



natur&ëmwelt
FONDATION
HËLLEF FIR D'NATUR



Water Experience Center Mill of Kalborn

Research center for universities,
colleges and high schools.



Water Experience Center – Mill of Kalborn

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The Water Experience Center offers universities, colleges and high schools the opportunity to attend classes and field trips with student groups.

We offer:

- A direct location next to the Our river, in the north of Luxembourg in the Natura 2000 site: "Ourtal" (LU 000 1002).
- A classroom with an area of approx. 100m²:
 - ▶ Tables with max. 36 seats.
 - ▶ 12 stereomicroscopes (Olympus, SZ51-45 (6 - 45x).
 - ▶ 10 microscopes (Olympus, CX33RTFS2 (40x - 1000x).
 - ▶ 1 microscope camera (connected to a projector).
 - ▶ Laboratory equipment in the field of water and sediment analysis are available.
 - ▶ 1 computer (connected to a projector).
 - ▶ A screen.
 - ▶ Bowls, petri dishes, tweezers, pipettes, buckets, nets etc.

See also: www.kalbermillen.lu

- Natura 2000 exhibition.
- Guided tour of the mussel breeding facility and info about nature conservation projects ("Life Unio" (www.unio.lu) and „Life Flussperlmuschel“).
- Picnic tables.
- We help to plan your visit (e.g. finding accommodation, arranging meals and transport).



Possible excursions into the Ourtal and at the Mill of Kalborn, which you can carry out with your students:

- River excursion.
- Determine water quality (saprobic index) from the Our river.
- Comparison of running water and lakes (e.g. the recreation lake in Weiswampach or the lake of the Upper Sûre Reservoir).
- Fish zones in the Our river.
- Water chemistry (chemical and physical parameters of the Our river).
- Visit of the mussel breeding facility + explanation of nature conservation projects.
- Botany or geology in the Ourtal (Natura 2000 site).
- Erosion experiments and observations on fields in hillside situation.
- If you would like to carry out another excursion please contact us - we are happy to help you.



See also: www.kalbermillen.lu



The Our river and the Ourtal at a glance: a few brief facts about the Our river.

- 96km long.
- Runs between 3 countries: Luxembourg, Germany and Belgium.
- The source is located in Belgium at 643m altitude.
- The confluence is located at Wallendorf (D) where the Our flows into the Sauer (at an altitude of 178m) and the Sauer eventually flows into the Mosel.
- Condominium: The Our river is a jointly administered territory of both countries all the way between Luxembourg and Germany.

- Dreiländereck - tri-point: close to Ouren (4 km from the mill) the three borders (B, D, L) meet in the Our river.
- Utilization: The Our is dammed in the north of Vianden (L) by the "Ourtalsperre" and forms the lower basin of the pumped storage power plant in Vianden (inspection is possible).

The pumped storage power plant offers the possibility to store energy. If necessary, water is drained from the upper reservoir and electricity is generated by turbines.
- At the height of the Mill of Kalborn you will find the trout or grayling region (salmon region). There is a diverse insect fauna and even a remaining population of the thick-shelled river mussel.

A few facts about the Ourtal

- The Ourtal at the Mill of Kalborn lies in the middle of the Natura 2000 site "Ourtal", which was created to preserve endangered plants and animal species and their natural habitats.
- The Ourtal is one of the richest landscapes in Luxembourg in terms of biodiversity. Here one finds many different habitats worthy of protection and often in good condition for various endangered species e.g. habitats for the brook mussel, the brook lamprey, the bullhead, the violet copper, the orange-spatted emerald, the eagle owl, the black stork and the kingfisher.
- The Ourtal is a notched valley, carved 300m deep into the slate and greywacke mountains of the Ösling.
- It has a high number of river bends and there is constant change between wide and narrow valleys.





Other destinations in the greater region:

- Vulkaneifel (Volcanic Eifel): Only 10,000 years ago, the Eifel region was still volcanically active. There are maars of the Eifel and numerous other testimonies of volcanic activities such as volcanic structures, lava flows and volcanic craters. One of two geoparks is located near the Kalborner mill: UNESCO Natural and Geopark Vulkaneifel (www.geopark-vulkaneifel.de). Approximately one hour away (depending on the destination in the park).
- Müllerthal / Mëllerdall: The Müllerthal is also a geopark. The region stands out not only for its imposing cliffs and gorges, but also for traditional orchards (Bongerten) with hundreds of fruit trees, large forests, a unique fern and moss flora, natural forest reserves within an area of 42% Natura2000 sites (www.mellerdall.lu).
- The High Fens in the eastern part of the Ardennes: approx. an hour away. It's the largest high moor in Europa.
- Upper-Sûre Reservoir: The reservoir plays an important role in drinking water supply for Luxembourg, the energy supply and recreation. Swimming, paddling, diving, surfing and sailing are allowed. Approx 45min away. (www.naturpark-sure.lu) Visit of the water treatment facility SEBES, ca. 45min away.
- Recreation lake Weiswampach, ca. 10 minutes from the Kalborner mill.
- Various projects by natur & ëmwelt.

See also: www.kalbermillen.lu



Accommodation (and transport)

Unfortunately, there is no accommodation at the Mill of Kalborn. However, there are some youth hostels or campsites in the vicinity, which can accommodate even larger groups:



10 minutes walk:

Camping Tintesmühle

Camping possible, cost: about 15 € per night / person * in the own tent, with showers and electricity.

www.campingtintesmuehle.lu



12 minutes by car:

Hostel „Musée rural Binsfeld, A Schiewesch“

Very cheap hostel with kitchen for self-catering and common room. Meals in the restaurant possible.

Cost: 10 € per night / person (+ cleaning costs) *

www.museebinsfeld.lu/fr/gite



16 minutes by car:

Hostel „Robbesscheier“

Nice hostel with many different sized rooms. Prices from about 20-25 € per night / person *.

Living rooms and kitchens for self-catering available.

www.destination-clervaux.lu/robbesscheier-angebot/unterkunft/sammeshaff



16 minutes by car:

Camping „Trois Frontières“ Lieler

Two cabins with kitchen for 4 persons each (about 15 € per night / person *) or a meadow on the edge of the campsite (about 10 € per night / person *) are available. Meals available in the restaurant at certain times of the year.

info@troisfrontieres.lu



20 minutes by car:

Auberge SNJ Weicherdange

Large youth hostel with 2 floors, 24 beds per floor in 2 to 6 bed rooms, floors can be booked individually, price 180 € per floor. Self-catering kitchen available, as well as barbecue area and outdoor benches.

Basketball, football and volleyball court available. Large meadow for camping can also be used, price meadow: 180 €, space for 50 people.

www.weicherdange.snj.lu

There are various possibilities for transportation
Please contact us

*The indicated prices serve as orientation. The Water Experience Center does not guarantee price accuracy. The current prices must be requested when booking at the respective hostels / campsites.

You would rather stay in a hotel? Please ask us.



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LE GOUVERNEMENT
DU GRAND-DUCHÉ DE LUXEMBOURG
Ministère de l'Agriculture, de la Viticulture
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