

**XIV Annual Meeting of the European  
Association of Vertebrate Palaeontologists**

Haarlem, The Netherlands

6-10 July 2016



**First Circular**



14th EAVP Annual Meeting  
Haarlem, The Netherlands  
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December 1st, 2015

Dear Colleagues,

We are delighted to invite you to the XIV Annual Meeting of the European Association of Vertebrate Palaeontologists, which will be held in Haarlem, The Netherlands. We are proud to announce that this edition of the annual EAVP meeting will take place in the historical Teylers Museum, the oldest Natural History museum in The Netherlands.

A warm welcome from our host committee:

Femke Holwerda, Hanneke Meijer, Dennis Voeten, Anneke Madern, Jelle Reumer, Natasja den Ouden, Anne Schulp, Wilma Wessels, Anneke van Heteren, Melanie During

Programme Committee:

Hanneke Meijer, Dennis Voeten, Natasja den Ouden, Jelle Reumer, Anneke van Heteren

Student Committee:

Stephan Spiekman, Jasper Ponstein, Tom Trapman, Dylan Bastiaans, Sifra Bijl, Mart Smeets, Yanell Braumuller, Tim Rietbergen, Pim Kaskes, Juliën Lubeek, Auke-Florian Hiemstra



e-mail: [eavp2016@gmail.com](mailto:eavp2016@gmail.com) ---Teylers Museum, Spaarne 16, 2011 CH Haarlem



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### !!! Call for symposia !!!

The call for symposia is now open; proposals can be submitted until the 31st of January 2016.

If you have a thematic session in mind, please provide a proposal that includes a short description of the topic and a list of speakers (please make sure you have as many confirmed speakers as possible), and send this information (max. one A4 page) to [eavp2016@gmail.com](mailto:eavp2016@gmail.com).

### Key dates and deadlines

Deadline for symposia proposals - **January 31**

Start of registration & call for abstracts - **February 1**

Deadline for abstract submission - **March 31**

Abstract decisions announced - **May 1**

Deadline early bird registration - **May 15**

Deadline for regular registration - **June 1**

Definitive conference programme available - **June 15**

EAVP Haarlem meeting, workshops and excursions - **July 6-10**



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## **Preliminary Programme**

- Wednesday July 6:**
- Registration
  - Transmitting Science Workshop
  - Icebreaker party
- Thursday July 7:**
- Presentations, posters and symposia
  - General Assembly and Auction
- Friday July 8:**
- Presentations, posters and symposia
  - Conference Dinner
- Saturday July 9:**
- Presentations, posters and symposia
- Sunday July 10:**
- Excursions



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## Field trips:

### **ENCI-HeidelbergCement Group quarry – Sint-Pietersberg, Maastricht**

On the outskirts of the city of Maastricht, along the Lage Kanaaldijk, lies the large quarry of the ENCI-HeidelbergCement Group. Open-pit mining started here in 1926/1927 and will come to a halt in the summer of 2018. Although Cretaceous deposits have been mined for centuries for their use as building material, the limestones are nowadays extracted for the production of Portland cement. In recent years, the so-called *Plan van Transformatie ENCI Terrein* has been implemented that is, among other goals, aimed at providing access to the quarry grounds for all interested parties, including Natuurmonumenten (Society for Preservation of Nature Monuments). At various places within the quarry, preparations are now being made for the final 'quarry scaping', and the large staircase down into the quarry on the northern face is already open to the public, allowing visitors to traverse the quarry grounds on their way to chalet D'n Observant, in the south.

The quarry includes the stratotype of the Maastrichtian Stage (72.1-66 Ma; [www.stratigraphy.org](http://www.stratigraphy.org)); which is represented by a steep rock face below the Lichtenberg farmstead and behind the main office building at the Lage Kanaaldijk. Here, the historical base of the 'système maestrichtien' of Dumont (1849) is preserved. This level corresponds to the base of the Valkenburg Member; the lowermost unit of the Maastricht Formation.

From recent studies it has become clear that all strata (biocalcarenites) exposed in the quarry, even those in the deepest pit (now partially refilled), are of Maastrichtian age. The unexposed boundary with the underlying Campanian deposits have been recognised in several boreholes on site. Milanković cyclicity appears to have had a significant influence on flint genesis and banding, mostly in the Lixhe and Lanaye members of the Gulpen Formation. Higher upsection, in the upper part of the Maastricht Formation, hardgrounds, fossil hash layers and abrasion levels are common. The boundary between the Cretaceous and Paleogene (K/Pg boundary) is not exposed here, although originally it must have been present, at least in the southwestern part of the quarry. The Late Eocene/Early Oligocene transgressive pulse probably led to severe erosion in the area.

Rich vertebrate faunal assemblages are preserved at numerous levels and include neoselachians and teleosts of various kinds, as well as chelonoid turtles and mosasaurid squamates. Washed-in remains of hadrosaurid dinosaurs and mammals are rare. In recent years (1998-present), at least four individual mosasaur specimens have been discovered, nicknamed Bèr (holotype of *Prognathodon saturator*, August 1998), Kristine (*Plioplatecarpus marshi*, August 2009), Carlo (*Prognathodon* sp., September 2012) and Lars (*Mosasaurus hoffmanni*, April 2015).



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Historically speaking, the Sint-Pietersberg is the birthplace of mosasaurs. The first partial skull (now in the collections of Teylers Museum, Haarlem) was unearthed in 1766, the second followed in October 1778. The latter specimen was described as the type of *Mosasaurus hoffmanni* in 1829. Both of these originated from the subterranean galleries within the Nekum Member (Maastricht Formation), now visible in the northeastern quarry face. Needless to say, mosasaurs featured prominently in preliminary ideas about 'evolution' during the early nineteenth century.

Because of excavations within the framework of the *Plan van Transformatie*, almost all levels within the upper Gulpen Formation and the entire Maastricht Formation can be reached and sampled. Isolated tooth crowns or elements of the appendicular skeleton can still be found on a regular basis, but (semi-) articulated individuals of mosasaurs are rare. The same goes for chelonoids. We shall also be paying a visit to the 'De Schark', a war monument that can be accessed via the quarry. Here the activities of so-called *blokbrekers* (workmen cutting rocks, by chisels and saws) and local artists (charcoal drawings, inscriptions and sculptures, including a fanciful mosasaur) can be marvelled at.

John W.M. Jagt, November 2015

<https://nl.wikipedia.org/wiki/ENCI-groeve>  
[www.enci.nl/nl/plan-van-transformatie](http://www.enci.nl/nl/plan-van-transformatie)  
[www.enci-gebied.nl](http://www.enci-gebied.nl)



Enci Quarry





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## Field trips:

### Pleistocene remains from the Maasvlakte II - Rotterdam

Maasvlakte 2 is a major civil engineering project in The Netherlands, constructing an extension to the Port of Rotterdam, and supporting infrastructure on reclaimed land adjoining the Maasvlakte. Less than ten years ago, this area was still submerged. This makes it the youngest beach of the Netherlands.

The Maasvlakte is still growing; it is being created by spraying sand from various sand extractions sites in the North Sea into the designated area west of the Port of Rotterdam. This sand is Pleistocene in age and functions as a continuous supply of fossils ranging from megaherbivores such as mammoths, horses, deer, bison and other ice age giants to small rodents such as mice. We can also find remains of carnivores; bears, lions, and hyaenas. In the Pleistocene, this area was part of the mammoth steppe connecting Great Britain to mainland Europe. Unfortunately, the fossils are found without stratigraphic context, but they are nevertheless valuable to science. For example, a hyaena coprolite from the Maasvlakte II that has been CT-scanned has shown that this particular hyaena had hamster on the menu, which may have been true for the entire species. Moreover, even skull fragments and tools of humans from the Stone Age have been found at Maasvlakte II.

Anneke van Heteren



Mammoth molar



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### Why Haarlem?

Haarlem is an old Dutch city that dates back to 1245, which makes it older than Amsterdam. The exact origins of the name 'Haarlem' remain unclear, as is its inhabitants' strange nickname: 'muggen' (mosquitoes). Haarlem's small streets are filled with monumental buildings, such as houses dating back to the Golden Age with typical crow-stepped and clock gables. The picturesque city centre is surrounded by the river Spaarne, flanked by a windmill and has art galleries full of paintings from the Dutch masters. A unique aspect of Haarlem is the presence of late fourteenth century 'hofjes' (small courtyards).

Haarlem is a city of pioneers. The Dutch, 'mug' Laurens Janszoon Coster is the inventor of the printing press. His statue can be found at the Grote Markt. Anthony Fokker flew his first plane around the Great Church in 1911. In 1839, the first train track of the Netherlands ran between Amsterdam and Haarlem, leading to the hamlet exactly in the middle being called 'Halfweg' (halfway). The oldest newspaper that is still in circulation is the 'Haarlems Dagblad', and the Jopen brewery still brews traditional Haarlem beer in the old Jopen church.

Do not forget to take a good look at the Haarlem train station. Brad Pitt chose it as one of the filming locations for 'Ocean's Twelve' because he was so impressed by its beauty. Notably, in the final movie, footage showing the Haarlem train station is actually meant to represent Amsterdam Central Station. For anyone still interested in seeing the latter; Amsterdam is only a 15 minute train ride away.

### Anneke Madern



Grote Markt





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### Why Teylers Museum?

Teylers Museum, situated on the picturesque banks of the river Spaarne, was opened in 1784 and was envisaged as a public space for art and science. It is named after Pieter Teyler van der Hulst (1702-1778), a successful business man with a great interest in fossils and minerals, as well as in books and art. After his death, his will dictated that his collections be publicly displayed, leading to the expansion of what is now Teylers Museum.

It remains the oldest museum in The Netherlands and has retained much of its original displays and cabinets. The collections house a wealth of material, from mosasaurs, an *Archaeopteryx* specimen and other Solnhofen material, to Jurassic marine reptiles and Pleistocene mammals.

The collections are open for EAVP visitors, but only on request. Please contact Anne Schulp for more information ([anne.schulp@naturalis.nl](mailto:anne.schulp@naturalis.nl)).

[www.teylersmuseum.nl](http://www.teylersmuseum.nl)



Fossil display room in Teylers with original cabinets



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## Accommodation

Haarlem is not the most affordable of towns with respect to accommodation. We did, however, select a few budget, mid-priced and top-end hotels for you, which can be found below. With the exception of the StayOkay, these are all close to Teylers Museum. Prices may vary, below is only an indication. For more information, see for example Haarlem.com or Booking.com

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**StayOkay** - Jan Gijzenpad 3  
[stayokay.com](http://stayokay.com)

We have reserved 10 beds in backpacker's hotel 'StayOkay Haarlem', on a first come, first served basis. The price per night per person is 27 Euros. An extra amenity is a bicycle rental service costing 14,50 Euros for two days. This will secure a quick connection to the meeting venues but also provides an excellent means of transport for exploring Haarlem in real Dutch style.

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**Hello I'm Local Boutique Hostel** - Spiegelstraat 4, €78-88  
[helloimlocal.com](http://helloimlocal.com)

**Amadeus Hotel** - Grote Markt 10, ±€75 for a double room  
[amadeus-hotel.com](http://amadeus-hotel.com)

**Hotel Carillon** - Grote Markt 27, ±€87 for a double room  
[hotelcarillon.com](http://hotelcarillon.com)

**Joops Hotel** - Lange Veerstraat 36, €63 for a double room  
[www.joopshotel.nl/en](http://www.joopshotel.nl/en)

**Ambassador City Centre Hotel Haarlem** - Oude Groenmarkt 20, ± €80 for a double room  
[www.ambassadorcitycentrehotel.nl/en](http://www.ambassadorcitycentrehotel.nl/en)

€€€

**Amrath Hotel Frans Hals Haarlem** - Damstraat 10, ±€138 for a double room  
[amrathhotels.nl](http://amrathhotels.nl)

(More information will follow in the second circular)



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### Food and drinks in Haarlem

We suggest the following restaurants/café's for your convenience, but feel free to wander off the beaten path!

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Taste of India  
Gedempte Oude Gracht 53  
2011 GL Haarlem  
[www.tasteofindiahaarlem.nl](http://www.tasteofindiahaarlem.nl)

Luca - Italian  
Spaarnwouderstraat 99zw  
2011 AC Haarlem  
[www.ristoranteluca.nl](http://www.ristoranteluca.nl)

Hofje zonder Zorgen - lunch  
Grote Houtstraat 142a  
2011 SV, Haarlem  
[www.hofjezonderzorgen.nl](http://www.hofjezonderzorgen.nl)

Cantina023 – Tex-Mex  
Kleine Houtstraat 13,  
2011 DD, Haarlem

De Soepkantine – soup soup soup,  
lunch and (early) dinner  
Gierstraat 4  
2011 GD, Haarlem

Jamón Jamón – Spanish  
Schagchelstraat 14  
2011 HX, Haarlem

Aangenaam – Fair food for a fair price  
Kleine Houtstraat 105  
2011 DK Haarlem  
[www.aangenaametenendrinken.nl](http://www.aangenaametenendrinken.nl)

Ome Pietje – fancy food for café prices  
Spaarne 80  
2011 CL Haarlem  
[www.omepietje.nl](http://www.omepietje.nl)

Friethoes – Fresh & fast fries with  
special toppings  
Kruisweg 43  
2011 LA, Haarlem

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Café De Lange Heer – simple,  
good food with fresh fries from the  
Friethoes  
Lange Herenstraat 6zm  
2011 LH, Haarlem  
[www.cafedelangeheer.nl](http://www.cafedelangeheer.nl)

Jetties – Eco lunch, burgers and  
sweets  
Kruisweg 57  
2011 LB Haarlem  
[www.jetties.eu](http://www.jetties.eu)

Jopenkerk – Brewery in an old  
church, lunch & dinner (must-go!)  
Gedempte Voldersgracht 2  
2011 WB Haarlem,  
[www.jopenkerk.nl](http://www.jopenkerk.nl)

€€€

Spektakel – World dishes  
Spekstraat 4  
Haarlem  
[www.spektakel.nl](http://www.spektakel.nl)



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## How to get there

**By plane:** Schiphol Airport is the major airport of The Netherlands and has good connections to nearly all major European (and intercontinental) airports. Schiphol has a train station that connects to Haarlem by train within half an hour (including one change of trains). A direct bus service to Haarlem train station is also available, which takes about 40 minutes for the trip. For more information, please see:

[www.schiphol.nl/index\\_en.html](http://www.schiphol.nl/index_en.html)

[www.schiphol.nl/WelcomeToSchiphol/GettingToAndFromSchiphol1/ByPublicTransport1.htm](http://www.schiphol.nl/WelcomeToSchiphol/GettingToAndFromSchiphol1/ByPublicTransport1.htm)

A second option is Rotterdam Airport, which has a more limited amount of connections with other European airports. For more information see:

[www.rotterdamthehagueairport.nl/en/](http://www.rotterdamthehagueairport.nl/en/)

Cheap flights with Ryanair usually run to Eindhoven Airport in the south of The Netherlands. For more information see:

[www.eindhovenairport.com/en/](http://www.eindhovenairport.com/en/)

**By train:** Haarlem Central Station connects with places throughout The Netherlands. For connections, please check:

[www.ns.nl/en/travellers/home](http://www.ns.nl/en/travellers/home)

**By bike:** Follow the signs saying 'Teylers Museum', which are well-marked throughout the city. Haarlem, as with most Dutch cities, is very bicycle-friendly.

**On foot:** Follow the signs saying 'Teylers Museum' from Haarlem train station, this should be a 15-20 minute walk. Our student team will be there to guide you through, so do not worry about getting lost!



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Save the date!!!

July  
6-10 2016



See you  
there!!