



Agency for Mature and Forest West Flanders
Vlaams Administratief Centrum (VAC) Bruges, Jacob Van Maerlantgebouw
Koning Albert I - Iaan I.2, 8200 BRUGES
T 050 45 41 76 and F 050 45 41 75
Ranger Koen Maréchal, GSM: +32 479 89 01 05
wwl.anb@vlaanderen.be

You can learn all about the LIFE+ nature project $\overline{\Delta TAR}$, the $\overline{\Delta win}$, the planned activities, see photos of the works, etc. on the website www.lifenatuurztar.be

Want to know more?



▼ nesting colony of black-headed gulls ▼ a cross-section of mud flat with cockles



a guide.

The salt marsh part of the Zwin on the Dutch side is only accessible with

camp and/or windsurf or erect a tent

play sports

bick plants or mushrooms

edisturb animals

In the Zwin you are not allowed to: smoke or make fires (fire hazard)

The area is not accessible during storms.

kustweerbericht.be/nl/watersporters.getij.asp.

The Zwin plain is influenced by the tides. More info about the tides can be found at the reception desk of the Zwin nature centre of via http://www.

balance and because we want to give nesting birds a chance at success.

Access to the Zwin plain is only possible via the Zwin nature centre. Dogs are NOT allowed in the Zwin because they might damage the fragile

The Zwin is only accessible for walkers. You can only walk on the walking trails indicated by the Zwin nature centre. Zwin guides may lead you off

The Zwin is a very valuable but fragile nature reserve. Visitors are kindly requested to respect the following rules:

Clear agreements

► Colletes halophilus bee on a Sea Aster



The Zwin

Countless people remember going to the Zwin on a school trip and experiencing this unique tidal area and its many birds.

Count Léon Lippens took the initiative to protect the entire saltwater tidal area in 1952. The Zwin had its heyday back then with a large biodiversity and many visitors.

This area has been silting up and grassing over since the 1980s.

The nesting islands are slowly disappearing and the fertile mud flats are changing into salt marshes. As a result, birds can no longer find food.

Compagnie het Zoute decided to sell the Zwin in 2006. The Zwin plain was purchased by the Agency for Nature and Forest of the Flemish government and the bird park fell into the hands of the Province of West Flanders. On the other side, the Dutch State (Domains) and the Zeeuwse Landscape Foundation are owners for the most part. For the nature restoration project, the Province of Zeeland prepared the Dutch government's decision process and consequently follows up the planned activities.

Together all these partners want to renew the Zwin and make it attractive for people and nature once again!

LIFE+ project ZTAR

With the ambitious LIFE+ project ZTAR the Agency for Nature and Forest and the Province of Zeeland want to give nature in the current Zwin plain a second wind. 'ZTAR' stands for Zwin Tidal Area Restoration.

The LIFE+ project ZTAR will run from 1 January 2011 to 31 December 2015 and will take the following concrete actions:

Excavation of freshwater pools

The natterjack toad is a European protected species that lives in the dunes but unfortunately no longer lives in the Zwin region. We want to give new opportunities to this rare amphibian and provide drinking water for the cattle and sheep that will graze here by excavating six freshwater pools.

Restoration of the nesting islands for birds

The lost islands will be recreated based on detailed research. The islands must be inaccessible for land predators and sustainable. After the excavations, scores of birds will once again be able to brood on the new islands.

Rejuvenation of the salt marsh

Because grazing was stopped, large parts of the Zwin are now overgrown by Sea Couch and the typical plants of the salt marsh have difficulty establishing themselves. That is why we will cut sods of grass over an area of 8 hectares. By doing so we will remove the top, mineral-rich layer. That way the mud flats and salt marshes can rejuvenate and plants such as annual Sea Blite, slender Glasswort and common Sea Lavender will be given the opportunity to develop.

▶ Exchanging information

(www.lifenatuurzeno.be).

Information boards will be erected during the works explaining the work methodologies and rationale for the works and the current accessibility of the Zwin plain

The ZTAR project will also be explained via an information evening, promotional films, an exhibition, brochures and guided walks. You can follow the latest developments on our website **www.lifenatuurztar.be**.



▲ aerial photo of the Zwin

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▲ former sheep grazing in the Zwin

Grazing management

Cows and sheep grazed in the Zwin up until World War II.

Because this is the ideal way to obtain and preserve a varied landscape, two grazing areas will be created. We foresee a grazing area of 80 hectares where cows will take care of conservation. This zone will be accessible via the walking trail. Just like in the past, the dike in the west will be grazed by sheep.

Restoration of the Zwin gully

The largest and most expensive part of the project is the deepening and broadening of the main gully of the Zwin. For these impressive works we depend on the tides, because the Zwin gully is constantly influenced by the sea. By enlarging the mouth of the Zwin gully a sufficient amount of seawater will once again flow into the Zwin thereby slow down the silting process.



▲ avoce

dunes and estuary areas so that everyone's experiences can be shared. The total cost of ZTAR is €4,135,521. Europe pays half, the Agency for Nature and Forest pays 41% and the Province of Zeeland pays 9%. ZTAR is the successor of ZENO, the nature restoration project that gave the Zwin dunes and Zwin polders, right next to the Zwin, a new look over the last few years

An international congress is planned in 2015 about the management of coastal

The Agency for Nature and Forest and the Province of West Flanders will modernise the visitor's centre in the future and create an observation post on and in the International Dike. Soon everyone will be able to enjoy a restored

NATURA 2000 & LIFE

The biodiversity (variety of species) has been deteriorating for years. To break this negative trend, Europe founded the 'NATURA 2000 network'. This network contains all areas that are designated based on the European Bird and Habitat directives and which we call 'special protection zones'.

The 'LIFE fund' was established to provide the required financial resources to realise and restore these special protection zones. 'LIFE' is an acronym for L'Instrument Financier Européen pour l'Environnement.

Due to their special ecological values, the Zwin and the surrounding area were recognised as Bird and Habitat directive areas so a LIFE+ project can be realised.

