

NCS Subcommittee Permian – Triassic - Jurassic – Activity report 2024

Compilation: M. Dusar, secretary (v1, 22.1.2024)

Members: No changes in the subcommittee membership have occurred.

Activities: The main interest is in the outcropping transboundary area between Gaume, Gutland and Lorraine, with focus on the Grand-Duchy of Luxembourg, especially paleontological work facilitated by the Musée national d'histoire naturelle de Luxembourg, geoheritage promotion on the schistes carton and former minette mines at the border between GDL and France and the Mëllerthal Geopark at the border between GDL and Germany. Applied geotechnical studies or subsurface reconnaissance is an ongoing activity but rarely makes it to a publication list. Some studies on Jurassic building stones in Belgian monuments or archeological context are included in the publication list.

No particular activities were performed on the Permian – Triassic – Jurassic of the concealed Campine Basin in 2024, except indirectly by deep subsurface mapping projects in The Netherlands. Cartographic data for Flanders can be consulted on <<https://dov.vlaanderen.be/page/3d-subsurfaceviewer>>

Selective publication list 2024

(Gaume / Lorraine / GDL)

Fuchs, Dirk; Weis, Robert; Thuy, Ben, 2024. Simonitheutis, a new vampyromorph coleoid with prey in its arms from the Early Jurassic of Luxembourg. Swiss Journal of Palaeontology, 143-6, 10 p.

Weis, Robert; Delsate, Dominique; Klug, Christian; Argyriou, Thodoris; Fuchs, Dirk, 2024. Pachycormid fish fed on octobranchian cephalopods: new evidence from the 'Schistes bitumineux' (early Toarcian) from southern Luxembourg. Swiss Journal of Palaeontology, 143:5, 16 p.

Remacle, Laurence & Michel, Georges, 2024. Sur les traces des mineurs de Gaume. Visite au Musée Minier Métallurgique de Musson - Halanzy (4MH). Eco Karst, N° 136 - 2ème trimestre 2024: 6-12.

Gruslin S., Hennebaut T., Meyer R. & Colbach R., 2024. First evidence of Triassic above the Devonian of the Oesling (Luxembourg)? 8th International Geologica Belgica Meeting 2024 - Liège 11-12-13 September 2024: poster + abstract book pp. 188-189

Gruslin S., Hennebaut T. & Tirone M., 2024. Multiple landslides in a natural touristic area (Mullerthal, Luxembourg). XIVth International Symposium on Landslides, 8th-12th July 2024, Chambéry, France: abstract + poster

GEOCONSEILS, Lotissement rue du paquis à Halanzy, Avis géologique concernant la problématique des « schistes cartons », report 20240376-GC-GEOTEC-GEOL, 08/07/2024

(Campine)

Cecchetti E; Martinius AW; Bruna P-O; Bender A & Abels HA., 2024. Structural controls on the Triassic Main Buntsandstein sediment distribution in the Roer Valley Graben, the Netherlands. Netherlands Journal of Geosciences / Geologie en Mijnbouw, 103 e23 doi.org/10.1017/njg.2024.17, 19 p.

ten Veen, J.H.; den Dulk, M.; Nelskamp, S.; Houben, A.J.P.; Kaliar, AL.; Witteman, T.T. & Altenburg, R.J., 2024. H3O-Diep Zuid-NL. Rapport in concept: De ondergrond van de provincies Noord-Brabant en Zeeland in meer detail. TNO 2024 R11169 – 14 oktober 2024, 98 p.

(Building stones)

De Schutter, Leo; Duser, Michiel; De Ceukelaire, Marleen, 2024. Archeologische opgraving Noorderterras. Natuursteen in de depositie van ballaststeen en hergebruikte bouwmaterialen van de Burcht, Scheldekaaien – Noorderterras (Antwerpen): aanvullend onderzoek van gesteenten opgeslagen in het Felixarchief. Scientific Reports of the Geological Survey of Belgium, 2024/03, 56 p.

Dreesen, R.; Duser, M.; Debonne, V.; Declercq, W., 2024. Contexte géologique du grès à ciment calcaire de Boulogne (« Pierre de Baincthun »), pierre de construction médiévale importante des Comtés d'Artois et de Flandre. Revue du Nord, no 50 hors série Collection Histoire: 113-130.

Dreesen, Roland; Goemaere, Eric; Kremer, Gabrielle, 2024. Provenance analysis of the natural stones in funerary monuments from the western part of the Civitas Treverorum. In: Zeit(en) des Umbruchs. Akten des 17. Internationalen Kolloquiums zum provinzialrömischen Kunstschaffen, Wien – Carnuntum, 16.–21.5.2024. Veröffentlichungen aus den Landessammlungen Niederösterreich, Nr. 7: 43-50.

Duser, M., 2024. Heilige Geesthof en kapel van Overloo - natuursteenidentificatie. Studie t.a.v. Thijs Goemans. Koninklijk Belgisch Instituut voor Natuurwetenschappen - Belgische Geologische Dienst, 12/08/2024, 34 p.