

IGCP 596–SDS Meeting



20–22 September
2015
Brussels, Belgium

Programme

September 20, 2015

- 16.00-17.30 Registration at the Royal Belgian Institute of Natural Sciences (RBINS)
19.00-20.30 Ice breaker at La Bécasse

September 21, 2015

Grand auditorium

- 8.15-9.00 Registration at the RBINS
9.00-9.20 Welcome speeches by Bernard Mottequin (RBINS), head of the organizing committee, Pascal Godefroit (RBINS), head of the DO Earth and History of Life, and Peter Königshof (Senckenberg Forschungsinstitut und Naturmuseum), chairman of the IGCP 596

Session 1: Lower to Upper Devonian Chairman: R.T. Becker	
9.20-9.40	Blieck A.: An Early Devonian peak of biodiversity: the case of heterostracan vertebrates
9.40-10.00	Königshof P., Bahrami A., Boncheva I., Yazdi M. & Talebi Torghabeh E.: Middle to Late Devonian carbonate ramp sedimentation in Central Iran (Zefreh section, NE Isfahan)
10.00-10.20	Brocke R., Kneidl V., Riegel W. & Wilde V.: The Lower Devonian “Hunsrückschiefer” of the Rheinisches Schiefergebirge: new insights from palynology
10.20-10.40	Bábek O., Faměra M., Hladil J., Poukarová H. & Šimíček D.: Lower Devonian red pelagic carbonates of the Barrandian area, Czech Republic: how red is red and why to bother about?
10.40-11.00	Jansen U.: Brachiopod diversity, biofacies and events of the Rhenish Lower Devonian (Germany)

11.00-11.20 Coffee break (*VIP room*)

Session 2: Lower and Middle Devonian events and biostratigraphy Chairman: C. Spalletta	
11.20-11.40	Zambito J. & Day J.: Integrated stratigraphic analysis of the Middle Devonian (late Givetian) Geneseo Event in the Appalachian and Michigan basins
11.40-12.00	Valenzuela-Ríos J.I., Liao J.C. & Calvo H.: Achievements in the Pyrenean Lochkovian conodont evolution and biodiversity and its global role in correlations: from Graz 2011 to Brussels 2015, an IGCP-596 ongoing research
12.00-12.20	Narkiewicz K., Narkiewicz N., Bultynck P. & Krzemińska E.: Conodont biostratigraphy, biofacies and apatite isotope records of the late Eifelian Kačák Event in the shallow marine Belarusian Basin

12.20-13.25 Lunch

Session 3: TW:eed session Chairman: B. Meyer-Bertaud	
13.25-13.30	Clack J.: Presentation of the TW:eed project
13.30-13.50	Millward D., Davies S.J., Bennett C.B., Kearsley T., Browne M.A.E., Sherwin J., Curtis R. & Brand P.: Environment and habitat variation on the Tournaisian (early Carboniferous) coastal plain of northern Great Britain
13.50-14.10	Carpenter D.K., Marshall J.E.A., Beerling D.J. & Wellman C.H.: Wildfire activity as a proxy for atmospheric oxygen content during Romer's Gap
14.10-14.30	Clack J.A. & Smithson T.R.: Tetrapod diversity in the Tournaisian
14.30-14.50	Marshall J.E.A.: An early Carboniferous palaeoclimate record from East Greenland
14.50-15.10	Reeves E. (and TW:eed team): Vegetational recovery on an Early Carboniferous coastal plain following the End Devonian Mass Extinction Event
15.10-15.30	Smithson T., Richards K. & Clack J.: Romer's Gap: the beginning of the modern fish fauna

15.30-15.50 Coffee break (*VIP room*)

Session 4: Devonian continental flora and fauna Chairman: A. Blicek	
15.50-16.10	Meyer-Berthaud B., Decombeix A.-L., Dunstone R., Gerrienne P., Momont N. & Young G.: New Middle to early Late Devonian aneurophytales showing dissected appendages from southeastern Australia
16.10-16.30	Clément G., Olive S., Gueriau P., Lagebro L., Prestianni C. & Denayer J.: Assessment on the Late Devonian fauna of Strud, Belgium
16.30-16.50	Gueriau P.: The early continental aquatic arthropod fauna from the Late Devonian of Strud, Belgium: implications for terrestrialization strategies
16.50-17.10	Xu H.H., Jiang Q. & Wang Y.: On the Mid Devonian Hujiersite flora from west Junggar, Xinjiang (China) and its characteristics, age and palaeoenvironment
17.10-17.30	Giesen P. & Berry C.M.: A reassessment of the Lindlar Flora (Devonian, Mid Eifelian), Germany

17.45 IGCP Business Meeting (*Dollo room*)

September 22, 2015

Grand and small auditoriums

9.00-9.15 Opening words by John Marshall, Chairman of the Subcommittee on Devonian Stratigraphy (*Grand auditorium*)

Session 1: Devonian–Carboniferous boundary (<i>Grand auditorium</i>) Chairman: J. Waters	
9.20-9.40	Corradini C., Aretz M. & the working group: The redefinition of the Devonian–Carboniferous boundary: recent developments
9.40-10.00	Kumpan T., Bábek O., Kalvoda J., Matys Grygar T. & Frýda J.: High-resolution stratigraphy of the Devonian–Carboniferous boundary in Europe: multidisciplinary approach
10.00-10.20	Poty E., Mottequin B. & Denayer J.: Orbitally forced sequences and climate reconstruction around the Devonian–Carboniferous boundary, and the Hangenberg Extinction Event
10.20-10.40	Gatovsky Y.A.: Famennian and Tournaisian boundary on the western slope of the South Urals, Russia: new look
10.40-11.00	Matyja H., Sobień K., Marynowski L., Stempień-Sałek M. & Małkowski K. The expression of the Hangenberg Event (Latest Devonian) in a relatively shallow-marine succession in Poland

11.00-11.20 Coffee break (VIP room)

Session 2: Mongolian session (Grand auditorium) Chairman: S. Carmichael	
11.20-11.40	Stephenson C. , Bond D. & Rogerson M.: Palynology and palaeobotany of the Devonian Samnuuruul Formation, western Mongolia – an update
11.40-12.00	Manchuk N. & Kazuhiro T.: The Siluro-Devonian age confirmation based on radiolarian biostratigraphy and zircon dating
12.00 -12.20	Batchelor C. , Carmichael S., Waters J., Coleman D., Kido E. & Suttner T.: Constraining the ages of Late Devonian Extinction events in the Central Asian Orogenic Belt (COAB): U-Pb zircon ages and igneous petrology
12.20-12.40	Waters J. , Suttner T., Kido E. & Carmichael S.: Echinoderm ecosystem rebound and diversification after the Frasnian–Famennian extinction: data from the Central Asian Orogenic belt

Session 3: Devonian marine fauna (Small auditorium) Chairman: E. Kido	
11.20-11.40	Evdokimova I.O. : New data on the Frasnian ostracods from the Middle Timan Region, Russia: taxonomy, biostratigraphy, palaeoecology
11.40-12.00	Rustán J.J. , Vaccari E. & Balseiro D.: Infaunal molting in Mid Paleozoic trilobites: new insights based on data from South America
12.00 -12.20	Derycke C. , Maillet S., Vachard D., Randon C., Nicollin J.-P., Armynot du Châtelet E., Crônier C., Hubert B., Recourt P. & Abbache A.: Palaeoenvironmental input of new faunas from Upper Famennian levels at Ouarourout (Ougarta, Algeria)
12.20-12.40	Ponciano L. : Devonian fossils of the Amazonas and Parnaíba basins, Brazil

12.40-14.00 Lunch

Session 4: Devonian climates (Grand auditorium) Chairman: J. Marshall	
14.00-14.20	Slavík L. , Hladil J., Chadimová L., Valenzuela-Ríos J.I., Hušková A. & Liao J.-C.: Cooling or warming in the Pragian? The sedimentary records and petrophysical logs from the key peri-Gondwanan sections
14.20-14.40	Da Silva A.-C. , Chadimová L., Hladil J., Slavík L., Hilgen F.J. & Dekkers M.J.: Unravelling orbital climatic cycles from Devonian magnetic susceptibility signal – The quest for a better age model for the Lochkovian and Pragian stages (Czech Republic)
14.40-15.00	Sardar Abadi M. , Kulagina E., Voeten Dennis F.A.E., Da Silva A.-C. & Boulvain F. Foraminiferal proliferation in the Alborz basin (Northern Iran): global response to Carboniferous glaciations
15.00-15.20	Brett C.E. , Baird G.C., Bartholomew A.J., Ver Straeten C. & Zambito J.: Revised Devonian time scales and evidence for variable eustatic, climatic, and biotic volatility: example from the Lower-Middle Devonian of the Appalachian Basin

Session 5: Upper Devonian conodont stratigraphy (Small auditorium) Chairman: P. Königshof	
14.00-14.20	Bahrami A. , Boncheva I., Königshof P., Yazdi M. & Parsanejad H.: Biostratigraphy of the Late Devonian (Famennian) deposits of the Kuh-e-Kaftar section (Chah-Riseh area), Central Iran
14.20-14.40	Navas-Parejo P. , Sandberg C.A. & Poole F.G.: Paleogeographic implications of early Famennian <i>crepida</i> Zone conodont faunas, Sonora, NW Mexico
14.40-15.00	Soboleva M. , Sobolev D. & Königshof P.: Conodont stratigraphy of Frasnian deposits of the western slope of the Polar Urals
15.00-15.20	Spalletta C. , Perri M.C., Corradini C. & Over J.D.: Proposed revision of the Famennian (Upper Devonian) standard conodont zonation

15.20-15.40 Coffee break (VIP room)

Session 6: Frasnian–Famennian boundary (Grand auditorium) Chairman: E. Schindler	
15.40-16.00	Carmichael S. & Waters J.: A decade of deciphering the Late Devonian: more answers, but many more questions
16.00-16.20	Lukševičs E. & Stinkulis Ģ.: Signatures of biotic crisis in the Frasnian–Famennian boundary beds from Latvia
16.20-16.40	Farabegoli E. , Joachimski M.M., Perri M.C., Pondrelli M. & Spalletta C.: Physical and biological events across the Frasnian–Famennian boundary in oxic carbonate successions in the Carnic Alps (Italy–Austria)
16.40-17.00	Goolaerts S. & Gouwy S.: The Lahonry quarry at Lompret, Belgium: an extraordinary new site to study Upper Frasnian cephalopods during the onset of anoxia in the Dinant Basin
17.00-17.20	Becker R.T. , Aboussalam Z.S., El Hassani A., Hartenfels S. & Baidder L.: The timing of Eovariscan block faulting, reworking and re-deposition in the Moroccan Meseta

- 17.20-17.30 Closing ceremony (*Grand auditorium*)
17.45 SDS Business Meeting (*Dollo room*)
19.30 Gala dinner (*Dinosaur Gallery*)

Posters

- Ariunchimeg Ya.: Upper Devonian bryozoans from western Mongolia
Boncheva I., Bahrami A., Königshof P., Yazdi M., Hoveida M. & Razi Allipour B.: Devonian deposits of Bahram Formation in the Kuh-e-Reza-Abad and the Kuh-e-Shorab sections (southwest Damghan), Central Iran
Brazeau M.D., Jerve A., Sansom R., Ariunchimeg Ya. & Zorig E.: Devonian vertebrates of Mongolia
Brice D. & Mottequin B.: New insights on Uppermost Famennian brachiopods from north-western France (Avesnois)
Bultynck P. & Narkiewicz K.: New data on Middle Devonian conodonts from New York State with emphasis on the Icriodontidae
Casier J.-G., Mailliet S. & Pr at A.: Ostracods from the Emsian–Eifelian and Eifelian–Givetian boundaries in the Dinant Synclinorium: paleoenvironmental implications
Cr nier C., Khaldi A.Y., Hainaut G., Abbache A. & Ouali Mehadjji A.: Biodiversity and palaeobiogeographical affinities of Lower Devonian trilobites from Algeria
Denayer J. & Mottequin B.: Middle and Upper Devonian Events in Belgium: review and new insights
Denayer J. & Webb G.E.: Post-extinction recovery of the earliest Carboniferous rugose corals, a glimpse from eastern Australia
Dreesen R., Vachard D., Marion J.-M. & Mottequin B.: The Red Marble of Baelen, an exceptional mid-Famennian mud mound complex in a carbonate ramp setting from Eastern Belgium
Girard C., Charruault A.-L., Corradini C., Corn e J.-J., Weyer D., Bartsch K. & Feist R.: Paleoenvironmental trends in two Famennian sections of “Galantian” Superterrane: Col des Tribes (Montagne Noire, France) and Buschteich (Thuringia, Germany)
Glinskiy V. & Ivanov A.: The assemblages of psammosteid agnathans from the Middle-Late Devonian of the Andoma Hill (Russia)
Gonchigdorj S. & Kido E.: Tabulate corals from the Samnuuruul Formation (Upper Devonian) in southwestern Mongolia
Gouwy S. & Goolaerts S.: Upper Frasnian deposits at the Lahonry quarry (Lompret, Belgium): conodont biostratigraphy, microvertebrates and bentonites
Gouwy S., Liao J.-C. & Valenzuela-R os J.I.: Upper Eifelian–Lower Frasnian (Middle–Upper Devonian) conodont biostratigraphy improved by graphic correlation in the Spanish Central Pyrenees

- Hartenfels S. & Becker R.T.: Revised conodont stratigraphy of the famous Ballberg section (Famennian, Rhenish Massif, Germany)
- Helling S. & Becker R.T.: A new Pragian trilobite assemblage from Aïn-Al-Aliliga (western Meseta, NW Morocco)
- Hušková A., Suttner T.J., Slavík L., Valenzuela-Ríos J.I., Liao J.-C., Gatovsky Y.A., Ariunchimeg Ya., Kido E., Gonchigdorj S., Waters J.A., Carmichael S.K. & Batchelor C.: Late Devonian conodonts of western Mongolia: preliminary results
- Jiang Q., Xu H.-H., Wang Y & Feng J.: Aneurophytalean plants from the Middle Devonian of North Xinjiang, China and their ecosystematic inference in the associated Hujiersite flora
- Königshof P., Phuong T.H., Carmichael S., Waters J., Batchelor C. & Komatsu T.: Events in the Mid-Palaeozoic: examples from the eastern Palaeotethys (NE Vietnam)
- Kurilenko A.V. & Minina O.R.: The correlation of Devonian deposits of Eastern and Western Transbaikal (Eastern Russia)
- Lukševičs E.: The latest Famennian vertebrate and trace fossils from the Ketleri site, Latvia
- Maillet S., Danelian T., Monnet C., Crônier C. & Milhau B.: Biodiversity changes of ostracods across the late Mid-Devonian global Taghanic biocrisis
- Maillet S., Milhau B., Vreulx M. & Sánchez de Posada L.-C.: Givetian ostracods of the Candás Formation (Asturias, north-western Spain): taxonomy, stratigraphy, palaeoecology, relationship to global events and palaeogeographical implications
- Malti F.Z., Benyoucef M., Samar L. & Sid Houm R.: The Devonian–Carboniferous boundary in the Saoura Valley (western Algerian Sahara)
- Mavrinskaya T.M. & Artyushkova O.V.: Conodonts from Pragian and Emsian boundary intervals in the different facial sections of the South Urals
- Mottequin B. & Denayer J.: Pridolian–Lochkovian macrofaunas from southern Belgium and northern France: de Koninck (1876) revisited
- Mottequin B. & Simon E.: Diversity of athyridide brachiopods during the Late Devonian–Tournaisian in southern Belgium
- Munkhjargal A.: Devonian trilobites from The Samnuuruul Formation in the Baitag Bogd area (western Mongolia)
- Navas-Parejo P. & Königshof P.: Devonian and Carboniferous shallow-water successions from Sonora (NW Mexico) and their importance in global event studies
- Nikolaeva S., Kim A. & Erina M.: Early Devonian ammonoids from Shakhimardan (South Tien-Shan)
- Olive S.: What's new with the Famennian vertebrate fauna from Belgium?
- Ponciano L. & Carvalho M.: Devonian trilobites of the Amazonas and Parnaíba basins, Brazil
- Prestiani C., Gess R., Rustán J.J., Balseiro D., Vaccari E. & Sterren A.F.: Continental ecosystems at high palaeolatitude before and after the Devonian–Carboniferous boundary: two examples from South Africa and Argentina
- Schindler E., Gereke M., Piecha M., Luppold F.W. & Stoppel D.: The Kellwasser type locality in the Harz Mountains (Germany) revisited – new results after widening of the classical outcrop
- Stichling S., Aboussalam Z.S., Becker R.T., Eichholt S. & Hartenfels S.: Event-controlled reef drowning and extinction in the Hönne Valley (northern Rhenish Massif, Hagen-Balve reef complex)
- Streel M.: Palynomorphs (miospores, acritarchs, prasinophytes) before and during the Hangenberg crisis
- Tonarová P., Vodrážková S. & Ferrová L.: Microfossils across the Daleje Event (Lower Devonian, Emsian) from the Pekárek Mill section (Prague Basin, Czech Republic)
- Vodrážková S., Vodrážka R., Munnecke A., Tonarová P. & Franců J.: Microbial activity exemplified by wrinkle structures in the Middle Devonian siliciclastics of the Prague Basin, Czech Republic
- Zambito J., Day J. & Narkiewicz K.: New insights into the trilobite and conodont biostratigraphy of the Middle–Upper Devonian Genesee Group in eastern New York State