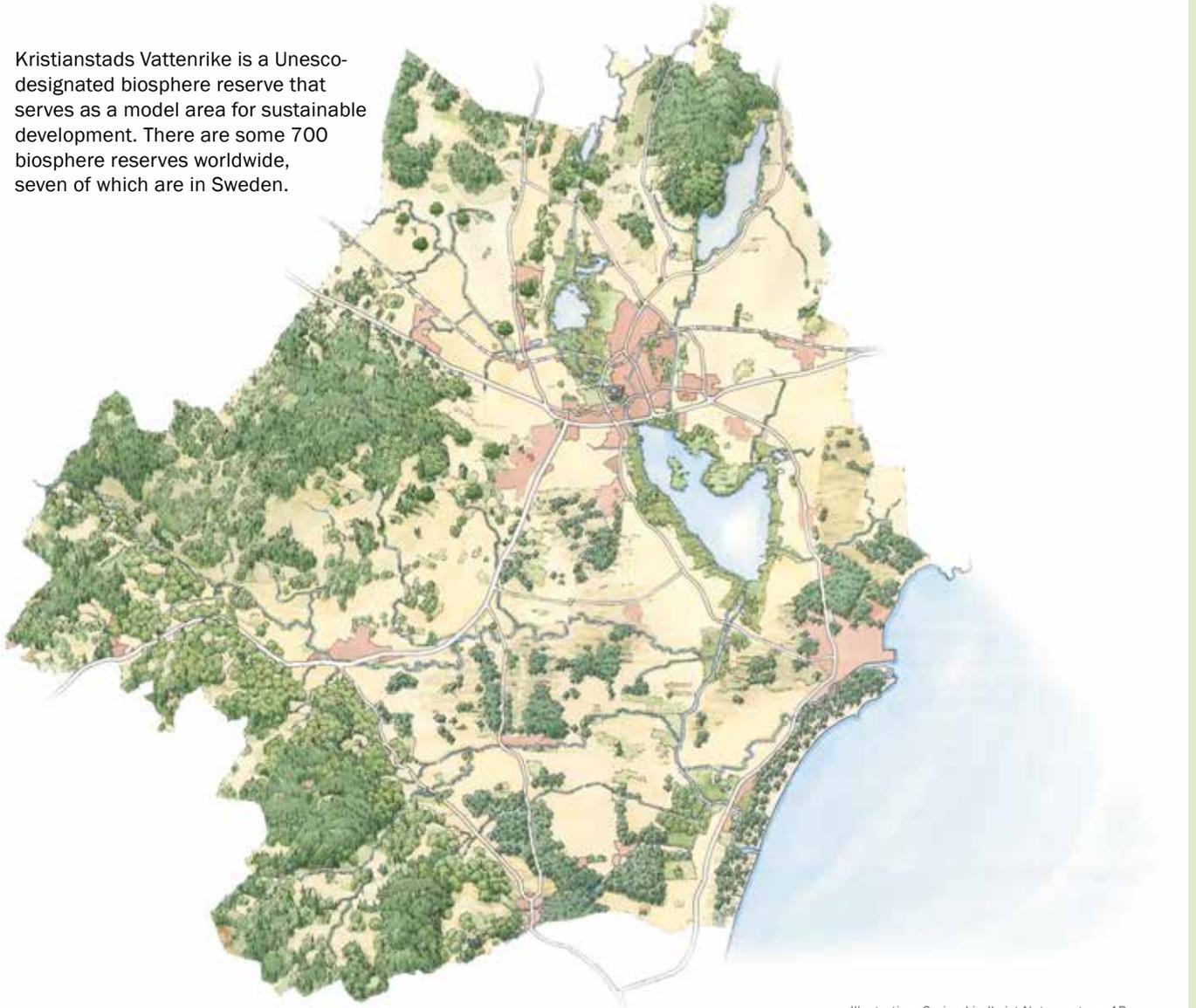


Illustration: Carina Lindkvist Naturcentrum AB

## Kristianstads Vattenrike Biosphere Reserve

**Kristianstads Vattenrike Biosphere Reserve (Vattenriket) occupies most of the municipality of Kristianstad. This rich cultural landscape is endowed with almost every type of natural habitat to be found in Sweden.**

The majestic River Helge å is a central feature. Fed by streams from the ridges and plains, it flows into Lakes Araslövssjön and Hammarsjön before reaching the sea in Hanöbukten Bay. The river is fringed by wetlands and seasonally flooded grasslands, but there are also leafy forests and dry sandy arable lands within the reserve.

Such variety creates numerous natural habitats and the species-rich reserve, less than two tenths of one percent of the area of Sweden, is a refuge for some 20% of the nation's red-listed species.

Kristianstad Municipality is committed to making the biosphere reserve a model area for sustainable development.

Producing and sharing knowledge about the landscape and nature is crucial for an ecologically, economically and socially sustainable society, so we make inventories, publish reports, work with researchers, host conferences and welcome some 100,000 visitors a year to the naturum visitor centre.

We collaborate with local associations, companies and landowners to use and conserve natural values. We create wetlands and restore sandy grasslands. Species diversity and efficient ecosystems help us to cope better with challenges such as

climate change.

Enabling people to experience nature inspires them to help conserve it. The biosphere reserve has some 20 visitor sites with observation towers, marked trails and outdoor museums. The jewel in our crown is the naturum visitor centre with exhibitions, meeting rooms, a restaurant and a wide programme of activities. Here we explain how the biosphere reserve works and encourage visitors to explore the area for themselves.

Results have been positive. At the Pulken visitor site migrating cranes, visitors and farmers co-exist in harmony. Cat-fish have been successfully reintroduced into the river and otters fish close to the naturum. Thanks to a new-found respect for natural values, the wetlands are no longer seen as a problem, but as a valuable resource for Kristianstad.

# 2019 – The year in review

2019 marked a milestone for us. What began 30 years ago in huts on the banks of the River Helge å has evolved into an internationally acclaimed biosphere reserve that conducts numerous projects and boasts a splendid visitor centre, naturum Vattenrike, that scored an impressive 95% satisfaction rate among visitors in a nationwide Swedish EPA survey.

Our jubilee year was celebrated with lectures, a new outdoor display adjacent to the naturum and, on 1 September, an invitation to all who are so important for our work to join us for birthday cake, music and a review of what we have achieved together.

In keeping with the year's 'Discover Vattenriket' theme we published a new guidebook and stationed our nature interpreters at some of their favourite sites. Work on the SL6 stretch of the Skåneleden Trail through Vattenriket also moved up a gear. Orange signs now point the way to the first section, from Norra Lingenäset to Gropahålet, making it easier than ever for visitors and locals to discover the area.

On 22 May, the date Kristianstad was

founded in 1614, but also International Biodiversity Day, a new pedestrian bridge spanning a main road was inaugurated to create a seamless link between city and nature. Just a few days earlier the new Årummet outdoor museum was completed, with access via a boardwalk through the reed beds outside the naturum.

A new jetty at the Kanalhuset visitor site facilitates fishing in the river for people with disabilities, and the Municipal Executive Committee has earmarked funds for a Biosphere Office led project to improve access for everyone to the water in Vattenriket. That's certainly something to look forward to!

Vattenriket and Kristianstad attract visitors from near and far. In 2019 we hosted several major conferences, including the Swedish EPA's Think Tank for Outdoor Activities and Unesco's Nordic Conference – ideal opportunities to explain what we are doing and showcase what Kristianstads Vattenrike has to offer.

Work to improve water quality and promote biodiversity continues: 37 hectares of new wetlands have been created, large tracts of sandy grasslands have been re-

stored and a conference was arranged with the Swedish Forest Agency and the Helge å Model Forest to specifically address the issue of water brownification.

That is what our work as a biosphere reserve is all about – acquiring and using knowledge to enhance the experience of discovering and enjoying the wonders of the wetlands.

We look forward to welcoming you in 2020 – to discover for yourself all that Vattenriket has to offer.



*Carina Wettemark*

Carina Wettemark  
Coordinator, Kristianstads Vattenrike Biosphere Reserve Manager, Department for Biosphere Activities, Municipal Executive Office, Kristianstad Municipality

## Biosphere reserves and the 2030 Agenda

In 2015 the UN adopted a global agenda for sustainable development. Biosphere reserves play a key role in this blueprint for the future by showing how work to achieve the 17 sustainable development goals (SDGs) can be put into practice

### Dialogue and collaboration

Biosphere work builds on broad local support and good collaboration at local, regional, national and international level – from landowners, businesses, forest owners and birdwatchers to municipalities and county administrative boards. As neutral forums for collaboration, biosphere reserves play a key role in work to meet global SDGs by building bridges between sectors.

### Effective ecosystems generate prosperity

An understanding of ecosystems' significance for prosperity and economic development is at the core of the biosphere programme and work on Agenda 2030.

### Benefiting nature and people

The biosphere programme sees humanity as part of nature. How people manage and use nature is often crucial for the production of essential ecosystem services. What benefits nature benefits us humans.

### Learning and changing attitudes

One of Vattenriket's long-term goals is to help bring about an ecologically, economically and socially sustainable society. The way to do this is by establishing trust, arousing curiosity, stimulating interest and engaging people. The Biosphere Office builds on broad local support to share knowledge and implement projects that



## THE GLOBAL GOALS

improve the environment on land and in the water.

The pedagogic focus of the naturum visitor centre, together with activities, visitor sites and walking trails that bring people closer to nature, increases awareness and inspires people to work for sustainable development.

# Vattenriket 30 years



Photo: Mattias Roos

Speakers at the jubilee



Karin Magntorn and Carina Wettemark meet the press



Photo: Mattias Roos

Christianstad Symphony Orchestra

Today Kristianstads Vattenrike is an internationally acclaimed biosphere reserve with a naturum visitor centre as its 'shop window'. Thirty years have passed since activities began in two temporary buildings on the banks of the River Helge å. In 2019 this jubilee was celebrated with lectures, exhibitions and films, and on 1 September, a birthday party with music, speeches and, of course, a cake!

The challenge of changing local attitudes to the wetlands surrounding Kristianstad dates back to 1989 when work began to restore some of the seasonally flooded grasslands and make them more accessible by building outdoor museums, boardwalks and observation towers. Parallel with this, the Nature School started to arouse interest in nature among pupils and teachers.

Unesco awarded Kristianstads Vattenrike biosphere reserve status in 2005. Five years later the naturum visitor centre opened in the centre of Kristianstad at the heart of the wetlands. Today Vattenriket is a key element of the Kristianstad brand.

The 30th jubilee was celebrated throughout the year – not least on 1 September, with music, speeches and birthday cake at the naturum. After a sprinkling of rain, the sun came out as those gathered witnessed a review of 30 successful years and listened to music from the Christianstad Symphony Orchestra.

A new display tracing the growth of Vattenriket was set up outside the naturum, and there were lectures for all who wished to delve deeper into the biosphere reserve's activities. Naturum director Karin Magntorn described progress from Vattenriket's modest beginnings in 1989 to today's broad programme of activities. Nature photographer Patrik Olofsson told of his adventures and exertions during 30 years of documenting Vattenriket. And nature conservation coordinator Hans Cronert shared his experiences of work to transform overgrown meadows into a utopia for birds.

Together with Kristianstad's 'Orange City' marketing team, the Biosphere Office also produced a short film. This follows the River Helge å on its journey south to the sea, providing glimpses of the long-term work to protect the rich natural diversity of an area rich in flora and fauna, as the river winds its way past farms and grazing cattle.





**A summer film camp** gave young film-makers a chance to learn more about nature.



**Hanna Olvenmark** baked sustainable pizzas during the half-term holiday.



**Autumn's cosy corner** – full of colour, with hats and cushions made from recycled textiles.

# Visitors rate naturum highly

A Swedish EPA survey from the summer of 2019 shows that 95 percent of visitors to naturum Vattenriket are pleased with their visit.

The survey reported high ratings for the nature trails, children's activities and how information is presented in the exhibition. Visitors also said that the naturum inspired them to explore the natural surroundings for themselves.

It was Vattenriket's open landscapes and natural diversity that attracted the Recher family from Zürich, Switzerland. They thoroughly enjoyed their visit – as did many others. Summer 2019 saw a steep increase in visitors from abroad.

### Summer vacation Film Camp

Butterflies, edible plants, life in the water. Young film-makers at the summer Film Camp, arranged by naturum to stimulate interest in nature, showed enthusiasm for a broad spectrum of subjects.

Advised and assisted by Safari Sverige's experts, they filmed from various angles and were fascinated by close-ups that revealed how many different insects feed on nectar.

The 11 participants tested their film-making skills for four days, learning more about nature with naturum staff, before

concluding with a film festival for family and friends.

### A flourishing Vattenriket flower

During the year many school pupils had the opportunity to use the new Vattenriket flower, a pedagogic tool developed by naturum to illustrate ecosystem services. First-hand experiences, activities and discussions made clear how dependent we humans are on nature.

### Pizzas for the planet

There was plenty to do during February's

half-term holiday, with an animal Olympics and bonfire outside the naturum visitor centre, while dietician and influencer Hanna Olvenmark showed how to bake pizzas that are as kind on your pocket as they are to the planet.

The naturum's 'cosy corner' was transformed into a forest glade in autumn. Amid a kaleidoscope of colours, with mushrooms, leaves and cushions in recycled materials, young visitors could put on hats to dress as Mrs Mushroom or Old Father Fungus.







Photo: Mattias Roos

Årummet outdoor museum



Nature interpreters out and about



Birdwatcher's rucksack



First steps on the Vattenriket Trail



Snorkelling and hand-netting at Äspet

# Discover Vattenriket

Rivers, lakes, sea. Seasonally flooded meadows, sandy grasslands, forests. Vattenriket's diversity invites closer inspection. The theme for 2019 was 'Discover Vattenriket', and a new visitor's guide, boardwalks, bridges, a birdwatcher's rucksack and activities at the visitor sites offered plenty of opportunities to do just that.

## Close to nature = quality of life

Such diversity of flora and fauna in an area where almost all types of Sweden's nature are represented make Vattenriket a fantastic destination. Spending time in these varied natural surroundings means quality of life for those who live in the biosphere reserve. Marked trails, observation towers and outdoor museums, complemented with visitor guides, maps and activities also attract visitors to the area, making Kristianstad a tourist destination and a home for companies in the hospitality industry. Experiencing nature inspires people to engage with environmental and climate issues and contribute to sustainable social development. 'Discover Vattenriket' is part of the work to bring about this change in attitude.

## New visitor guide

All 22 Vattenriket visitor sites were presented in a new visitor guidebook with maps, texts, photos and tips on how best to enjoy the local surroundings by hiking,

cycling, canoeing, birdwatching or fishing.

## Activities at several visitor sites

The naturum visitor centre worked extra hard during the year to encourage visitors to discover the area for themselves. Nature interpreters also led activities at some of their favourite sites: 'forest bathing' and snorkelling at Äspet, fishing from the new Kanalhuset jetty, exploring nature's larder at Ekenabben and taking a cycle trip to Hercules.

Naturum visitors could borrow a birdwatcher's rucksack with binoculars, bird book and handy birdwatching tips. Our Facebook followers could test their knowledge of Vattenriket by solving clues that revealed summer's top visitor sites. The Friends of Vattenriket also played their part, welcoming 1,200 visitors to Lillöborgen by making sure the castle ruins there were open every weekend from May to September.

## Pedestrian bridge

On 22 May, International Biodiversity Day and also Kristianstad's official birthday, a new pedestrian bridge across a main road was opened to link the city with the diversity of the wetlands and make the Linnérundan Trail safer.

## Fishing jetty and hide

Students from Furuboda Folk High School were the first to test the Kanalhuset outdoor museum's new fishing jetty. This was built with government funding for local nature conservation initiatives as part of the Biosphere Office's work to facilitate fishing in the River Helge å.

They year also saw the completion of the Årummet outdoor museum, incorporating the boardwalk and hide that were part of the original plans for naturum. Årummet's information signs and look-out holes offer new views over the wetlands, the naturum and the city.



## In the sand near to you

Pines were felled, bushes dug up and turf removed to create better conditions for the rare plants and fungi of the sandy grasslands in a grove in a residential area of Åhus.

As part of our long-term work to conserve our local sandy grasslands, attention focused this year on a pine grove in Åhus. Once exposed to the heat of the sun, sand provides a home for species adapted to extremes of temperature, drought and

disturbance – a habitat that has become increasingly rare. Restoration opens up the area to many species that thrive in the sandy grasslands – insects, birds and plants such as the endangered sand pink. Vattenriket has a special responsibility for this pretty flower that needs sunlight, warmth and disturbed sand. Other plants that benefit from our actions are wild thyme, blue hair grass and pasque flower.

The initiatives were part of the project 'In the sand near to you', financed with government LONA funds.

## The way towards improved water quality

A project to improve water quality in the Helge å and Skräbeån rivers and Hanöbukten Bay – a collaboration between municipalities in north-eastern Skåne coordinated by the Biosphere Office – has led to the creation of 17 new wetland areas.

When it ended in December, the 4-year project to improve the ecological status of the three bodies of water had exceeded its target and created not 33, but 50 hectares of new wetlands. Some 3.3 million kronor

of the total 8.4 million kronor investment was funded by government grants for local water conservation initiatives; the remainder came from the EU's Rural Development Programme, landowners and the Swedish Forest Agency's NOKÅS fund.

### New film about the wetlands

On 2 February, World Wetlands Day, Vattenriket released a short film about its wetlands activities. Wetlands purify the water and modify the flow; they absorb carbon dioxide, help maintain the level of the water table and provide opportunities for recreation.

### Brownification conference

Over the past 40 years water in the Helge å, as elsewhere in the northern hemisphere, has become browner. A conference was arranged by the Helge å Model Forest, the Helge å Water Council and Vattenriket to examine the causes, consequences and corrective measures.

The recovery from acidification and changes in the climate and in land use have triggered the leaching of organic materials and iron from the surrounding soils that causes brownification. One way to reverse the trend is to decelerate the flow of water into rivers, lakes and the sea.





**Nordic Unesco commissions** held their annual conference in Vattenriket.



**Biosphere reserves in the Baltic Sea region** share their knowledge in the Biosphere for Baltic project.



**The Wadden Sea visitor centre** in Denmark shares a similar approach to the naturum.



**'Think Tank for Outdoor Recreation'** was one of many major conferences to be held in Vattenriket in 2019.

## Vattenriket – a venue for conferences

Vattenriket hosted numerous conferences during the year. Interest in visiting the area to learn more about biosphere activities was keen, both within Sweden and beyond.

In May the Swedish EPA held its annual 'Think Tank for Outdoor Recreation' in Kristianstad. Some 300 participants gathered to attend workshops on the theme of sustainable outdoor recreation and excursions led by the Biosphere Office. A week earlier, the Swedish Society for Nature Conservation had held its annual meeting in Kristianstad in order to focus on Vattenriket's activities.

Helge å Model Forest arranged a conference on brownification,

together with Helge å Water Council and Vattenriket, at the naturum visitor centre. In September expert botanists gathered in the species-rich Vattenriket for study visits and discussions about cultivated plants. The Nordic Unesco commissions met in Kristianstad to celebrate Vattenriket's 30th jubilee and learn more about activities here. And the annual Biosphere Conference took place, as usual, in collaboration with the Kristianstad University.

In addition, naturum Vattenriket also had 186 scheduled visits from other groups for meetings, lectures and tours during the year.

### International collaboration

As it is important for the biosphere reserve to serve as a model area for sustainable development, the Biosphere Office took part in several international exchanges during the year.

- Network for European Biosphere Reserves, EuroMab, in the Dublin Bay Biosphere.
- Network for Northern Biosphere Reserves, NordMAB, in Scotland's Wester Ross Biosphere.
- Collaboration for a healthier Baltic Sea, 'Biosphere for Baltic' meetings in Poland, Estonia and Sweden.
- Study trip to the Appennino Tosco-Emiliano Biosphere, Italy, focusing on sustainable tourism, rural development, new entrepreneurial ideas and nature education.
- Information about Vattenriket to the Montegrappa biosphere candidate, Italy.
- Exchange of experiences with the visitor centre in the Wadden Sea Unesco World Heritage Centre.
- Participation in a major new project, 'Biosphere Forests for the Future', together with a number of other European biosphere reserves.



## The year in review



### New initiatives for activities on the River Helge å

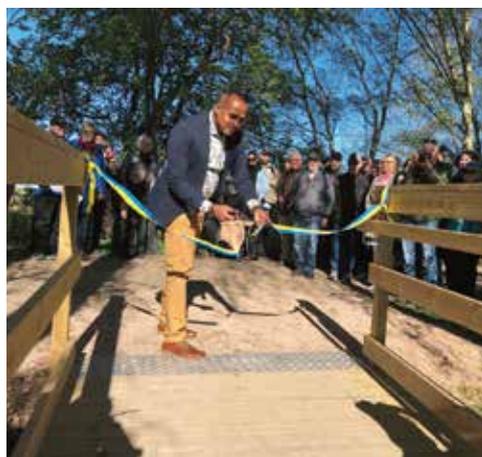
Canoeing in the tranquil natural surroundings of Vattenriket, where proximity to the city is combined with a genuine wilderness sensation, is a unique experience – and one that more people will now be able to enjoy. Pyret Ovesson, a nature conservation coordinator at the Biosphere Office, is working to develop the potential for canoeing on the river by creating more resting places, ideally with a jetty and barbecue facilities. Together with the Public Works Dept she has also begun work on improving signage through Lake Hammarsjön, where Kavröbro will be a focal point for the start of canoe trips, boating and fishing. Several parties are interested in developing recreation and hospitality services linked to the River Helge å and Hammarsjön. C4 Kayak Club, the Friends of Helge å and Näsby Gård Farm are some of those already involved in opening up more opportunities to explore and enjoy this almost Amazonian environment.



### Vattenriket receives conservation award

The Erik Rosenberg Foundation for Nature Conservation awarded its 2019 prize to Kristianstads Vattenrike, which has evolved over the past 30 years into one of Sweden's most successful conservation projects. In a press release the Foundation praised the biosphere reserve's initiators and co-workers for generously sharing their experiences and insights over the years in ways that have inspired many others to follow their example. Vattenriket's work demonstrates how to combine high natural values in the local landscape with public health, tourist appeal and the positive development of society, while outreach activities in the form of popular education are reminiscent of the naturalist Erik Rosenberg's own approach. Carina Wettemark and Andreas Jezek received the award and 30,000 kronor in prize money in Örebro on June 18.

Motivation: *'A visionary, long-term project to conserve, develop and provide access to the unique natural values of Kristianstads Vattenrike.'*



### At last – a boardwalk and a hide outside naturum

The original plans for a boardwalk and a hide adjacent to the naturum were frustrated by a lack of funding, but a couple of years ago money was made available and the idea was resurrected. There were challenges in terms of design and the exact location, but the result is a boardwalk that now leads through the reed beds to a hide close to the naturum pond. There are benches and informative signs, and lookout holes at different heights enable visitors to view the wetlands, the pond, the naturum and the city from a totally new perspective. Greylag geese carved by Vesa Jussila welcome visitors at the entrance, Emma Andersson's watercolour depicts life above and below the surface of the water, and Carl Christian Tofte's bird illustrations make identifying the different species easy. Since Qalinle Dayib, Chair of the Environmental Services Committee, cut the ribbon in the opening ceremony on 3 May, the boardwalk and hide have become hugely popular with visitors as a way to come closer to the flora and fauna of the wetlands.



### 'Think Tank for Outdoor Recreation' visits Kristianstad

The Swedish EPA attracted more than 300 attendees from all over the country to its 'Think Tank for Outdoor Recreation' in Kristianstad on 16–17 May. Under the theme of 'Sustainable Outdoor Recreation' the event discussed how life outdoors contributes to a sustainable society in terms of the economy, health, travel, consumption, social equality and the sustainable use of nature. As part of a full programme of workshops and excursions, participants heard about the work being done in Vattenriket and visited various visitor sites, including themed trips to Ekenabben ('Nature's Feelgood Factor') and Hercules ('Channelling visitor traffic'). Early risers could enjoy a jog around the Linnérundan Trail, birdwatching at Håslövs ängar or qigong on the naturum roof terrace. Others went canoeing on the River Helge å or walked the Linnérundan Trail to sample what the new Vattenriket section of the Skåne Trail has to offer.

## The year in review

### New bridge avoids road traffic on Linnérundan Trail

The Dept for Biosphere Activities and the Public Works Dept in Kristianstad have continuously improved safety with boardwalks, cattle-free trails and now a pedestrian bridge – as proposed by a local resident and the ornithologist Evert Valfridsson – to avoid road traffic on the Linnérundan Trail. The project, financed and overseen by the Public Works Dept, was completed in early spring, ahead of one of the finest – and busiest – seasons in Vattenriket. The bridge was inaugurated on May 22 (International Biodiversity Day and also the date when Kristianstad was founded) by Leading Councillor Pierre Månsson, Evert Valfridsson and Bengt Olsson, Head of the Public Works Dept. The three men tied an orange ribbon to symbolise Kristianstad with a blue one representing the wetlands, before raising three cheers for the city, Vattenriket, biodiversity and the new bridge. Coffee and cakes were then served to the 70 or so guests who had gathered to celebrate the occasion.



### The Stora Safari Boat returns to Vattenriket

After a two-year hiatus guided boat tours returned to Vattenriket, as the Stora Safari-båten sailed once more from the Tivoli Pier in Kristianstad to take both individuals and groups on the River Helge å. Tours began in mid-August with a new captain, Anders Elmfors, at the helm. Anders, who has a background in education and tourism, grew up in Kristianstad and it was here in the 1970s that he developed an interest in ornithology. In addition to popular scheduled trips from midsummer to mid-August that take passengers around Blackan Island with a shore stop to explore Lillö, the boat is available for group bookings at the start and end of the summer season. This much-appreciated opportunity to experience Vattenriket from the water is a key part of the local tourist offering at a time when nature tourism is booming.



### Students apply creativity to developing water values

Water was the focus for Kristianstad University's innovation event 'ToY Imagine' that attracted 200 students from the Landscape Science and Economics programmes. As a source of inspiration they were all able to experience Kristianstad's watery surroundings in different ways. A visit to naturum Vattenriket included lectures on the history of the biosphere reserve, a look at the exhibitions, a trip in the Opteryx and a short excursion to the nearby Årummet outdoor museum. Then work began in earnest, as the students spent two days devising concepts to utilise the opportunities that water provides to develop Kristianstad. There was certainly no shortage of ideas, from a caravan app to a floating restaurant, a spa and a pirate island. But the winning entry in the competition was a 'Nature Box' – a lunch box for excursions in Kristianstads Vattenrike.



### A true Vattenriket stalwart retires

When Sven-Erik Magnusson invited Hans Cronert to the Regional Museum to share his plans for a wetlands project it was the start of a 30-year long commitment to the wetlands and Kristianstads Vattenrike. The two men convinced the municipality, the County Administrative Board, the Swedish EPA and WWF to invest in measures to clear and restore the seasonally flooded grasslands and lakes. Work progressed and a number of visitor sites were established. As a nature conservation coordinator, Hans has received many prizes for his work and has many memories of working with authorities, landowners, users, associations and the general public to increase the extent of protection in the wetlands. He is also proud to have played a part in securing biosphere reserve status for Vattenriket with a naturum visitor centre as the jewel in the crown. And Hans's interest in and commitment to Vattenriket will continue in retirement, as he can now look forward to even more time to pursue his hobbies of birdwatching and nature photography.



# The year in review



## Nordic Unesco commissions visit the biosphere reserve

Over three days in September some 70 delegates from the Unesco commissions in Sweden, Norway, Denmark, Finland and Iceland met in Kristianstads Vattenrike Biosphere Reserve to share their insights into biosphere reserves and prepare for the Unesco General Conference in Paris. The visitors were informed about biosphere work and the activities of naturum Vattenriket, both in lectures and on field trips. One afternoon was devoted to a study trip to projects and visitor sites. Biosphere Office staff gave a summary of our work on visitor sites and the ‘Discover Vattenriket’ theme, and also explained how the creation of wetlands has helped improve water quality in the River Helge å and Hanöbukten Bay, and how cooperation with farmers and the County Administrative Board has limited damage done by migrating cranes.



## Music for the climate

Music that raises the temperature. Texts that explain and engage. Early autumn witnessed the first performance of ‘Music for the Climate’ in front of an audience of some 50 people as part of the Future Week programme. The event was a collaboration between Lund University’s Centre for Sustainability Studies, naturum Vattenriket, XL Big Band and the composer Claus Sörensen. The music, an expression of issues and scenarios raised in scientific articles penned by climate researcher Sara Brogaard, was played by the Kristianstad-based XL Big Band, one of Sweden’s foremost big bands. Naturum was chosen for the concert as this is a venue close to nature and where the commitment to sustainability issues is unmistakable. Art and music have always held a central place in the activities of naturum, as one of many ways to engage people and change attitudes.



## Selective fishing for clearer waters in the lakes

A 3-year selective fishing project will lead to clearer water and improve angling in Lake Råbelövssjön and Lake Oppmannasjön. The lakes’ fishery conservation areas applied for LOVA funding together with Kristianstad Municipality in autumn 2018, and the Biosphere Office took over project management in April 2019. The County Administrative Board is contributing 2.8 million kronor and the municipality 750,000 kronor. The Klara Vatten company commenced work in the autumn, corralling fish in a seine net 300 metres long and 3–10 metres high. Predatory fish – pike, perch, zander, etc. –are returned to the lake. White fish such as roach and bream are removed for conversion into biogas. This reduces populations of fish that contribute to eutrophication and improves the lot of the predators. A total of 250 tonnes of white fish will be removed from Oppmannasjön and 125 tonnes from Råbelövssjön.

Kristianstads Vattenrike Biosphere Reserve  
- benefiting nature and people

Read more on our homepage, where you will also find contact details  
[vattenriket.kristianstad.se](http://vattenriket.kristianstad.se)

