

**Report Meeting Subcommittee Paleogene and Neogene Stratigraphy  
Online Meeting, 31/03/2023**

**Present:** Rieko Adriaens, Chandra Algae, Jef Deckers, Katrien De Nil, Stijn Everaert, Stijn Goolaerts, Rik Houthuys, Stephen Louwye, Hervé Van Baelen, Noël Vandenberghe, Johan Vellekoop, Jasper Verhaegen, Kris Welkenhuysen, Laurent Wouters

**The meeting was online via MS Teams, and had a focus on the ongoing procedures concerning stratigraphic discussions, proposals and publication.**

**Brussels Formation**

- The Brussels Formation proposal document was approved and published by the NCS.
- Katrien De Nil will draft the summary of the Brussels Formation in such a way that it is suitable for publication in the new structure of the NCS-website (see\*\*).
- The stratigraphical codes in DOV will be adapted so that only the new stratigraphic division for the Brussels Formation can be used in formal stratigraphic interpretations as from the date of publication.

**Neogene stratigraphy**

- The Neogene LIS-document is published as a discussion text on the website. Changes since the publication, according to the recent discussions:
  - o The LIS from the Poppel Facies is now a separate unit between the Kattendijk Formation and the Kasterlee Formation.
  - o The Rees Facies is considered as a formal unit separated from the Merksplas Formation and the Mol Formation.
  - o The complete LIS-document will be reviewed according to the ICS-rules.
- The stratigraphic tables will be adapted by Stephen, Jef and Jasper, in accordance with the above-mentioned changes, and they will be integrated in the complete LIS-document;
- The document will be sent to the NCS as a proposal text once all the above-mentioned changes are received and implemented by the secretary.
- The reference section in each individual LIS-file is still blank. It will be completed at the moment of publication on the NCS-website. It will contain the URL and date of publication (see \*\*).
- Groups, e.g. based on glauconite content, are not yet defined for the Neogene. This remains an open item.

**Rupel Group**

The Rupel Group discussion document circulated within the 'Rupel Working Group'. Noël Vandenberghe received some oral remarks as well as a review by Hervé Van Baelen. As a result, the text is almost ready to be published as a proposal on the subcommittee webpage (due date end of May 2023). In the meantime, Jasper Verhaegen and Jef Deckers reworked the figures and logs, and Marleen De Ceukelaire and Katrien De Nil standardised the dataset.

The LIS-document is made up as a group-document, with common dataset, figures and references. When all the individual units will be published, the link to this complete document will be available on each html-page of the units.

Some minor discussions that are still open:

- Fault pattern on the individual stratigraphic levels of the different units are possible, based on the 3D model;
- Borders of the units in the 3D model must be updated;
- Unit A in Eigenbilzen Formation: from a hydrogeological and geotechnical viewpoint, it is more related to the Boom Formation.

An email will be sent to all members when the Rupel Group proposal document is available for comments on the Subcommittee 'Proposal and discussions' - webpage.

#### **Varia:**

- Template LIS new NCS website (\*\*):

Kris Welkenhuysen presents the evolution of the construction of the new NCS-website. This was previously discussed between Kris Welkenhuysen and Katrien De Nil regarding the subcommittee's LIS-standard and discussions. This draft will later be sent out to all subcommittees for their input.

The subcommittee members are impressed by the work so far. Implementing this new website will lift the work and the documentation of the NCS to a higher level. The members discussed the draft, asked questions and gave suggestions:

- No limitation of number of pages, but it is recommended to keep the html-page as concise as possible;
  - archived versions must be available on site
  - it should be possible to download several LIS-files simultaneously;
  - figures should be placed in the attached document and preferably not on the html page;
  - the reference, including the URL and publication date, will be made by the NCS upon publication of a unit.
- Marco Schiltz informed about 2 new construction pits in Edegem and Lint and is willing to do some CPT's in the Rumst quarry (see attachment). The CPT's would be a good addition to the already available CPT's with less good resolution.
  - Stijn Everaert reports:
    - o a deep pit on the Plantin en Moretuslei in Antwerp. The Antwerp Sands Member will be exposed;
    - o he is working on the paper of the Rumst quarry and of the Rubenshuis pit, and he will inform the group when a next site visit is planned;
    - o the very interesting fauna, sandstones and abundant shell fragments from the construction site in Lille. The shells fragments have been sent to Frank Wesselingh.
  - Stijn Goolaerts mentions:
    - o it is very difficult to get access to the Zeebrugge dock.
    - o the preliminary planning for the Scheldt tunnel pit is from the end of May until summer;
    - o a trench for a gas--pipeline will be dug from Ninove to Mollem
  - Rik Houthuys asks if anyone has info about the drillings related to recent works at the "4- armen" junction. He was informed about the drilling campaign of the N60 in Ronse. Agreements of storing the samples of this campaign in the Geotheek have already been made by Katrien De Nil with the Werkvenootschap.

- The BAG excursion information was shared by email to the Subcommittee members. It is an interesting excursion for Pliocene experts it is and an opportunity for sampling.

**Next meeting: will take place in the second half of October. It will be an elaborated subcommittee meeting where members and students can present and discuss their stratigraphic results and new insights.**

Attachment:

- mail Marco Schiltz 30/03/2023 temporary outcrops

Stephen Louwye, chair of the SC-PN

Katrien De Nil, secretary of the SC-PN