

**Report Meeting Subcommittee Paleogene and Neogene Stratigraphy  
Meeting KBIN, 28/03/2022**

**Present:** Katrien De Nil, Stijn Everaert, Stijn Goolaerts, Rik Houthuys, Stephen Louwye, Hervé Van Baelen, Noël Vandenberghe, Kris Welkenhuysen

**Meeting Report previous meeting 14/01/2021:** approved

**Welcome to a new member**

The subcommission is happy to welcome Johan Vellekoop as a new member of the subcommission. Johan is a paleontologist and employed at KULeuven and RBINS, with a research interest in Maastrichtian and K-Pg boundary stratigraphy, paleoecology and paleoclimatology, and climatic and biotic changes in the Eocene greenhouse world.

**Neogene stratigraphy**

**Update organisation symposium and excursion**

- Sibelco, VITO, Qmineral and Samsuffit are sponsors of the event
- Almost 60 persons are already registered for the symposium (max. 75). [At the moment of writing this report:] the excursion is fully booked with 45 registrations.
- All preparations for the symposium are ongoing (drafting excursion guide, planning drillings in Schoten and Stabroek, catering and personnel planning, bus reservation,...).
- Final discussion at the end of the symposium: it will be an open discussion with all present on future research paths. Noël has made a document in preparation of this topic. The topics will be send to TNO and NRW to be able to potentially prepare input for the discussion concerning these topics.
- LIS-files:
  - o All LIS-files, except for Berchem and Bolderberg Fm are available. Stephen will ask Jef to draft these files. We will send out a status update.
  - o Standardisation of the LIS-files is planned (authors, dataset, (uniform) language, references) when the files are stable.
  - o A discussion was held concerning on how to document the authors/compiles of the LIS-files. Compiling authors will be named on the LIS-file. The publication of the original reference of the unit, of which the compiling authors have made a current state, is referenced to in the describing text of the unit, as this can be multiple references including comments. The option to make a GB-publication of the LIS-files is still open.
  - o Michiel Duser has sent in a LIS for the Oligocene Boncelles Formation in correlation with the Voort Sand Member, with co-compilers Vandenberghe and Demoulin. This proposal defines the Boncelles Formation sensu strictu in comparison with the Boncelles Formation sensu latu, as used on the Walloon Map. The Boncelles Formation s.s. is now a well-defined unit of Chattian sand. This LIS file takes into account the latest revision of the stratigraphy in the type area by Marion et al. (2018) and Delcambre (2018), who incorporated the Boncelles Formation in the proposed Rocourt Group, but gave it a different meaning depending on the geographical context. Here in particular, the upper 'Chattian' part of the Oligocene sands is

considered, following the subdivision by Fourmarier (1934). Rik gave some textual remarks.

- Lillo Fm: Stijn Goolaerts and Jef Deckers need to coordinate with each other concerning the interpretation of the Verrebroekdok in the LIS [Jef was contacted after the meeting concerning this point].
- Rees Mbr: Noël asks clarification whether to keep Rees Mbr as part of the Mol Formation, for which it is too coarse, or the include it in Merksplas Formation. This needs to be coordinated with Jef [Jef was contacted after the meeting concerning this point].

### **Rumst quarry sampling and results**

Stijn Everaert and Jef Deckers prepared a presentation of the results of the samples taken at the Wienerberger - Rumst quarry on 19/11/2021. Interesting results concerning grain size, glauconite content and fossil research were shared. More results will be added in the near future. A lively discussion has been held whether the samples are of the Edegem Member or not. The discussion remains open. Noël Vandenberghe gave the suggestion to analyse the clay mineralogy and the heavy minerals.

### **Paleogene stratigraphy**

#### **Brussels Formation**

- The proposal for the Brussels Formation is sent out for approval to the NCS. This will be decided during the next meeting (to be planned).
- Diegem construction pit:
  - Several members visited the Diegem pit, with contact of Lede Formation and Brussels Formation. A discussion on the decalcification and the contact Lede/Brussel was held. The base of Lede Formation was reworked and collapsed after decalcification. Rik Houthuys confirmed that the Brussels sand and the decalcification in the pit are as can be expected for this formation (Machelen Member, Lakeniaen facies). The pit is documented by Jasper Verhaegen and Roel De Koninck and will be published as a VPO-report. Data will be available on DOV.

#### **Varia**

- By Stijn Goolaerts: the Oosterweel project is again postponed
- By Stijn Everaert: samples of a dry trench in Booischot in research by Munsterman, looks like a Diest incision in Zonderschot Mbr. To be continued.

<b>Next meeting: date to be decided after the symposium</b>
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Attachment:

- Proposal Brussels Fm
- Research ppt Rumst samples
- Current status LIS-files

Stephen Louwye, chair of the SC-PN  
Katrien De Nil, secretary of the SC-PN