

1. TITLE OF CONSTITUENT BODY and NAME OF REPORTER

Subcommission on Cretaceous Stratigraphy (SCS)

Maria Rose Petrizzo, Chair; Michael Wagreich and James Haggart, Vice-chairs; Francesca Falzoni, Secretary

22 November, 2018

2. OVERALL OBJECTIVES AND FIT WITHIN IUGS SCIENCE POLICY

- To establish a standard global stratigraphic subdivision and nomenclature for the Cretaceous, as part of the ICS standard global stratigraphic scale.
- To produce a stratigraphic table displaying agreed subdivision to stage and substage level, marking boundaries that are defined by a GSSP.

3. ORGANISATION - interface with other international projects / groups

SCS has always been linked to important international Projects such as IODP, IGCP, Mesozoic Planktonic Foraminiferal Working Group, and ICDP (International Continental Scientific Drilling Project).

3a. Nominated Officers for 2016-2020:

Chair: Maria Rose Petrizzo; Vice-Chairs: Michael Wagreich and James Haggart; Secretary: Francesca Falzoni.

Voting Members are 19, from most continents. Over 150 Cretaceous scientists from all over the world and in many different disciplines belong to one or more of the Stage Working Groups and to the Kilian Group. The Stage Working Groups of the SCS are: Berriasian, Valanginian, Hauterivian, Barremian, Aptian, Coniacian and Campanian. All WG leaders (chairs) and members are treated as Corresponding Members of the SCS.

4. EXTENT OF NATIONAL/REGIONAL/GLOBAL SUPPORT FROM SOURCES OTHER THAN IUGS

The SCS has strong links with IGCP projects.

- IGCP 608 Asia-Pacific Cretaceous Ecosystems (leader: Ando). Proceedings of this project will be published in “*Island Arc*”. (2018 on-extended terms)
- IGCP 609 Climate-environmental deteriorations during greenhouse phases: causes and consequences of short-term sea-level change. (2018 on-extended terms) Publications arising from IGCP 609 in 2018: *Türk E. et al. (2018). Palaeoworld, Volume 27, Issue 1. p. 117-144; Vishnevskaya V. S. (2018). Paleontological Journal, Vol. 52, No. 2, pp. 123–130.* Proceedings of this project will be published as Special Publication volume of the Geological Society London.
- IGCP 632 Continental Crises of the Jurassic: Major Extinction Events and Environmental Changes within Lacustrine Ecosystems (leader: J. Sha). Subproject Late Mesozoic lacustrine systems in Tunisia and their global correlation (leader: B. Sames).
- IGCP proposal submitted to IUGS titled: Linkage of Cretaceous solid earth dynamics, greenhouse climate, and response of ecosystems on lands and in the oceans in Asia (leaders: Lee and Hasegawa).

Funds to the Coniacian WG: Grant from the German Science Foundation to C. Ifrim for further works on the El Rosario section, (NE Mexico), a potential candidate for the base of the Coniacian Stage. Funding from the Polish National Science Centre (NCN) to I. Walaszczyk to support works in Salzgitter-Salder, Cauvery Basin, SE India, and in Japan. Internal grant of the Faculty of Geology of the University of Warsaw to I. Walaszczyk.

5. CHIEF ACCOMPLISHMENTS IN 2018

• WORKING GROUPS ACTIVITIES TOWARDS THE DEFINITION OF THE GSSPs

Chairs and updated memberships of each WG are available at <http://cretaceous.stratigraphy.org/working-groups/>. Memberships are continuously updated by inviting active scientists that are willing to collaborate to the WG activities.

Campanian GSSP

Members of the WG visited the Bottaccione section (possible GSSP candidate) in May 2018 to refine the log and photograph the S/C boundary. Further sampling for magnetostratigraphy and biostratigraphy was undertaken in September 2018 by G. Muttoni, R. Coccioni and others. Results of these studies will be available in early 2019.

Potential GSSP/regional reference sections across the Santonian/Campanian boundary will be studied through a Canada-Japan joint research on Vancouver Island (Hasegawa and Haggart). Haggart and Graham described a new occurrence of the crinoid *Marsupites* from the Upper Cretaceous strata of the Nanaimo Group of Vancouver Island, British Columbia. It is the first occurrence of *Marsupites* in the North Pacific Province and provides an important link with the uppermost Santonian of the European standard stage succession. Other (reference) sections from Tethyan areas including member(s) of the WG are from Austria (Wolfgring et al., 2018a), Tunisia (Farouk et al., 2018) and Turkey (Wolfgring et al., 2018b). *Farouk et al. (2018). Cretaceous Research, 85, 128-141.; Haggart, J. W., & Graham, R. (2018). Cretaceous Research, 87, 277-295; Wolfgring et al. (2018a). Newsletters on Stratigraphy, 51/4, 445-476; Wolfgring et al. (2018b). Cretaceous Research, 87, 296-311.*

Coniacian GSSP

The WG re-sampled the Salzgitter-Salder section for foraminifera (D. Peryt and Z. Dubicka), dinoflagellate (I. Jarvis and

others), calcareous nannofossil and carbon-isotope (S. Voigt and others) studies. Preliminary results of the foraminiferal studies were presented by Peryt and Dubicka at Forams 2018, manuscript in preparation. The dinoflagellate analysis is in progress. Dinoflagellate analysis of the Turonian-Coniacian boundary succession of the Folwark quarry (SW Poland) has been completed; the results were presented during the 19th Czech-Slovak-Polish Palaeontological Conference & 11th MIKRO 2018 Workshop in Prague, October, 2018, manuscript in preparation. The WG worked on the Turonian-Coniacian succession of the Cauvery Basin, SE India, paper ready for submission.

Walaszczyk et al. (2018). The inoceramids and ammonites from the topmost Turonian-lower Coniacian (Upper Cretaceous) of the Anaipady-Saradamangalam region, Cauvery Basin, SE India. To be submitted to Acta Geologica Polonica.

Albian GSSP

Officers of the SCS contacted the local authorities of the Commune of Arnayon (Département of Drôme) on the official steps to follow for the establishment of a geopark for the protection of the site.

Aptian GSSP

The publication below served as starting point for a discussion within the WG on the proposed GSSP's and on the open questions related to the selection of a GSSP. The proposed chemostratigraphic correlation between Gorgo a Cerbara and the French sections remains problematic. This indicates that there are still problems related to biostratigraphy and chemostratigraphy. The chairs of this WG concluded that the problems have to be discussed during a workshop planned for STRATI 2019.

Frau, C., Bulot, L. G., Delanoy, G., Moreno-Bedmar, J. A., Masse, J. P., Tendil, A. J. B., & Lanteaume, C. (2018). The Aptian GSSP candidate at Gorgo a Cerbara (Central Italy): an alternative interpretation of the bio-, litho- and chemostratigraphic markers. Newsletters on Stratigraphy, 51(3), 311-326.

Barremian GSSP

The formal proposal for the Barremian GSSP at Rio Argos (Spain) is in preparation and will be presented to the members of the WG in early 2019.

Bert, D. et al. (2018). Cretaceous Research 88, 173-186; Charbonnier, G. et al. (2018). Palaeogeography, Palaeoclimatology, Palaeoecology 505, 337-350; Frau, C. et al. (2018). Cretaceous Research 90, 222-253; Lukeneder, A. (2018). Cretaceous Research 88, 158-172; Reboulet, S. et al. (2018). Cretaceous Research 91, 100-110.

Hauterivian GSSP

A formal proposal of a GSSP site (La Charce, SE France) has been compiled throughout the first half of 2018 by Mutterlose and Reboulet and includes data on biostratigraphy (ammonites, calcareous nannofossils), stable isotope stratigraphy, organic matter and cyclostratigraphy. It is currently in its final internal review phase with Rawson and will be sent out to the members of the WG by early 2019. The protection of the La Charce site is ensured by an Espace Naturel Sensible (ENS) considering the major geological interest of the site. The department and the municipality of La Charce cooperated and established an exceptional and world-renowned geological interpretation circuit for the public.

Valanginian GSSP

The WG has carried out a new, denser sampling of one of the GSSP candidate sections (Cañada Luenga, SE Spain) for chemostratigraphic analysis to better constrain some biostratigraphic (ammonite, calcareous nannofossils and calpionellids) events.

Aguado, R. et al. (2018). Cretaceous Research 92, 122-137; Aguirre-Urreta, B., Rawson, P.F. (2018). Cretaceous Research 88, 149-157; Granier, B. (2018). Cretaceous Research 93 (2019), 245-274; Price, G.D. et al. (2018). Geochemistry, Geophysics, Geosystems, <https://doi.org/10.1029/2018GC007676>; Reboulet, S. et al. (2018). Cretaceous Research 91, 100-110.

Berriasian (J/K boundary) GSSP

In May 2018 the WG held a workshop at Kroměříž (Czech Republic) to discuss the compilation of a shortlist of sites for consideration as GSSPs. Fiume Bosso and the Vocontian Trough sites were judged to be the best candidates; question marks remain over the localities of Puerto Escano and Kurovice. The complete report of the meeting is available at <http://cretaceous.stratigraphy.org/meeting-berriasian-wg/>. Relevant publications arising from WG members in 2018 are available at <http://cretaceous.stratigraphy.org/working-groups/berriasian-gssp-wg/>.

KILIAN Group

Results of the 6th meeting of the IUGS Lower Cretaceous Ammonite Working Group (the Kilian Group) (20 August 2017 Vienna, Austria) are now published. The Vienna meeting mainly dealt with the West Mediterranean zonation (standard zonation) and its calibration with the Boreal, Austral and Central Atlantic realms. Josep Moreno-Bedmar has been elected as vice-chair.

Reboulet, S et al. (2018). Cretaceous Research 91, 100-110.

• ADDITIONAL ACTIVITIES

- Development of the Russian Cretaceous website: <http://cretaceous.ru/>
- 17-23 September 2018, IX All-Russian meeting “The Cretaceous System of Russia and neighbouring countries: problems of stratigraphy and paleogeography” was held in Belgorod, dedicated to the 140th anniversary of the birth of academician A.D. Arkhangelsky.

- 24-29 September 2018, XVII All-Russian Micropaleontological Meeting "Modern Micropaleontology - Problems and Prospects" at the Institute of Geology and Oil and Gas Technologies of the Kazan Federal University. (<https://kpfu.ru/geology-oil/micropal2018>).
- Fieldwork in Crimea focused on the J/K, K2cp/m, K2st/cp boundaries (Saratov University, Moscow State University, Geological Institution, Moscow).
- Ongoing studies on the J/K boundary sequence in the Tetori Group, which is composed of non-marine sequences intercalated by occasional marine insertions. *Sano, S. (2018). Journal of Fossil Research, v. 51 (1), 5-14.*
- Project on Aptian at the Rio de Janeiro Federal University supported by Shell, titled "Stratigraphic correlation, paleoenvironmental and paleogeographic evolution, and exploratory perspectives of the Alagoas Stage" in the sedimentary basins of Parnaíba and Araripe, (Northeastern Brazil). It is a long-term project (54 months) involving Regional Geology, Geophysics, Paleontology, Sedimentology, Stratigraphy and Geochemistry. The studied interval corresponds to the "Pre-salt", which contains the largest oil reserves in the Brazilian continental margin.
- New radiolarian and calcareous plankton biostratigraphic and magnetostratigraphic data of the upper Campanian-Maastrichtian from the standard Nizhnyaya Bannovka Section (Volga River Right Bank, Southern Saratov Region, Russia). *Guzhikov et al. (2017). Stratigraphy and Geological Correlation, 25 (1): 39–75. Pleiades Publishing, Ltd. 2017.*
- The standard Upper Cretaceous Zonal Schemes of the Eastern European Platform Based on Foraminifera, Radiolaria, and Nannoplankton have been proposed by some members. *Vishnevskaya et al. (2018). Moscow University Geology Bulletin, 73(2):131–140.*

6. SUMMARY OF EXPENDITURE IN 2018:

| | |
|---|-------------|
| Contribution towards cost of maintenance of the website | 200 Euro |
| Contribution to support the meeting of the Campanian WG at Bottaccione (May 2018) | 333.70 Euro |
| Contribution to support the sampling of the Bottaccione section (September 2018) | 336.82 Euro |
| Contribution for secretarial work | 200 Euro |
| TOTAL expenditure in 2018 = 1070.52 Euro | |

Budget surplus to carry forward to support Subcommittee members to attend STRATI 2019 = 1485.48 Euro

7. SUMMARY OF INCOME IN 2018:

ICS Subvention for 2018 DKK 19300,00 = 2556 Euro

8. BUDGET REQUESTED FROM ICS IN 2019

| | |
|---|-----------|
| Contribution towards cost of website maintenance | 400 Euro |
| Contribution to fieldworks/working group activities (all Stage WGs) | 1000 Euro |
| Contribution for secretarial work | 400 Euro |
| Contribution to support Subcommittee members to attend STRATI 2019 | 1700 Euro |
| TOTAL budget request from ICS in 2019= 3500 Euro | |

Carried forward to be used for STRATI 2019 = 1485.48 Euro

TOTAL estimated expenditure in 2019 = 4985.48 Euro

9. WORK PLAN, CRITICAL MILESTONES, ANTICIPATED RESULTS AND COMMUNICATIONS TO BE ACHIEVED NEXT YEAR (2019):

• STUDIES, FIELD WORK TO FINALIZE THE GSSP PROPOSALS

Campanian GSSP

Restudy of the Bottaccione section will be completed by early 2019. If results support the candidature of the Bottaccione section, the GSSP proposal will be completed by the end of 2019.

Coniacian GSSP

The planned WG activities include: finishing foraminiferal and dinoflagellate analyses from the Salzgitter-Salder section and publication of the results, finishing isotope analysis of the El Rosario section and publication of the results, field work on the Turonian-Coniacian succession in selected sections in Hokkaido, publication of the discussion on the Turonian/Coniacian boundary in Japan, presentation of the results during the STRATI 2019 meeting (Milano, July 2019), final discussion within the WG and preparation of the ultimate proposal on the basal Coniacian stratotype.

Albian GSSP

Finalization of the official steps required for the protection and easy accessibility of the GSSP site.

Aptian GSSP

WG members will meet in a workshop during the STRATI 2019 congress in order to clarify open questions related to the

definition of the Aptian GSSP. In preparation of the workshop, the chairs are compiling an updated framework of stratigraphies across the Barremian/Aptian boundary to provide an integrated framework as the basis of discussions and critical selection. Records from low and high latitudes and from pelagic and neritic settings will be also compared.

Barremian GSSP

The formal proposal of the Barremian GSSP at Rio Argos (Spain) will be presented to the members of the WG in the first months of 2019. If approved, it will be submitted to the Subcommittee.

Hauterivian GSSP

The WG aims at finalising the voting procedure on La Charce in 2019. Depending on the outcome of the vote, a publication of the relevant data supporting La Charce as the candidate GSSP section is planned.

Valanginian GSSP

Field work is planned for 2019 in order to examine the other candidate stratotype section (Vergol, SE France) and select the best GSSP candidate section to be voted within the WG members.

Berriasian (J/K boundary) GSSP

Continue documenting the Drome sites at Velikiy Kamanets, Berrias, Bosso, Durlston Bay/Portland, Sidi Khalif, Beni Kleb, Drome localities. Meeting in Bratislava, June 2019. Field excursions in Slovakia and Austria. Submission of a GSSP proposal to SCS in October 2019.

Kilian Group

The Kilian meetings are usually held every 3 years (2002; 2005; 2008; 2010; 2013; 2017). The next meeting will be associated with the next Cretaceous Symposium (Poland, 2021). The local organization will be made by Izabela Ploch. The upper Aptian, lower-middle Albian zonal schemes will be in focus at the forthcoming meeting.

- **ADDITIONAL ACTIVITIES**

Publication of the results of the integrated study of J/K boundary interval and K2cp/m from Caucasus, Central Caspian regions and Russian Platform.

Preparation of the data on auxiliary sections on the Cretaceous Stage boundaries from Russia.

- **FUTURE MEETINGS**

-JK2018 (5-7 Dec. 2018, Geneva, Switzerland). The aim of the "International Meeting AROUND the Jurassic-Cretaceous Boundary" is to discuss eustatical, biological, physiographical, geochemical, tectonic, ... events at/near the boundary (*i.e.*, over an interval of time spanning the Kimmeridgian to the Hauterivian, with a special focus on the Tithonian-Valanginian strata). Selected papers from the meeting will be published in *Volumina Jurassica* and in *Cretaceous Research*. There will also be possibilities to submit some manuscripts to *Revue de Paléobiologie* and *Carnets de Géologie*.

-STRATI 2019-3rd International Congress on Stratigraphy (Milan, Italy, 2-5 July 2019; webpage <http://www.strati2019.it/index.php>). The SCS officers submitted a proposal for a scientific session titled "Cretaceous integrated stratigraphy, greenhouse climate change and events" and it is intended to host presentations and discussions on Cretaceous topics including progresses on GSSP studies and status of GSSP proposals.

-2019 May. Post-cruise meeting/presentation of IODP Expedition 369 in Kanazawa Japan. Cretaceous stratigraphy and its stage boundaries from high latitude Indian Ocean will be a primary target of the meeting.

-2020 September, the X All-Russian meeting "The Cretaceous System of Russia and neighbouring countries: problems of stratigraphy and paleogeography" is planned in Magadan City.

Potential funding sources external to IUGS

The SCS does not envisage being able, as an organization, to obtain significant funding from outside IUGS/ICS sources. Some financial support could be obtained by individual members from their host institutions and/or their personal research funds. In December 2018, I. Walaszczyk (Chair of the Coniacian WG) will submit a grant application to the Polish National Grant Commission (NCN) aimed to finalise the Turonian/Coniacian boundary.

10. KEY OBJECTIVES AND WORK PLAN FOR THE PERIOD 2016-2020

- 2019-2020: Inauguration of the Albian GSSP.
- 2019-2020: Finalization of the proposals by the Working Groups for the base of the Berriasian and the J/K boundary, base Valanginian, base Hauterivian, base Barremian, base Aptian, base Coniacian, base Campanian. Voting by members of the Working Groups to select a single GSSP candidate section.
- 2019-2020: Submission of the proposals for the GSSP candidate sections approved by the Working Groups to the Cretaceous Subcommittee Voting Members.
- 2019-2021: Continue to work and preparation of proposals for the definition of substages for discussions at the forthcoming meetings: 36th International Geological Congress (Delhi, India, 2-8 March 2020); 11th International Symposium on the Cretaceous (Poland, 2021).

APPENDIX [Names and Addresses of Current Officers and Voting Members]

Nominated officers

Chair: Maria Rose Petrizzo, mrose.petrizzo@unimi.it - Dip. Scienze della Terra “A. Desio”, Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Phone: +39-0250315531

Vice-Chair: Michael Wagreich, michael.wagreich@univie.ac.at - Department of Geodynamics and Sedimentology, University of Vienna, Althanstrasse 14, Vienna, A-1090, Austria, Phone: 0043-1-4277-53465

Vice-Chair: James Haggart, jhaggart@nrcan.gc.ca - Geological Survey of Canada, 1500-605 Robson Street, Vancouver, British Columbia V6B 5J3, Canada, Phone: 1-604-666-8460

Secretary: Francesca Falzoni, francesca.falzoni@unimi.it - Dip. Scienze della Terra “A. Desio”, Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Phone: +39-0250315563.

List of Voting Members

Baraboshkin Evgenij, ejBaraboshkin@mail.ru - Dept. Regional Geology and Earth History, Geological Faculty, Moscow State University, Vorobjovy Gory, Moscow, 119991 Russia. Phone: +7(495)939-49-32.

Bown Paul, p.bown@ucl.ac.uk - University College London, Gower Street, London, WC1E 6BT, UK, Phone: +44(0)20-7485-3257.

de Souza Carvalho Ismar, ismar@geologia.ufrj.br - Universidade Federal do Rio de Janeiro, CCMN – Igeo Av. Athos da Silveira Ramos 274, Cidade Universitária - Ilha do Fundão 21.941-916 Rio de Janeiro, RJ, Brasil, Phone: 21-3938-9405.

Galbrun Bruno, bruno.galbrun@upmc.fr - Université Pierre et Marie Curie, ISTeP, Institut des Sciences de la Terre-Paris, UMR-CNRS 7193, 4 place Jussieu, 75252 Paris CEDEX 5, France.

Granier Bruno, bgranier@univ-brest.fr - Département des Sciences de la Terre et de L’Univers, UFR Sciences et Techniques, Université de Bretagne Occidentale, 6 avenue, Le Gorgeu – CS 93837, F – 29238 Brest cedex 3, France.

Hasegawa Takashi, jh7ujr@staff.kanazawa-u.ac.jp - Department of Earth Sciences, Faculty of Science, Kanazawa University, Kakuma, Kanazawa, 920-1192 Japan. Phone: 076-264-6508.

Huber Brian T., HUBERB@si.edu - Department of Paleobiology, PO Box 37012, MRC-121, Smithsonian Institution, Washington, DC 20013-7012, Phone: 1-202-633-1328.

Jagt-Yazykova Elena, elenajagt@gmail.com - Opole University, Laboratory of Palaeobiology and evolution, Oleska str. 22, 45-052 Opole, Poland. Phone: +48 (77) 4527312.

Jarvis Ian, I.Jarvis@kingston.ac.uk - Department of Geography and Geology, Kingston University, London Penrhyn Road, Kingston upon Thames, London KT1 2EE, UK, Phone: +44 20 8417 2526.

Kawabe Fumihisa, fkawabe@aoni.waseda.jp - Ministry of Education, Culture, Sports, Science and Technology, Tokyo 100-8959, Japan.

Sageman Bradley, brad@earth.northwestern.edu - Department of Earth and Planetary Sciences, Northwestern University, 2145 Sheridan Road, Evanston, Illinois 60208-3130, U.S.A., Phone: +1-847-467-2257.

Sari Bilal, bilal.sari@deu.edu.tr - Dokuz Eylul University, Faculty of Engineering, Department of Geological Engineering, Tinaztepe Campus, 35160 Buca-Izmir, Turkey, Phone: +90.232.4127342.

Schioler Poul, poul.schioler@mgpalaeo.com.au - 12 Summit Road, Fairfield, Lower Hutt 5011, New Zealand, Phone: +61 (0)8 9249 4628.

Vishnevskaya Valentina, valentina.vishnaa@mail.ru - Geological Institute of the Russian Academy of Sciences, Pyzhevsky per., 7, Moscow 119017, Russia, Phone: 7(495)959-0174.

Voigt Silke, s.voigt@em.uni-frankfurt.de - Institute of Geosciences, Goethe-University Frankfurt, Altenhöferallee 1, 60438 Frankfurt am Main, Phone: +49 (0)69798 40190.

Walaszczyk Irek, i.walaszczyk@uw.edu.pl - Faculty of Geology, University of Warsaw, Al. Zwirki i Wigury 93, 02-089 Warszawa, Poland, Phone: +48 22 5540482.

Watkins David K., dwatkins1@unl.edu - Department of Earth & Atmospheric Sciences, University of Nebraska, Lincoln, NE 68588-0340, USA Phone: 1-402-472-2177

Wilmsen Markus, Markus.Wilmsen@senckenberg.de - Senckenberg Naturhistorische Sammlungen, Dresden, Museum für Mineralogie und Geologie Königsbrücker Landstrasse 159, 01109 Dresden, Germany. Phone: +49 +351-795841-4273.

Wimbledon William A.P., mishenkai@yahoo.co.uk, School of Earth Sciences, University of Bristol, Wills Memorial Building, Queens Road, Bristol BS8 1RJ, United Kingdom. Home address: 19 Hazel Walk, Croesyceiliog, Cwmbran, NP44 2NW, United Kingdom. Phone: 44 (0) 1633 483836.

Working group leaders and corresponding members

CAMPANIAN WG

Chair: Gale Andy, Andy.Gale@port.ac.uk - School of Earth & Environmental Sciences University of Portsmouth Burnaby Building Burnaby Road Portsmouth PO1 3QL, Phone: +44-02392846127.

WG Members:

Batenburg Sietske, sietske.batenburg@earth.ox.ac.uk - Department of Earth Sciences, University of Oxford, Oxford, UK.

Chenot Elise, elise.chenot@u-bourgogne.fr - Biogéosciences, UMR 6282, CNRS, University of Bourgogne Franche-Comté, 6 boulevard Gabriel, Dijon F-21000, France.

Coccioni Rodolfo, rodolfo.coccioni@uniurb.it - Dipartimento di Scienze della Terra, della Vita e dell'Ambiente, Università degli Studi di Urbino "Carlo Bo", Campus Scientifico "E. Mattei", 61029 Urbino, Italy.

Erba Elisabetta, elisabetta.erba@unimi.it - Dipartimento di Scienze della Terra "A. Desio", Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Italy

Falzone Francesca, francesca.falzone@unimi.it - Dipartimento di Scienze della Terra "A. Desio", Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Italy.

Hasegawa Takashi, jh7ujr@staff.kanazawa-u.ac.jp - Faculty of Natural System, Institute of Science and Engineering, Kanazawa University, Kakuma, Kanazawa, 920-1192, Japan.

Ifrim Christina, Christina.Ifrim@geow.uni-heidelberg.de - Institut für Geowissenschaften, Ruprecht-Karls-Universität Heidelberg, Im Neuenheimer Feld 234, D-69120 Heidelberg, Germany.

Jarvis Ian, I.Jarvis@kingston.ac.uk - Department of Geography and Geology, School of Natural and Built Environments, Kingston University London, Penrhyn Road, Kingston upon Thames, London KT1 2EE, UK.

Hugh C. Jenkyns, hugh.jenkyns@earth.ox.ac.uk - Department of Earth Sciences, University of Oxford, South Parks Road, Oxford OX1 3AN, UK.

Jim Kennedy, Jim.Kennedy@oum.ox.ac.uk - Oxford University Museum of Natural History, Parks Road, Oxford OX1 3PW, UK.

Muttoni Giovanni, giovanni.muttoni@unimi.it - Dipartimento di Scienze della Terra "A. Desio", Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Italy.

Petrizzo Maria Rose, mrose.petrizzo@unimi.it - Dip. Scienze della Terra "A. Desio", Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Phone: +39-0250315531.

Premoli Silva Isabella, isabella.premoli@unimi.it - Dipartimento di Scienze della Terra "A. Desio", Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Italy.

Sprovieri Mario, mario.sprovieri@iamc.cnr.it - Istituto per l'Ambiente Marino Costiero, Consiglio Nazionale delle Ricerche (IAMC-CNR), Capo Granitola, Campobello di Mazara (TP), Italy.

Thibault Nicolas, nt@geo.ku.dk - Department of Geography and Geology, University of Copenhagen, Øster Voldgade 10, 1350 Copenhagen C., Denmark.

Voigt Silke, s.voigt@em.uni-frankfurt.de - Institute of Geosciences, Goethe-University Frankfurt, Altenhöferallee 1, 60438 Frankfurt am Main, Germany.

Wagreich Michael, michael.wagreich@univie.ac.at - Department of Geodynamics and Sedimentology, University of Vienna, Althanstrasse 14, Vienna, A-1090, Austria.

Walaszczyk Irek, i.walaszczyk@uw.edu.pl - Faculty of Geology, University of Warsaw, Al. Zwirki i Wigury 93, 02-089 Warszawa, Poland.

CONIACIAN WG

Chair: Walaszczyk Irek, i.walaszczyk@uw.edu.pl - Faculty of Geology, University of Warsaw, Al. Zwirki i Wigury 93, 02-089 Warszawa, Poland, Phone: +48 22 5540482.

WG Members:

Crampton James, J.Crampton@gns.cri.nz - GNS Science, Post Office Box 30368, Lower Hutt, New Zealand.

Dubicka Zofia, Faculty of Geology, University of Warsaw, Al Zwirki i Wigury 93, 02-089 Warszawa, Poland.

Gale Andy S., School of Earth and Environmental Sciences, University of Portsmouth, Portsmouth PO1 3QL, United Kingdom

Ifrim Christina, Christina.Ifrim@geow.uni-heidelberg.de - Institut für Geowissenschaften, Ruprecht-Karls-Universität Im Neuenheimer Feld 234, 69120 Heidelberg, Germany.

Jagt-Yazykova Elena A., eyazykova@uni.opole.pl - Zakład Paleobiologii, Katedra Biosystematyki, Uniwersytet Opolski, ul. Oleska 22, PL-45-052 Opole, Poland.

Jarvis Ian, I.Jarvis@kingston.ac.uk - Kingston University London, Department of Geography and Geology, Kingston upon Thames, KT1 2EE, UK.

Kennedy William J., Oxford University Museum of Natural History, Parks Road, Oxford OX1 3PW and Department of Earth Sciences, South Parks Road, Oxford OX1 3AN, United Kingdom

Lees Jackie, j.lees@ucl.ac.uk - Department of Earth Sciences, University College London, Gower Street, London WC1E 6BT, UK.

Niebuhr Brigit, birgit.niebuhr@senckenberg.de - Senckenberg Naturhistorische Sammlungen Dresden, Museum für Mineralogie und Geologie Königsbrücker Landstr. 159, D - 01109 Dresden, Germany.

Peryt Danuta, d.peryt@twarda.pan.pl - Instytut Paleobiologii PAN, ul. Twarda 51/55, PL-00-818 Warszawa, Poland.

Schioler Poul, poul.schioler@mgpalaeo.com.au - Morgan Goodall Palaeo Pty Ltd, 12 Summit Road, Fairfield, Lower Hutt 5011, New Zealand.

Toshimitsu Seiichi, Geological Survey of Japan, AIST, Tsukuba, Japan.

Tröger Karl-Armin, troeger@geo.tu-freiberg.de - Technische Universität Bergakademie Freiberg, Geologisches Institut Zeunerstraße 12 – Meißer-Bau, Germany.

Ulicny David, ulicny@ig.cas.cz - Institute of Geophysics, Academy of Sciences of the Czech Republic, 141 31 Prague, Czech Republic.

Voigt Silke, s.voigt@em.uni-frankfurt.de - Institute of Geosciences, Goethe-Universität Frankfurt, Altenhöferallee 1, D-60438 Frankfurt am Main, Germany.

Wiese Frank, frwiese@snafu.de - Georg-August-Universität Göttingen, Courant Research Centre Geobiology, Goldschmidtstr. 3, D-37077 Göttingen.

Wilmsen Markus, markus.wilmsen@senckenberg.de - Sektionsleiter Paläozoologie, Senckenberg Naturhistorische Sammlungen Dresden, Museum für Mineralogie und Geologie, Königsbrücker Landstr. 159, D - 01109 Dresden, Germany.

APTIAN WG

Chair: Weissert Helmut, weissert@erdw.ethz.ch - Department of Earth Science, ETH-Z CH-8092 Zürich, Switzerland, Phone: +41 44 632 37 15.

Chair: Erba Elisabetta, elisabetta.erba@unimi.it - Dip. Scienze della Terra “A. Desio”, Università degli Studi di Milano, via Mangiagalli 34, 20133 Milano, Phone: +39-0250315530.

WG Members:

Amodio Sabrina, sabrina.amodio@uniparthenope.it - Department of Science and Technology, Parthenope University of Naples, Napoli, Italy.

Baraboshkin Evgenij, ejBaraboshkin@mail.ru - Department of Regional Geology and Earth History, Geological Faculty M. V. Lomonosov Moscow State University, Moscow, Russian Federation.

Bodin Stéphane, stephane.bodin@geo.au.dk - Department of Geoscience, Aarhus University, Århus, Denmark.

Castro Jiménez José Manuel, secform@ujaen.es - Department of Geology, University of Jaén, Jaén, Spain.

Coccioni Rodolfo, rodolfo.coccioni@uniurb.it - Dipartimento di Scienze della Terra, della Vita e dell’Ambiente, Università degli Studi di Urbino “Carlo Bo”, Urbino, Italy.

Company Miguel, mcompany@ugr.es - Departamento de Estratigrafía y Paleontología, Universidad de Granada, Granada, Spain.

Föllmi Karl, Karl.foellmi@unil.ch - Institute of Earth Sciences (ISTE), University of Lausanne, Lausanne, Switzerland.

Frau Camille, Camille_FRAU@hotmail.fr - Groupement d’Intérêt Paléontologique, Science et Exposition, 60 bd Georges Richard, 83000 Toulon, France.

Granier Bruno, bgranier@univ-brest.fr - Dépt. STU, Fac. Sci. Tech., UBO, CS 93837, F-29238 Brest, France, and Department of Ecology and Evolutionary Biology, The University of Kansas, 1200 Sunnyside Avenue, Lawrence, Kansas 66045, USA.

Kuhnt Wolfgang, wk@gpi.uni-kiel.de - Institute of Geosciences, Christian-Albrechts-University, 24118 Kiel, Germany.

Moreno-Bedmar Josep Anton, josepamb@geologia.unam.mx - Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Coyoacán, México, Ciudad de México, C.P. 04510.

Moullade Michel, Michel.Moullade@unice.fr, Centre de Recherches Micropaléontologiques, Musée d’Histoire Naturelle, Nice, France.

Olierook Hugo, hugo.olierook@curtin.edu.au - Department of Applied Geology, Curtin University, GPO Box U1987, Perth, WA 6845, Australia.

Patrino Stefano, stefano.patrino@gmail.com - Petroleum Geo-Services (PGS), Weybridge, Surrey, UK.

Parente Mariano, maparent@unina.it - Dipartimento di Scienze della Terra, dell’Ambiente e delle Risorse, Università di Napoli Federico II, Napoli, Italy.

Premoli Silva Isabella, isabella.premoli@unimi.it - Dipartimento di Scienze della Terra “A. Desio”, Università degli Studi di Milano, Milano, Italy.

Ruiz Ortiz Pedro Alejandro, ceactierra@ujaen.es - Department of Geology, University of Jaén, Jaén, Spain.

Skelton Peter, p.w.skelton@open.ac.uk - Department of Environment, Earth and Ecosystems, The Open University, Milton Keynes, UK.

Triantaphyllou Maria, mtriant@geol.uoa.gr - University of Athens, Department of Historical Geology-Paleontology,

Panepistimiopolis 15784, Athens, Greece
Vahrenkamp Volker, volker.vahrenkamp@kaust.edu.sa - Ali Naimi Petroleum Engineering Research Center, Saudi Arabia.

BARREMIAN WG

Chair: Rawson Peter, peter.rawson1@btinternet.com - Department of Earth Sciences, University College London, Gower Street, London WC1E 6BT, UK, Centre for Marine and Environmental Sciences, University of Hull, Scarborough Campus, Filey Road, Scarborough YO11 3AZ, United Kingdom.

Chair: Company Miguel, mcompany@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, E-18002 Granada, SPAIN, Phone: +34-958242729.

WG Members:

Aguirre-Urreta, María Beatriz; aguirre@gl.fcen.uba.ar - Instituto de Estudios Andinos (UBA-CONICET), Universidad de Buenos Aires, Ciudad Universitaria, pabellón 2, 1428 Buenos Aires, Argentina.

Baraboshkin, Evgenij J.; Barabosh@geol.msu.ru - Geological Faculty, Moscow State University, 119992 Leninskie Gory, Moscow, Russia.

Bown, Paul R.; p.bown@ucl.ac.uk - Department of Earth Sciences, University College London, Gower Street, London WC1E 6BT, UK.

Erba, Elisabetta; elisabetta.erba@unimi.it - Dipartimento di Scienze della Terra, Università degli Studio di Milano, Via Mangiagalli 34, 20133 Milano, Italia.

Kakabadze, Mikheil V.; mishakakab@gmail.com - Djanelidze Institute of Geology, Polytkovskaja St. 5, 0186 Tbilisi, Georgia.

Melinte-Dobrinescu, Mihaela Carmen; melinte@geoecomar.ro - National Institut of Marine Geology and Geoecology, 23-25 Dimitrie Onciul Street, PO Box 34-51, 70318 Bucharest, Romania.

Mutterlose, Jörg; joerg.mutterlose@ruhr-uni-bochum.de - Institute for Geology, Mineralogy and Geophysics, Ruhr-Universität Bochum, Universitätsstr. 150, 44801 Bochum, Germany.

Premoli Silva, Isabella; isabella.premoli@unimi.it - Dipartimento di Scienze della Terra “A. Desio”, Università degli Studi di Milano, Via Mangiagalli 34, 20133 Milano, Italia.

Sandoval, José; sandoval@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, E-18002, Granada, Spain.

Tavera, José M; jtavera@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, E-18002, Granada, Spain.

Vašíček, Zdeněk; zdenek.vasicek@ugn.cas.cz - Institute of Geonics of Academy of Sciences of the Czech Republic, Studentská 1768, CZ-70800 Ostrava-Poruba, Czech Republic.

Weisert, Helmut J.; helmi@erdw.ethz.ch - ETH Zürich, Dep. Earth Sciences, Sonneggstrasse 5, 8092 Zürich, Switzerland.

HAUTERIVIAN WG

Chair: Mutterlose Jörg, joerg.mutterlose@rub.de - Institute for Geology, Mineralogy and Geophysics, Ruhr-University Bochum, Universitätstr. 150, 44801 Bochum, Germany, Phone: +49 234 32 23249.

WG Members:

Aguirre-Urreta, Beatriz, aguirre@gl.fcen.uba.ar - Instituto de Estudios Andinos “Don Pablo Groeber” – Department of Geological Sciences, University of Buenos Aires and CONICET, Argentina.

Alsen Peter, pal@geus.dk - Geological Survey of Denmark and Greenland.

Baraboshkin Evgenij, ejbaraboshkin@mail.ru - Dept. Regional Geology and Earth History, Geological Faculty M. V. Lomonosov Moscow State University, Moscow, Russian Federation.

Bown Paul, p.bown@ucl.ac.uk - Department of Earth Sciences, University College London, London, UK.

Bulot Luc, bulot@cerege.fr - CEREGE UM34, CNRS (UMR 7330), IRD (UMR 161), Collège de France, USC INRA, OSU-Institut PYTHEAS, Aix-Marseille Université, Centre Saint-Charles, Marseille, France and NARG, School of Earth, Atmospheric and Environmental Sciences, University of Manchester, UK.

Erba Elisabetta, elisabetta.erba@unimi.it - Dipartimento di Scienze della Terra “A. Desio”, Università degli Studi di Milano, Milano, Italy.

Gardin Silvia, silvia.gardin@upmc.fr - Centre de recherche sur la Paléobiodiversité et les Paléoenvironnements, Université Pierre et Marie Curie, Paris, France.

Kakabadze Mikhail, mishakakab@gmail.com - Geological Institute, Academy of Sciences, Rukhadze str. 1/9, Tbilisi 380093, Republic of Georgia.

Kelly Simon, simon.kelly@casp.cam.ac.uk - CASP, West Building, 181a Huntingdon Road, Cambridge CB3 0DH, UK.

Klein Jaap, jaap.klein@zonnet.nl, Naturalis Biodiversity Center, the Netherlands.

Martinez Mathieu, mmartinez@marum.de - Universität Bremen – MARUM – Center for Marine Environmental Sciences, Bremen, Germany.

Premoli Silva Isabella, isabella.premoli@unimi.it - Dipartimento di Scienze della Terra “A. Desio”, Università degli Studi di Milano, Milano, Italy.

Rawson Peter, peter.rawson1@btinternet.com - Department of Earth Sciences, University College London, UK, and Centre for Marine and Environmental Sciences, University of Hull, Scarborough, UK.

Reboulet Stéphane, stephane.reboulet@wanadoo.fr - CNRS-UMR 5276, Laboratoire de Géologie de Lyon, Terre, Planètes, Environnement, Observatoire de Lyon, Université Claude Bernard Lyon 1, Villeurbanne, France.

VALANGINIAN WG

Chair: Company Miguel, mcompany@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, E-18002 Granada, SPAIN, Phone: +34-958242729.

Chair: Reboulet Stéphane, stephane.reboulet@univ-lyon1.fr - Laboratoire de Géologie de Lyon, CNRS-UMR 5276, Observatoire de Lyon, 2 rue Raphaël Dubois, Bâtiment Géode, Université Claude Bernard Lyon 1, 69622 Villeurbanne, FRANCE, Phone: +33(0)472446244.

WG Members:

Aguirre-Urreta María Beatriz, aguirre@gl.fcen.uba.ar - Instituto de Estudios Andinos (UBA-CONICET), Universidad de Buenos Aires, Argentina.

Aguado Roque, raguado@ujaen.es - Departamento de Geología, Universidad de Jaén, Spain.

Baraboshkin Evgenij J., ejbaraboshkin@mail.ru - Geological Faculty, Moscow State University, Russia.

Bown Paul R., p.bown@ucl.ac.uk - Department of Earth Sciences, University College London, UK.

Erba Elisabetta, elisabetta.erba@unimi.it - Dipartimento di Scienze della Terra, Università degli Studio di Milano, Italia.

Ettachfini Mohssine, ettachfini@uca.ma - Département de Géologie, Université Cadi Ayyad, Marrakech, Morocco.

Galbrun Bruno, bruno.galbrun@upmc.fr - Institut des Sciences de la Terre Paris (ISTeP), UPMC Univ Paris 06, France.

González-Arreola Celestina, arreola@unam.mx - Instituto de Geología, Universidad Nacional Autónoma de México, México.

Kakabadze Mikheil V., mishakakab@gmail.com - Djanelidze Institute of Geology, Tbilisi, Georgia.

Klein Jaap, jaap.klein@zonnet.nl - Vinkeveen, The Netherlands.

Melinte-Dobrinescu Mihaela Carmen, melinte@geocomar.ro - National Institut of Marine Geology and Geoecology, Bucharest, Romania.

Mutterlose Jörg, joerg.mutterlose@gmail.com - Institute for Geology, Mineralogy and Geophysics, Ruhr-Universität Bochum, Germany.

Premoli Silva Isabella, isabella.premoli@unimi.it - Dipartimento di Scienze della Terra, Università degli Studio di Milano, Italia.

Rawson Peter F., peter.rawson1@btinternet.com - Centre for Marine and Environmental Sciences, University of Hull, UK.

Tavera José M., jtavera@ugr.es - Departamento de Estratigrafía y Paleontología, Universidad de Granada Spain.

Vašíček Zdeněk, zdenek.vasicek@vsb.cz - Institute of Geonics of the Academy of Sciences, Ostrava-Poruba, Czech Republic.

Weissert Helmut, helmut.weissert@erdw.ethz.ch - Department of Earth Sciences, ETH Zürich, Switzerland.

BERRIASIAN (J/K BOUNDARY) WG

Chair: Wimbledon William A.P., mishenkai@yahoo.co.uk, School of Earth Sciences, University of Bristol, Wills Memorial Building, Queens Road, Bristol BS8 1RJ, United Kingdom. Home address: 19 Hazel Walk, Croesyceiliog, Cwmbran, NP44 2NW, United Kingdom, Phone: 44 (0) 1633 483836.

WG Members:

Aguirre-Urreta Beatriz, Dep. de Ciencias Geológicas, Univ. de Buenos Aires, CONICET, Argentina

Alsen Peter, GEUS, Voldgade 10, Copenhagen 1350, Denmark

Andreini Gloria, Dip. di Scienze della Terra, Università degli Studi di Perugia, 06123 Perugia, Italy

Arnaud Vanneau Annie M., Maison des Géosciences, LGCA 1381, Grenoble, France

Bakhmutov Vladimir, Institute of Geophysics, NAS Ukraine, 03680 Kyiv, Ukraine

Bardhan Subhendu, Department of Geological Sciences Jadavpur University, Kolkata 70002, India

Benzaggagh Mohamed, Univ. Moulay Ismail, Dépt de Géologie, BP 11201, Zitoune, Meknès, Morocco

Bugdaeva Eugenia, Fed. Inst. of Biol. and Soil Science, Russian Acad. Sci., Vladivostok, Russia

Bulut Luc G., Univ. de Provence Aix-Marseille 1, Centre de Séd.- Pal., 13331 Marseille, France

Cizkova Kristyna, Palaeomagnetic Laboratory, Inst. of Geology ASCR vvi, Praha 6, Czech Republic

Copestake Philip, Merlin Energy Resources Ltd., New Street, Ledbury, Herefordshire, HR8 2EJ, UK

Dzuba Oksana, Trofimuk Inst. of Geology & Geophysics, RAS, 630090 Novosibirsk, Russia

Elbra Tiiu, Institute of Geology of the Czech Academy of Sciences, Rozvojová 269, 165 00 Prague 6, Czech Republic
 Erba Elisabetta, Dipartimento di Scienze della Terra, Univ. Milano, 34 20133 Milano, Italy
 Főzy István, Hungarian Natural History Museum, Dept of Palaeontology, 1431 Budapest, Hungary
 Frau Camille, Biogéosciences, UMR-CNRS 5561, Université de Bourgogne, 21000 Dijon, France
 Galbrun Bruno, University Pierre and Marie Curie, IStEP, UMR 7193, Paris
 Galloway Jennifer, Geological Survey of Canada, Calgary, Alberta, T2L 2A1, Canada
 Gang Li, Nanjing Institute of Palaeontology and Geology, Nanjing 210008, China
 Gardin Silvia, University Pierre and Marie Curie, IStEP, UMR 7193, Paris 05, France
 Grabowski Jacek, Institute of Geology, Ul. Rakowiecka 4, 00-975 Warsaw, Poland
 Guzhikov Andrey, Chernyshevsky Saratov State University, 410012 Saratov, Russia
 Halasova Eva, Dept Geology & Palaeontology, Comenius University, 84215 Bratislava, Slovakia
 Hunt Christopher, School of Geography, Queens University Belfast, Belfast, BT7 1NN, UK
 Ivanova Daria, Geological Institute BAS, Acad. G. Bonchev St., 1113 Sofia, Bulgaria
 Jianguo Li, Nanjing Institute of Palaeontology and Geology, Nanjing 210008, China
 Jingeng Sha, Nanjing Institute of Palaeontology and Geology, Nanjing 210008, China
 Kietzmann Diego, Departamento de Ciencias Geológicas, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Buenos Aires, Argentina
 Kostak Martin, Institute of Geology and Palaeontology, Charles University, Prague 2, 128 43, Czech Republic
 Lakova Iskra, Geological Institute BAS, Acad. G. Bonchev St., 1113 Sofia, Bulgaria
 Leanza Hector, Fac. de Ciencias Naturales y Museo, Univ. Nac. de La Plata, 1900 La Plata, Argentina
 Lintnerova Otilia, Dept of Economic Geology, Comenius University, 84215 Bratislava, Slovakia
 Lopez-Martinez Rafael, Inst. de Geología, Univ. Nac. Aut. de México, Coyoacán 04510, Mexico
 Lucas-Clark Joyce, San Francisco State University, San Francisco, California 94132, USA
 Markevich Valentina, Fed. Inst. of Biol. and Soil Science, Russian Acad. Sci., Vladivostok, Russia
 Meizhen Cao, Nanjing Institute of Palaeontology and Geology, Nanjing 210008, China
 Michalik Jozef, Geological Institute, Slovak Academy of Sciences, 84005 Bratislava, Slovakia
 Mohialdeen Ibrahim Jaza, Dept of Geology, Univ. of Sulaimani, P.O.Box 334, Sulaimani, Iraq
 Munsterman Dirk, TNO – Geol. Surv. of Netherlands, P.O. Box 80015, NL-3508 TA, Utrecht, Netherlands
 Ogg James, Earth and Atmospheric Science, Purdue University, West Lafayette, IN 47907, USA
 Olivier Mojon Pierre, Rue de l'Industrie 11, 2316 Les Ponts-de-Martel, Switzerland
 Poulton Terry P., Geological Survey of Canada, Calgary, Alberta, T2L 2A1, Canada
 Pruner Petr, Palaeomagnetic Laboratory, Inst. of Geology ASCR vvi, Praha 6, Czech Republic
 Pszczółkowski Andrzej, Inst. of Geol. Sci., Polish Acad. of Sc., Twarda 51/55, 00-818 Warsaw, Poland
 Rawson Peter, Department of Earth Sciences, University College London, Gower Street, London WC1E 6BT, UK;
 Centre for Marine and Environmental Sciences, University of Hull, Scarborough Campus, Filey Road, Scarborough YO11 3AZ, United Kingdom
 Rehakova Daniela, Dept Geology & Palaeontology, Comenius University, 84215 Bratislava, Slovakia
 Riccardi Alberto, Fac. de Ciencias Naturales y Museo, Univ. Nac. de La Plata, 1900 La Plata, Argentina
 Riding James, British Geological Survey, Keyworth, Nottingham, NG12 5GG, UK
 Satolli Sara, Dip. di Ing. e Geologia, Università "G. D'Annunzio" di Chieti-Pescara, Chieti, Italy
 Schnabl Petr, Palaeomagnetic Laboratory, Inst. of Geology ASCR vvi, Praha 6, Czech Republic
 Stoykova Kristalina, Geological Institute BAS, Acad. G. Bonchev St., 1113 Sofia, Bulgaria
 Svobodova Andrea, Institute of Geology and Pal., Charles University, Prague 2, 128 43, Czech Republic
 Tchoumatchenko Platon, Geological Institute BAS, Acad. G. Bonchev St., 1113 Sofia, Bulgaria
 Vajda Vivi, Department of Geology, Lund University, 223 62 Lund, Sweden
 Vennari Veronica, Dep. de Ciencias Geológicas, Universidad de Buenos Aires, CONICET, Argentina
 Verreussel Roel, TNO – Geol. Survey of Netherlands, P.O. Box 80015, NL-3508 TA, Utrecht, Netherlands
 Vuks Valery, All-Russian Geological Res. Institute (VSEGEI), 199106 St Petersburg, Russia
 Wierzbowski Andrzej, Institute of Geology, Ul. Rakowiecka 4, 00-975 Warsaw, Poland
 Xiaoqiao Wan, China University of Geosciences, Xueyuan Lu 29, Beijing 100083, China

E-mail addresses

pal@geus.dk; ibrahimjaza@yahoo.com; peter.rawson1@btinternet.com; p.rawson@hull.ac.uk; C.O.Hunt@ljmu.ac.uk;
 pszczolkowski@yahoo.com; jgra@pgi.gov.pl; awwierzb@uw.edu.pl; jluclark@comcast.net; geolmich@savba.sk;
 lintnerova@fns.uniba.sk; halasova@fns.uniba.sk; rehakova@fns.uniba.sk; pruner@gli.cas.cz; schnabl@gli.cas.cz;
 kostys@centrum.cz; cizkovak@gli.cas.cz; asvobodova@gli.cas.cz; lakova@geology.bas.bg; platon@lark.tu-sofia.bg;
 stoykova@geology.bas.bg; dariaiv@yahoo.com; bakhmutovvg@gmail.com; gloriaandreini@yahoo.it; s.satolli@unich.it;
 bulot@cerege.fr; camille_frau@hotmail.fr; bruno.galbrun@upmc.fr; silvia.gardin@upmc.fr; jogg@purdue.edu;

academicaigl@geologia.unam.mx; rafaelopez83@hotmail.com; vvennari@gl.fcen.uba.ar; hectorleanza@gmail.com; riccardi@fcnym.unlp.edu.ar; aguirre@gl.fcen.uba.ar; terry.poulton@canada.ca; gangli@nigpas.ac.cn; mzcao@nigpas.ac.cn; jgli@nigpas.ac.cn; jgsha@nigpas.ac.cn; wanxq@cugb.edu.cn; jennifer.galloway@canada.ca; bugdaeva@ibss.dvo.ru; markevich@ibss.dvo.ru; benzaggagh@yahoo.fr; semiformiceras@gmail.com; vivi.vajda@geol.lu.se; pierreoliviermojon@bluewin.ch; annie.arnaud@orange.fr; s_bardhan01@yahoo.co.uk; sbardhan12@gmail.com; dirk.munsterman@tno.nl; Phil_Copestake@merlinenergy.co.uk; mishenka1@yahoo.co.uk; DzyubaOS@ipgg.nsc.ru; Valery_Vuks@vsegei.ru; aguzhikov@yandex.ru; roel.verreussel@tno.nl; jbri@bgs.ac.uk; elisabetta.erba@unimi.it; elbra@gli.cas.cz

KILIAN WG

Chair: Reboulet Stéphane, stephane.reboulet@univ-lyon1.fr - Laboratoire de Géologie de Lyon, CNRS-UMR 5276, Observatoire de Lyon, 2 rue Raphaël Dubois, Bâtiment Géode, Université Claude Bernard Lyon 1, 69622 Villeurbanne, FRANCE, Phone: +33(0)472446244.

Vice-chair: Jaap Klein, jaap.klein@zonnet.nl - Demmerik 12, 3645 EC Vinkeveen, The Netherlands.

Vice-chair: Josep A. Moreno-Bedmar, josepamb@geologia.unam.mx - Departamento de Paleontología, Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Delegación Coyoacán, CP 04510, México, D.F., Mexico.

Vice-chair: Peter Rawson, peter.rawson1@btinternet.com - Department of Earth Sciences, University College London, Gower Street, London WC1E 6BT, UK, Centre for Marine and Environmental Sciences, University of Hull, Scarborough Campus, Filey Road, Scarborough YO11 3AZ, United Kingdom.

Vice-chair: Otilia Szives: sziveso@nhmus.hu - Hungarian Natural History Museum, Department of Paleontology, 1088 Ludovika ter 2, H-1431 Budapest, Hungary.

Vice-chair: Josep A. Moreno-Bedmar: josepamb@geologia.unam.mx - Departamento de Paleontología, Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Delegación Coyoacán, CP 04510, Ciudad de México, México.

WG Members:

Aguirre-Urreta Beatriz, aguirre@gl.fcen.uba.ar - Instituto de Estudios Andinos Don Pablo Groeber (UBA-CONICET), Universidad de Buenos Aires, Ciudad Universitaria, pabellón 2, 1428 Buenos Aires, Argentina.

Alsen Peter, pal@geus.dk GEUS, Voldgade 10, Copenhagen 1350, Denmark

Baraboshkin Evgenij J., ejbaraboshkin@mail.ru - Dept. Regional Geology and Earth History, Geological Faculty, Moscow State University, Vorobjovy Gory, Moscow, 119991 Russia. Phone: +7(495)939-49-32.

Barragán Ricardo, ricardor@geologia.unam.mx - Departamento de Paleontología, Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Delegación Coyoacán, CP 04510, México, D.F., Mexico

Bert Didier, paleo-db@orange.fr - Didier.BERT@le04.fr - Laboratoire du Groupe de recherche en paléobiologie et biostratigraphie des Ammonites, Bois-Mésanges, quartier Saint-Joseph, 04170 La Mure-Argens, France.

Bogdanova Tamara N., tnbogdanova@list.ru - Federal State Unitary Enterprise, "A. P. Karpinsky Russian Geological Research Institute", (FGUP "VSEGEI"), 74, Sredny prospect, 199106 St. Petersburg, Russia.

Bogomolov Yuri, 1957iori@mail.ru - Rustaveli, 13/12, 104, Moscow 127254, Russia.

Bulot Luc G., bulot@cerege.fr - lucbulot@aol.com - Géologie des Systèmes Carbonatés, EA 4234, Université de Provence Aix-Marseille 1, Centre de Sédimentologie-Paléontologie, case 67, 3 place Victor Hugo, 13331 Marseille, France.

Company Miguel, mcompany@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, Campus de Fuentenueva s/n, 18002 Granada, Spain.

Fózy István, fozy@nhmus.hu, semiformiceras@gmail.com - Hungarian Natural History Museum, Department of Paleontology, 1088 Ludovika ter 2, H-1431 Budapest, Hungary.

Frau Camille, Groupement d'Intérêt Paléontologique, Science et Exposition, 60 bd Georges Richard, 83000 Toulon, France

González-Arreola Celestina, arreola@unam.mx - Departamento de Paleontología, Instituto de Geología, Universidad Nacional Autónoma de México, Ciudad Universitaria, Delegación Coyoacán, CP 04510, México, D.F., Mexico.

Hoedemaeker Philip, flip.hoedemaeker@naturalis.nl, National Museum of Natural History, P.O.Box 9517, 2300 RA Leiden, Netherlands

Idakieva Vyara, idakieva@gea.uni-sofia.bg - v_idakieva@mail.bg - Sofia University St Kliment Ohridski, Faculty of Geology and Geography, Department of Geology, Paleontology and Fossil Fuels, 15 Tzar Osvoboditel Bd, 1504 Sofia, Bulgaria.

Ivanov Marin, mivanov@gea.uni-sofia.bg - Sofia University St Kliment Ohridski, Faculty of Geology and Geography, Department of Geology, Paleontology and Fossil Fuels, 15 Tzar Osvoboditel Bd, 1504 Sofia, Bulgaria.

Kakabadze Mikheil V., mishakakab@hotmail.com - Djanelidze Institute of Geology, Polytkovskaja St. 5, 0186 Tbilisi, Georgia.

Latil Jean-Louis, g.r.e.g.b@wanadoo.fr - Le Maupas, 05300 Lazer par Laragne, France.
Lukeneder Alexander, alexander.lukeneder@NHM-WIEN.AC.AT - Geological-Palaeontological Department, Natural History Museum, Burgring 7, A-1010 Vienna, Austria.
Matrion Bertrand, bertrand.matrion@sfr.fr - 26 avenue Jules Guesde, 10150 Pont Sainte Marie, France.
Mikhailova Irina A.; Department of Paleontology, Geological Faculty, Moscow State University, Vorobjovy Gory, 119899 Moscow, Russia.
Mitta Vasily, mitta@paleo.ru - Paleontological Institute of RAS, Profsoyuznaya 123, Moscow 117997, Russia.
Pictet Antoine, Chemin du Battoir 7, 1337 Vallorbe, Suisse.
Ploch Izabela, iplo@pgi.gov.pl - Polish Geological Institute, Geological Museum, Rakowiecka Str 4, PL-00-975 Warszawa, Poland
Raisossadat Seyed N., snaser_rais@yahoo.co.uk - Geology Department, Faculty of Science, Birjand University, PO Box 97175/615, Birjand, Iran.
Sandoval José, sandoval@ugr.es - Dpto Estratigrafía y Paleontología, Universidad de Granada, 18002 Granada, Spain.
Tavera José M., jtavera@ugr.es - Departamento de Estratigrafía y Paleontología, Facultad de Ciencias, Universidad de Granada, Campus de Fuentenueva s/n, 18002 Granada, Spain.
Vašíček Zdenek, zdenek.vasicek@vsb.cz - zdenvas@email.cz - Institute of Geonics, Academy of Sciences of the Czech Republic, Studentská 1768, 708 00, Ostrava-Poruba, Czech Republic.
Vermeulen Jean, jean-vermeulen@hotmail.fr - Grand rue, 04330 Barrême, France.