

Curriculum Vitae

Eva De Boever

1. Personal information

Name	Eva De Boever
Date, Place of birth	Nov. 12, 1982 - Leuven, Belgium
Nationality	Belgian
Contact	Rue Samaritaine 9, 1700 Fribourg, Switzerland. +41 (0)764 69 04 00
Work address	University Fribourg, Dep. of Geosciences, Chemin du Musée 6, CH- 1700 Fribourg, Switzerland. E-mail: eva.deboever@unifr.ch

2. Academic education

01.2006 - 02.2010	PhD in Sciences, Geology, KU Leuven (Belgium). Supervisors: Prof. R. Swennen, Prof. Ph. Muchez. Public defense: 12.02.2010.
09.2004 - 07.2005	Master in Marine and Lacustrine Sciences, UGent (Belgium). (Greatest distinction)
09.2002 - 09.2004	Licentiate in Geology, KU Leuven (Belgium). (Great distinction)
09.2000 - 07.2002	Kandidate in Geology, KU Leuven (Belgium). (Graduated with distinction).

3. Employment history

Since 07.2015	SNSF Ambizione research fellow (100%) at University of Fribourg, Switzerland. Carbonate Sedimentology Group.
05.2013 - 06.2015	Post-doctoral research fellow (100%) at KU Leuven, Belgium. Controls on the Distribution of Porosity and Permeability within Travertine Reservoir Analogs.
10.2011 - 04.2013	Geoscientist and project leader (100%) at Flemish Institute of Technological Research (VITO, Belgium)
05-09.2011	Research Assistant (100%) at the Dep. Reservoir–Petrology, RWTH Aachen University (Germany)
03.2010 - 02.2011	Post-doctoral research fellow (100%) at IFP-Energies Nouvelles (France). A new approach towards quantified diagenesis: Assessment of dynamic porosity/cement evolution in carbonate rocks.

4. Approved Research Projects

07.2015 - 06.2018	QuantiCarb@Spring: Processes and quantification of CaCO ₃ fabric-specific layering at hot springs and its environmental implications. SNSF Ambizione (personal project grant). Role: PI (http://p3.snf.ch/project-154810)
01-05.2013 – 07.2014	GEOHEAT-APP - Economic feasibility of intermediary and deep geothermy for a sustainable heat demand in building and refurbishment projects. European Interreg IVA framework. Role: PI
01-07.2012	Interreg IVC project “GEO.POWER” (http://geopower-i4c.eu/), VITO, Belgium. Role: Project leader (last phase of project)
01.2006 - 02.2010	Dynamic evolution of hydrocarbon migration and carbonate diagenesis – Study of an ancient methane seep system (Early Eocene, Varna, Bulgaria). IWT Vlaanderen, Belgium. PhD grant. Role: PI

5. Supervision of junior scientists

To date	Master thesis: Anja-Sara Koestinger, University of Fribourg (Switzerland). Project: Characterization of ancient hot spring travertine deposits of Gardiner, Montana, USA. Co-supervision
08.2016	Bachelor thesis: Claudia Birrer, University of Fribourg (Switzerland). Project: Wachstum des Kalktuffs – ein Feldexperiment im Vallée de Gottéron, Fribourg, CH). Co-supervision
08.2015	Master thesis: Joke Loos, KU Leuven (Belgium). Project: Study of the Magnetic susceptibility in travertine → associated continental deposits – case study on the Faber cores (Denizli, Turkey). Co-supervision
08.2015	Master thesis: France Champenois, KU Leuven (Belgium). Project: Reservoir characterization of the travertine carbonates in the Faber borehole in the Denizli basin (Turkey). Co-supervision
12.2010 - 02.2011	Internship Steven Claes, IFP EN (France). Project: Coupling conventional 2D petrography to μ CT to better quantify porosity and cement volumes in heterogeneous carbonate reservoir rocks. Co-supervision
06.2009	Master thesis: Fun Meeuws, UGhent (Belgium). Project: Carbonate-enriched lithifications in coastal sediments: Rharr Basin, Morocco. Co-supervision
08.2006	Master thesis: Katrien Vounckx, KU Leuven (Belgium). Project: Sedimentological study of the Pobiti Kamani grapestone structures in relation to methane seepage (Eocene, Varna, Bulgaria). In Dutch. Co-supervision Master thesis: Kevin Stoop, KU Leuven (Belgium). Project: The Pobiti Kamani carbonate cemented sandstone structures: relationship with normal faults (Beloslav, Bulgaria). Co-supervision

6. Outreach

24.09.2016	Explora Day - Journée portes ouvertes UniFR. With an interactive stand on marine geology and paleontology for kids.
24-25.03.2016	Stage WINS (Women in Natural Sciences Day) - La Plongée dans la géologie – Tauchen in der Geologie. For highschool girls.
12.2012	Publication of current status and guidelines for geothermy in Belgium (for users, regional and local governments). De Boever, E., Lagrou, D., Laenen, B. Beknopte wegwijzer, geothermie in België - Guide de la Géothermie en Belgique. www.geopower-i4c.eu

7. Membership in Scientific Societies

04.2016 – to date	Geochemical Society
2008 - 2013	American Association of Petroleum Geologists
07.2008 – to date	International Association of Sedimentologists

8. Organization of conferences, workshops

02.2016 + 02.2017	Co-organisation of SwissSed 2016 and 2017 (Fribourg, Switzerland). 45-50 participants
11.2016	Co-organisation of 1 st International Carbonate Mound Conference (Selva di Val Gardena, Switzerland). 60 participants
06.2012	Workshop “Geothermal energy – current state and future challenges in Belgium” - Interreg IVC project GEO.POWER. In collaboration with European Geothermal Energy Council (EGEC, Brussels). 40 participants.
09.2009	Scientific workshop and field trip ‘Geological and bio(geo)chemical processes at cold seeps’ (Varna, Bulgaria). Sponsorship from IAS. 30 participants.

9. Fellowships and Grants

07.2015 - 06.2018	SNSF Ambizione post-doctoral researcher fellowship (3 years)
01-02.2014	Research mobility grant to UIUC Dep. of Geology and Institute of Genomic Biology (IL, USA)
03-06 + 09-12.2014	Outgoing long-term mobility grant to Univ. de Fribourg (FWO, Belgium)
09.2008	Postgraduate student grant awarded by IAS for field work “The migration of hydrocarbons along fault zones in unlithified sediments and its influence on sedimentary structures – study of a paleo-seep system (Eocene, Bulgaria)”
01.2006 - 02.2010	PhD research fellowship 2+2 years of IWT Vlaanderen (Belgium)
06-07.2006	Full participation grant by the USC Wrigley Institute – Agouron Institute for the 2006 International Geobiology Course (6 weeks, CA, USA)

10. Teaching activities (lectures, practical/lab sessions, field courses)

Bachelor (Undergraduate)

04.2017	Co-lecturer for practical sessions ‘Methods in Sedimentology’. Bachelor in Geology (1-week block course). University Fribourg (Switzerland), in French/German. (ECTS: 2.5)
06-07.2014	Co-organiser of the International excursion to the Albanian Alps. University of Fribourg (Switzerland). In English/French/German (ECTS: 3)
10.2011	Co-lecturer of field seminar “Crystalline geology of the Scottish Highlands”. RWTH Aachen, in English/German.
09.2006 - 01.2009	Co-lecturer of practical sessions and excursions ‘Geology’. Bachelor in Civil Engineering and Bachelor in Geology, KU Leuven. In Dutch. (ECTS: 1)

Master (Graduate)

09-12.2016	Co-lecturer ‘Diagenesis of Sediments’. BEFRI Master - Earth Sciences, in English. (ECTS: 3)
06.2016	Co-lecturer ‘Advanced Carbonate Sedimentology’. BEFRI Master - Earth Sciences, in English. (ECTS: 2.5)
09.2013 - 01.2014	Supervisor of practical sessions and co-lecturer “Applied Sedimentology”. KU Leuven, in English. (ECTS: 3)
05-09.2011	Co-lecturer of “Reservoir – Petrology I”. RWTH Aachen, in English.
05.2010	“Carbonate diagenesis” (2 days). Master in Petroleum Geosciences, IFP School, Paris. In English/French.
09.2011	Co-supervisor of field seminar “Petroleum geology of Bristol and the British Channel”. RWTH Aachen, in English.
09-2007 - 12.2009	Practical courses “Applied Sedimentology”. KU Leuven, in English. (ECTS: 2.4).

Postgraduate level

01.2014	Invited talk at Geology Colloquium (UIUC, USA). ‘Travertines ain't no cheddar - What's the story behind the holes?’
07.2010	“Carbonate sedimentology-diagenesis” (5 days) for young professionals at PDVSA, Caracas, Venezuela (for IFP Training), in English/Spanish.

11. Career breaks

01.01 – 31.03.2015	Maternity leave
20.10.2017 – 15.02.2018	

12. Languages

Dutch	Mother tongue
English, French	Proficient user (reading, speaking, writing)
German	Basic user (reading, speaking, writing)

Scientific publications and contributions in conferences

1. Publications in peer-reviewed scientific journals

De Boever, E., Brasier, A.T., Foubert, A., Kele, S., 2017. What do we really know about early diagenesis of non-marine carbonates? *Sedimentary Geology*, 361, 25-51. (Invited Review)

De Boever, E., Foubert, A., Lopez, B., Swennen, R., Haesler, H., Jaworowski, C., Özkul, M., Virgone, A., Fouke, B.W., 2017. A Spring Depositional Facies Model and fundamental controls on spring architecture: a Comparison of the Pleistocene Cakmak Quarry (Denizli, Turkey) and Modern Mammoth Hot Springs (Yellowstone, USA). *Quaternary International*, 437, 129-146. doi.org/10.1016/j.quaint.2016.09.011

De Boever, E., Foubert, A., Oligschläger, D., Claes, S., Soete, J., Bertier, P., Swennen, R., Virgone, A., 2016. Quantification of porosity in continental spring carbonate facies - Case study from plugs of the Cakmak quarry (Denizli, Turkey). *G-cubed*, 17, 2922–2939, doi:10.1002/2016GC006382

Oligschläger, D., Lehmkuhl, S., Watzlaw, J., Benders, S., **De Boever, E.**, Rehorn, C., Vossel, M., Schnakenberg, U., Blümich, B., 2015. Miniaturized Multi-coil arrays for functional planar imaging with a single-sided NMR sensor. *J Magn Reson*, 254, 10-18. 10.1016/j.jmr.2015.02.001

Verhoeven, R., Willems, E., Harcouët-Menou, V., **De Boever, E.**, Hiddes, L., Op 't Veld, P., Demollin, E., 2014. Minewater 2.0 project in Heerlen the Netherlands: transformation of a geothermal mine water pilot project into a full scale hybrid sustainable energy infrastructure for heating and cooling. *Energy Procedia*, 46, 58 – 67. doi: 10.1016/j.egypro.2014.01.158.

Nader, F.H., **De Boever, E.**, Liberati, M., Dumont, C., Gasparrini, M., Ceriani, A., Morad, S., Lerat, O., Doligne, B., 2013. Quantification of diagenesis impacts on the reservoir properties of the Arab D and C Members (offshore U.A.E.). *Geofluids*, 13, 204-220. doi: 10.1111/gfl.12022

De Boever, E., Varloteaux, C., Nader, F.H., Foubert, A., Békri, S., Youssef, S., Rosenberg, E., 2012. Quantification and Prediction of the 3D Pore Network Evolution in Carbonate Reservoir Rocks. *Oil & Gas Science and Technology – Revue d'IFP Energies nouvelles*, 67(4), 161 – 178. doi: 10.2516/ogst/2011170

De Boever, E., Muchez, Ph., Dimitrov, L., Swennen, R., 2011. Evolution of deformation and fault-related fluid flow within an ancient methane seep system (Eocene, Varna, Bulgaria). *Geofluids*, 11(2), 166-183. doi: 10.1111/j.1468-8123.2011.00328.x

De Boever, E., Birgel, Muchez, Ph., Peckmann, J., Dimitrov, L., Swennen, R., 2011. Fabric and formation of grapestone concretions within an unusual ancient methane seep system. *Terra Nova*, 23, 56-61. doi: 10.1111/j.1365-3121.2010.00984.x (SCI Impact Factor 2012: 2.830; 2 citations)

De Boever, E., Birgel, D., Thiel, V., Muchez, Ph., Peckmann, J., Dimitrov, L., Swennen, R., 2009. The formation of giant tubular concretions triggered by anaerobic oxidation of methane as revealed by archaeal molecular fossils (Lower Eocene, Varna, Bulgaria). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 280, 23-36. doi:10.1016/j.palaeo.2009.05.010

De Boever, E., Huysmans, M., Swennen, R., Muchez, Ph., Dimitrov, L., 2009. Controlling factors on the morphology and spatial distribution of hydrocarbon-related tubular concretions – study of a Lower Eocene seep system, *Marine and Petroleum Geology*, 26, 1580-1591. doi:10.1016/j.marpetgeo.2008.11.004

De Boever, E., Dimitrov, L., Muchez, Ph., Swennen, R., 2009. The Pobiti Kamani area (Varna, NE Bulgaria) – study of a well-preserved paleo-seep system. *Review of the Bulgarian Geological Society*, 69, 1-3, 61-68.

De Boever, E., Swennen, R., Dimitrov, L., 2006. Lower Eocene carbonate cemented chimneys (Varna, NE Bulgaria): formation mechanisms and the (a)biological mediation of chimney growth? *Sedimentary Geology*, 185(3-4), 159-173. doi:10.1016/j.sedgeo.2005.12.010

Van Rooij, D., Depreiter, D., Bouimetarhan, I., **De Boever, E.**, De Rycker, K., Foubert, A., Huvenne, V., Reveillaud, J., Staelens, P., Vercruysse, J., Versteeg, W. & Henriët, J.-P., 2005. First sighting of active fluid venting in the Gulf of Cadiz. *EOS Transactions*, 86(49), 509-511.

2. Peer-reviewed conference proceedings

Loveless, S., Pluymaekers, M., Lagrou, D., **De Boever, E.**, Doornenbal, H., Laenen, B., 2014. Mapping the geothermal potential of fault zones in the Belgium-Netherlands border region. *Energy Procedia*, 59, 351-358.

De Boever, E., Swennen, R., Dimitrov, L., **2006**. Lower Eocene carbonate cemented “chimney” structures (Varna, Bulgaria). – Control of seepage rates on their formation and geochemical signature. *Journal of Geochemical Exploration*, 89(1-3), 78-82. doi:10.1016/j.gexplo.2005.11.028

3. Oral contributions to conferences (talk and poster)

De Boever, E., Foubert, A., Bouvier, A-S, Baumgartner, L., Swennen, R. The fate of travertine fabrics – Case study of early diagenesis in the Y-10 core (Mammoth Hot Springs, Yellowstone, USA). Poster presentation at IAS Meeting, 9-13 October, 2017, Toulouse, France.

De Boever, E., Foubert, A., Kanellopoulos, C., Kele, S., Jaramillo-Vogel, D. Rates and controls on early diagenesis in continental spring carbonates – a lab experimental approach. Poster presentation at Goldschmidt Conference, 13-18 August, 2017, Paris, France.

Jaramillo-Vogel, D., Foubert, A., Krause, S., **De Boever, E.** Insights in the spatial and temporal heterogeneity of biofilm lithification revealed with multi-scaled micro-CT. Oral presentation at Swiss NanoConvention, 1-2 June, 2017, Fribourg, Switzerland.

Foubert, A., Jaramillo-Vogel, D., **De Boever, E.**, Krause, S., Hamaekers, H. Insights in the spatial and temporal heterogeneity of biofilm lithification. Oral presentation at Micro-CT User Meeting 2017, 12-15 June, 2017, Brussels, Belgium.

Koestinger, A.-S., **De Boever, E.**, Jaramillo-Vogel, D., Foubert, A. Characterization of ancient hot spring travertine deposits in Gardiner, Montana (U.S.A): Impact of diagenesis on travertine facies. Poster presentation at SwissSed meeting, 25 February, 2017, Fribourg, Switzerland

De Boever, E., Foubert, A., Oligschlaeger, D., Claes, S., Soete, J., Bertier, P., Özkul, M., Virgone, A., Swennen, R. Combined μ -CT - NMR approach to (micro)porosity quantification in continental spring carbonates. Poster presentation at the Swiss Geosciences Meeting, Geneva (Switzerland), November 19th, 2016

Foubert, A., Jaramillo-Vogel, D., **De Boever, E.**, Feenstra, E., Hamaekers, H., Krause, S. Multi-scale 3D-visualization of microbial carbonates: Insights from field and lab experiments. Poster presentation at the Swiss Geosciences Meeting, Geneva (Switzerland), November 19th, 2016

De Boever, E., Foubert, A., Oligschlaeger, D., Claes, S., Soete, J., Bertier, P., Özkul, M., Virgone, A., Swennen, R. Multi-scale approach to (micro)porosity quantification in Pleistocene continental spring carbonate facies from Cakmak quarry (Denizli, Turkey). Oral presentation at Dolomieu Conference on Carbonate Platforms and Dolomite, Selva di Val Gardena (Italy), 4-7 October, 2016.

De Boever, E. and Foubert, A., 2016. Controls on CaCO_3 precipitation and diagenesis in terrestrial hot springs. Oral presentation at the Goldschmidt 2016 conference, 26.06 – 01.07, Yokohama, Japan

Soete, J., Claes, S., Claes, H., Erthal, M. M., **De Boever, E.**, Foubert, A., Klitzsch, N., Özkul, M., Swennen, R. Unraveling the pore network and its behavior: an integrated NMR, MIP and petrographical study of continental carbonates from the Ballik area, SW Turkey. AAPG Conference ‘Carbonate Reservoirs’, Bari (Italy), 26-27 April, 2016.

De Boever, E. and Foubert, A., 2016. An experimental lab set-up to address mechanisms and controls of CaCO_3 precipitation at continental hot springs. Presented as poster on the SwissSed meeting, 27 February, Fribourg, Switzerland.

De Boever, E. and Foubert, A., 2015. An experimental lab set-up to address mechanisms and controls of CaCO_3 precipitation at continental hot springs. Poster presentation on the First International Carbonate Mound Conference, 1 – 5 November, Monte Verità, Switzerland.

De Boever, E., Foubert, A., Oligschlaeger, D., Soete, J., Claes, S., Bertier, P., Virgone, A., Swennen, R., Fouke, B.W., 2015. Water-Microbe-Mineral Interactions that control the origin and distribution of micro-porosity within travertine facies. Poster presentation, Bathurst Meeting, 13-17 July, Edinburgh, UK.

De Boever, E., Foubert, A., Anselmetti, F.S., Soete, J., DeMott, L., Claes, H., Özkul, M., Virgone, A., Swennen, R., Fouke, B.W., 2014. Drilling modern to ancient continental spring carbonates – Comparison of facies and petrophysics from travertine cores in the Ballik area (Pleistocene, Denizli, Turkey) and Mammoth Hot Springs (Holocene, Yellowstone, USA). Poster presentation at the 12th Swiss Geoscience Meeting – Drilling the Earth, 21-22 November, Fribourg, Switzerland.

De Boever, E., Champenois, F., Anselmetti, F., Swennen, R., Foubert, A., Özkul, M., Virgone, A., 2014. Facies-specific acoustic and petrophysical properties in continental spring carbonates based on a travertine dome core section in the Ballik area (Denizli, Turkey). Poster presentation at the 19th

International Sedimentological Congress-Sedimentology at the crossroads of new frontiers, 18-22 August, Geneva, Switzerland.

De Boever, E., Foubert, A., Lopez, B., Swennen, R., Özkul, M., Virgone, A., Fouke, B.W., 2014. System-Scale Travertine Facies Distributions: a comparison of modern (Mammoth Hot Springs, Yellowstone, USA) and ancient deposits (Denizli Basin, Turkey). 19th Oral presentation at the International Sedimentological Congress-Sedimentology at the crossroads of new frontiers, 18-22 August, Geneva, Switzerland.

Foubert, A., **De Boever, E.**, Dong, Y., Mayandu, S., Fried, G., Swennen, R., Virgone, A., Fouke, B.W., 2014. Microbial controls on the distribution of micro-porosity within travertine facies. 19th Poster presentation at the International Sedimentological Congress-Sedimentology at the crossroads of new frontiers, 18-22 August, Geneva, Switzerland.

Claes, S., Huysmans, M., Soete, J., **De Boever, E.**, Claes, H., Özkül, M., Swennen, R., 2014. Upscaling in complex carbonate reservoirs: a (geo)statistical approach. Oral presentation at International Sedimentological Congress-Sedimentology at the crossroads of new frontiers, 18-22 August, Geneva, Switzerland.

Loveless, S., Pluymaekers, M., Lagrou, D., Laenen, B., Doornenbal, H., **De Boever, E.**, 2014. Mapping the geothermal potential of fault zones in the sedimentary basins of the Belgian and Netherlands border region. EGU Conference, 27 April – 2 May, Vienna, Austria.

De Boever, E., Foubert, A., Fouke, B.W., Swennen, R., Özkul, M., Virgone, A. Controls on the 3D distribution of microporosity and its connectivity within recent to ancient travertine deposits. Poster presentation at the SwissSed meeting, 22 February, 2014. Fribourg, Switzerland.

DeMott, L.M., **De Boever, E.**, Sivagauru, M., Fried, G., Fouke, B.W. Microbial Controls on Porosity and Permeability Distribution in Hot-Spring Carbonate Deposits: A Facies-Specific Comparison of Modern and Ancient Microbial Depositional Fabrics. Poster presentation at the UIUC SESE Research Review, Feb. 21, 2014.

Loveless, S., Pluymaekers, M., Lagrou, D., Laenen, B., Doornenbal, H., **De Boever, E.** Mapping the geothermal potential of fault zones in the sedimentary basins of the Belgian and Netherlands border region. Accepted for presentation at the EGU General Assembly 2014.

De Boever, E., Varloteaux, C., Foubert, A., Nader, F.H., Youssef, S., Békri, S., Rosenberg, E. Combined μ -CT and pore network modeling dedicated to quantitative rock-typing? Oral presentation at the International Geofluids VII conference, 6 – 8 June, 2012, Rueil-Malmaison, France.

De Boever, E., Varloteaux, C., Nader, F.H., Békri, S., Youssef, S., Rosenberg, E., Foubert, A. Towards the quantification of diagenesis and the 3D pore structure evolution in carbonate rocks. Poster presentation at the International Conference on Flows and Mechanics in Natural Porous Media from Pore to Field Scale – Pore2Field, 16 – 18 November 2011, Rueil-Malmaison, France.

De Boever, E., Varloteaux, C., Foubert, A., Nader, F.H., Youssef, S., Békri, S., Rosenberg, E. Combined μ -CT and Pore Network Modeling Dedicated to Quantitative Rock-typing. Poster presentation at the AAPG International Conference and Exhibition, 23 – 26 October, 2011, Milan, Italy.

De Boever, E., Swennen, R., Muchez, Ph. A synthetic model for the evolution of an Early Eocene seep system (Varna, Bulgaria). Poster presentation at the 28th IAS meeting in Sedimentology, 4 – 8 July 2011, Zaragoza, Spain.

De Boever, E., Varloteaux, C., Nader, F.H., Foubert, A., Békri, S., Youssef, S., Rosenberg, E. An Integrated Workflow for The Quantitative Assessment And Prediction Of 3D Pore Network Evolution In Carbonate Reservoir Rocks. Poster presentation at the 28th IAS meeting in Sedimentology, 4 – 8 July 2011, Zaragoza, Spain.

De Boever, E., Muchez, Ph., Crowley, S., Dimitrov, L., Swennen, R. The barrier capacity of sandstone beds with respect to ascending methane-bearing fluids – A case study from an Eocene seep system (Bulgaria). Poster presentation at the 27th IAS conference of Sedimentology, 20 - 23 September, 2009, Alghero, Italy.

De Boever, E., Birgel, D., Muchez, Ph., Peckmann, J., Dimitrov, L., Swennen, R. Spheroidal sandstone concretions – Their formation and significance in an Eocene seep system (Bulgaria). Oral presentation at Goldschmidt2009, 21-26 June 2009, Davos, Switzerland. In: *Geochimica et Cosmochimica Acta*, 73 (13), A271-A271.

De Boever, E., Huysmans, M., Swennen, R., Muchez, Ph., Dimitrov, L. Controlling factors on the morphology and spatial distribution of hydrocarbon-related tubular concretions – study of a Lower Eocene seep system. Presented as poster at the 9th International Conference on Gas in Marine Sediments, 15-19 September 2008, Bremen, Germany.

De Boever, E., Birgel, D., Swennen, R., Peckmann, J., Muchez, Ph., Dimitrov, L. Hydrocarbon-related calcite cementation in tubular concretions – an integrated approach (Lower Eocene, Varna, Bulgaria). Presented as poster at the 26th IAS Meeting of Sedimentology, 1-3 September 2008, Bochum, Germany. ISBN 978-3-510-49205-3,, p86.

De Boever, E., Swennen, R., Dimitrov, L. Sedimentology and timing of hydrocarbon seepage – The Pobiti Kamani area (Varna, Bulgaria). Oral presentation at the AAPG Energy Conference and Exhibition, 18-21 November 2007, Athens, Greece.

De Boever, E., Swennen, R., Muchez, Ph., Vangelov, D., Dimitrov, L. The formation of the Pobiti Kamani tubular concretions – Diagenetic products of HC-related fluid flow (Varna, Bulgaria). Oral presentation at the GV Conference, 2-5 October 2007, Bremen, Germany.

De Boever, E., Swennen, R., Dimitrov, L. Anatomy (Petrography and Geochemistry) of Cold Seep Carbonate chimneys, Data from a World Class surface occurrence (Varna, Bulgaria). Oral presentation on the 13th Bathurst Conference, 16-18 July 2007, Norwich, UK. ISSN: 0946-8978, p52-53.

De Boever, E., Swennen, R., Stoop, K., Vounckx, K., Dimitrov, L. Lower Eocene carbonate-cemented 'chimney'-structures (Varna, Bulgaria) – Control of seepage rates on their formation and stable isotopic signature. Presented as poster on Geofluids V conference, 17-21 May, 2006, Windsor, Canada.

De Boever, E., Swennen, R., Dimitrov, L. Massive carbonate cemented structures related to hydrocarbon-seepage (Lower Eocene, Bulgaria) – morphology and stable isotope geochemistry linked to seepage mode. Presented as poster on EGU General Assembly 2006, 2-7 April, 2006, Vienna, Austria.

De Boever, E., Depreiter, D., Swennen, R., Henriët, J-P. Integrated geophysical and petrological study of fluid expulsion features along the Moroccan Atlantic Margin. Presented as poster on EGU General Assembly 2006, 2-7 April, 2006, Vienna, Austria.

Depreiter, D., Van Rensbergen, P., Poort, J., **De Boever, E.**, Swennen, R., Henriët, J., 2005. Integrated geophysical and petrological characterization of mud volcanoes at the Moroccan Atlantic margin: Linking morphology to fluid flow. *Eos, Trans. (Wash. D.C.) AGU Fall Meet. Suppl.* 86(52): abstract T13B-0456. In: *Eos, Transactions, American Geophysical Union. American Geophysical Union: Washington DC.* ISSN 0096-3941.

4. Other reports with documented/internal use

Lagrou, D., Loveless, S., Harcouët-Menou, V., Rombaut, B., Lamckacker, T., **De Boever, E.**, Kleinegriss, L., Roelse, B., Doornenbal, J.C., Pluymaekers, M.P.D., ten Veen, J., Kramers, L. Economische haalbaarheid van intermediaire en diepe geothermie voor het verduurzamen van de warmtevraag bij bouw- en renovatieprojecten (GEOHEAT-APP), **2014**. <https://dov.vlaanderen.be/dovweb/html/geothermie.html>

De Boever, E., Lagrou, D., Laenen, B., Dec. **2012**. Beknopte wegwijzer, geothermie in België - Guide de la Géothermie en Belgique. Publication by VITO in the framework of the Interreg IVC project GEO.POWER. www.geopower-i4c.eu

De Boever, E., Varloteaux, C., Nader, F.H., Foubert, A., Békri, S., Youssef, S., Rosenberg, E., **2011**. An integrated approach for the quantification and prediction of the 3D pore structure evolution in carbonate reservoir rocks. Internal Report IFP EN – Div. Geology-Geochemistry-Geophysics, post-doctoral research project.

Claes, S., **De Boever, E.**, Nader, F.H., Youssef, S., Rosenberg, E., Gasparrini, M., Foubert, A., **2011**. Coupling conventional 2D petrography to μ CT to better quantify porosity and cement volumes in heterogeneous carbonate reservoir rocks. Internal Report IFP EN – Div. Geology-Geochemistry-Geophysics, master internship project.