Visit n°1 Kolbsenbach | Programme

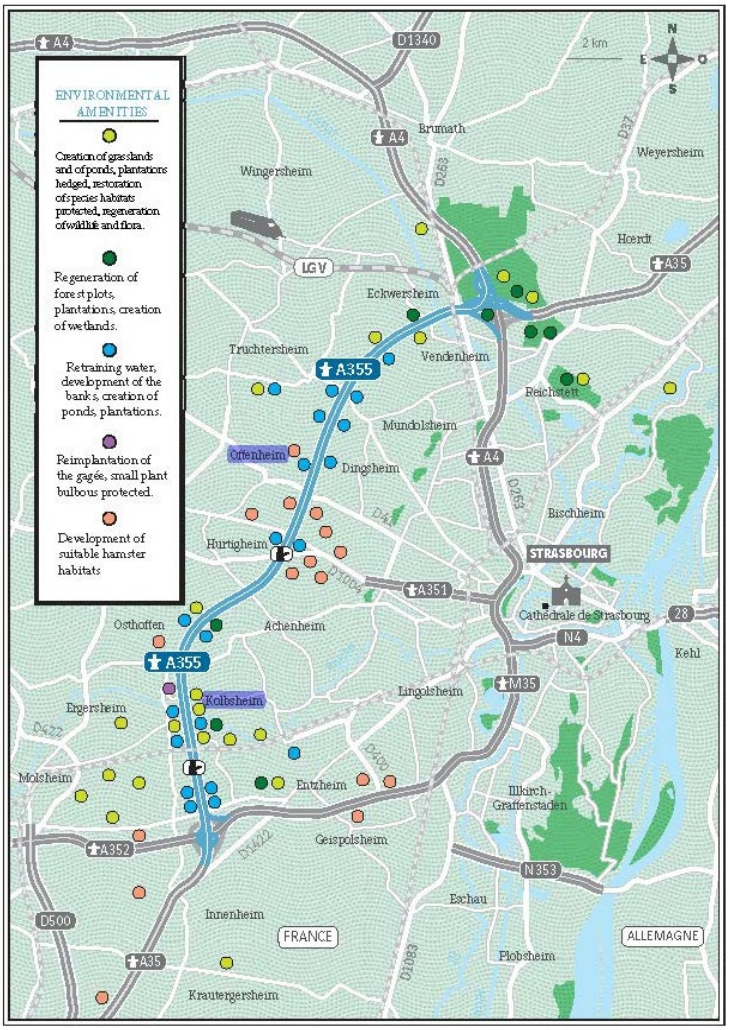
Meeting Date | Time *June 9 2023 | 07:30 AM* | Meeting place *Strasbourg Central Station*

Speakers

VINCI Autoroutes Alsace : Arnaud GUILLEMIN & Elodie SPIELMANN
FDC 67 - ELEMENT CINQ : Alexandre DERREZ
ELEMENT CINQ - TerrOïko : Michel DARAGON
OFB - Responsable PNA Hamster : Julien EIDENSCHENCK

Context

Inaugurated on 11 December 2021, the A355 highway - Bypass West of Strasbourg, conduct to the creation of 24 km of 2x2-lane highways. This led to implantation of compensatory measures: wildlife crossing every 200 m on average, 113 hectares of forest compensation (estimated impact of 33 hectares), 130 hectares of wetland compensation (estimated impact of 25 hectares). The map below shows all the environmental improvements made around the motorway. This field trip will provide an overview of the compensatory measures put in place for this project (highlighted in purple).



Content

1. Hamster release _ Stutzheim-Offenheim
2. Bioduc (innovative work of ecological transparency) along the RD41 and hamsteroduc (specific passage hamster).
3. Kolbsenbach site visit - in-situ compensation measure

Presentation

More discreet than the white stork, the large hamster, a typically Alsatian species and highly threatened, was the subject of all the attention during the evaluation and design of the compensatory measures of the COS. Closely linked to agricultural environments and their practices, the number of this rodent has drastically decrease with the appearance in Alsace of large corn monocultures in the late 1970s, until counting only 400 individuals in 2016. A campaign to strengthen the population was carried out with frequent large hamster releases which we will attend during this visit.

After this release, two innovative passages will be presented. Indeed, in addition to the passages planned for all types of wildlife, many bioducs and hamsteroduc have been developed specifically for the preservation of large hamster.

Finally, the visit will end with the presentation of the site of Kolbsenbach which is a site of compensation of measurement in situ, of 1.83ha in the south of Strasbourg.
This site has been the subject of several measures such as the creation of a functional wetland (conversion of ploughing to grassland), development of progressive vegetation belts by remodeling the land, creation of protected species habitats: Agrion de Mercure, Copper marsh, avifauna of semi-open environments and wetlands, bats, flora of wetlands, mammals, restoration of the stream.

Particularity

Language: French and English

Provide good walking shoesTake your ID card ou passport (NO driving licence)

Visit n°2 Dachstein | PROGRAMME

Meeting Date | Time *9 June 2023 | 09:30 AM* | Meeting place *Strasbourg Central Station*

Speakers

VINCI Autoroutes Alsace : Arnaud GUILLEMIN
FDC 67 - ELEMENT CINQ : Alexandre DERREZ

Context

Inaugurated on 11 December 2021, the A355 highway - Bypass West of Strasbourg, which represents the creation of 24 km of 2x2-lane motorways, has led to the introduction of very compensatory measures: a wildlife crossing every 200 m on average, 113ha of forest compensation (estimated impact 33ha), 130 ha of wetland compensation (estimated impact 25ha).
This field visit will provide an overview of the compensatory measures implemented as part of this project.

Content

1. Dachstein site visit - ex-situ compensation measure.
2. Plaine de la Bruche site visit

Presentation

The Dachstein site is an ex-situ compensatory site with a surface area of 17.5 ha .
The site before works is characterized by a very little marked relief, bordered to the south by the creek of Hardt and to the north by the railway and then urbanization. The land use is the field cultivation exclusively, intensive maizing. It is noted that the plots have marked humidity, with areas flooded during the passage on February 13, 2018. The context is dominated by great culture. The Hardt Creek is very degraded, straight and incised, with no ripisylve, a minimally reduced eutrophic grassed strip and banks occupied by a nitrophilic sail, a nitrophilic edge hem of the streams, alliance of the Calystegion sepii. These are hydromorphic soils.

The compensations selected and performed on this site are:

- Restoration and recreation of habitats of protected species, including 3 pools: Azure Marsh (breeding), semi-open avifauna, Mammals (forest cat, crossope, hedgehog), reptiles, bats, Green Toad
- Wetland restoration
- Preserve or improve the conservation status of habitats and species with conservation issues already present on the site
- Improved site ecological functionality

Then, we will visit the plain of «Bruche » where many ecological developments have been implemented: hydraulic compensation zone, ecological transparency structure and compensation pools.

Particularity

Language: French (we will do our best to provide also translation in English)

Provide good walking shoes

Take your ID card ou passport (NO driving licence)

Visit n°3 Hydroelectric power plant| PROGRAMME

Visit Date | Time *9 June 2023 | 1h30 PM* | Meeting place *Strasbourg Central Station*

Speakers

EDF Hydro EST : Sébastien LENOIR

Context

10 large hydroelectric power stations and 2 small power stations line the Rhine between Basel and Lauterburg, on nearly 185 kilometres of common border between France and Germany. The power plants operated by EDF represent a total capacity of 1,400 MW and produce an average of just over 8 billion kWh each year, equivalent to two-thirds of Alsace's electricity consumption (1.8 million inhabitants). These plants, which continuously exploit the flow of the river, derived by dams, are called "running water". This visit offers a discovery in the heart of the hydroelectric power plant of Strasbourg.

Content

1. Hydroelectric production
2. Navigation management
3. Fish continuity

Presentation

The visit to the Strasbourg hydroelectric power station will begin with an explanation of the hydroelectric production process. You will discover the different stages, from the capture of water to the use of turbines to operate generators and thus produce electricity without greenhouse gas emissions.
Next, the management of inland navigation within the power station will be presented. You will discover how locks are used to regulate the water level, thus facilitating the safe and fluid passage of boats. You will understand how the coordination between hydroelectric production and navigation is ensured to ensure a balance between the needs of these two activities.

Finally, another essential aspect of the visit will be devoted to fish continuity and the importance of fish passes. Several fish passes are present at the various hydraulic sites and since 2015, a fish pass has been installed at the Strasbourg power plant. They allow migrants to access their breeding areas in the Vosges, via the tributaries of the Ill, or in the Black Forest, thanks to the tributaries of the Kinzig. You will learn how these specially designed structures allow fish to cross dams and continue their natural life cycle. You will discover how the Strasbourg power station is committed to preserving the diversity of species and maintaining the ecological balance of waterways by offering sustainable solutions to ensure the continuity of fish migration.

By visiting the Strasbourg hydroelectric power station, you will be able to deepen your understanding of hydroelectric production, river navigation management and the importance of fish continuity.

Particularity

Language : English

Provide closed footwear
Provide long sleeve T-shirts

Take your ID card ou passport (NO driving licence)