

CURRICULUM VITAE – François De Vleeschouwer

Personnal data:

Name: De Vleeschouwer

Surname: François

Date and place of birth: April 14th, 1979, Brussels, Belgium

Nationality: Belgian

Address: Chile 554, C1098AAL, Ciudad Autonoma de Buenos Aires, Argentina.

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Professional situation:

Actual position: CNRS Researcher (HDR), Adjunct Director at IFAECI (IRL 3351

CNRS-CONICET-UBA-IRD)

Address: Dpto. de Ciencias de la Atmosfera y los Oceanos, FCEN, Universidad de Buenos Aires, Intendente Guiraldes 2160 - Ciudad Universitaria, Pabellon II - 2do. Piso, (C1428EGA) Ciudad Autonoma de Buenos Aires - Argentina

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Main research interests:

Tracing environmental changes using elemental/isotopic geochemistry in continental archives at high latitudes and altitudes.

Reconstructing natural/anthropogenic dust fluxes and sources during the Holocene.

Understanding the dust-climate-human interaction through an integrative paleo/modelling approach

Understanding the dispersion and impact of mining activities over time.

Previous research activities and employments:

2010: Post-doctoral fellow: Early diagenesis in lake sediments and peat inorganic geochemistry using XRF analyses on small samples. Two-year post-doc at University of Umeå, Sweden. Supervisor: Richard Bindler.

2009: University contractant: coordination of a multiproxy study of the recent development of a peat bog in Belgium. Station Scientifique des Hautes-Fagnes, Université de Liège (Belgium). Supervisor Louis Leclercq.

2009: Post-doctoral fellow - Marie Curie Actions - Fellowships for the Transfer of Knowledge (ToK) Development Scheme. Absolute Time scales and Isotope Studies for investigating events in Earth and Human history (**ATIS** project, CONTRACT No: MTKD-CT-2005-029642, Gliwice Absolute Dating Center, Gliwice, Poland). Supervisor: Anna Pazdur

2009: Post-doctoral fellow - Marie Curie Actions – Marie Curie Excellence Grant Project. Understanding the irregularity of seismic cycles: A case study in Turkey. Supervisor: Aurélia Hubert-Ferrari, Royal Observatory of Belgium, Brussels. This two-month job aims to obtain accurate radiocarbon dating by acceleration mass spectrometry on pollen extracts from lake sediments.

2008: Post-doctoral fellow - Marie Curie Actions - Fellowships for the Transfer of Knowledge (ToK) Development Scheme. Absolute Time scales and Isotope Studies for investigating events in Earth and Human history (**ATIS** project, CONTRACT No: MTKD-CT-2005-029642, Gliwice Absolute Dating Center, Gliwice, Poland). Supervisor: Anna Pazdur

2003-2007: PhD thesis - Heavy metal records in peat. Archives of natural vs. anthropogenic influences - Geochemistry and tephrrostratigraphy of peat deposits. Atmosphericdeposits quantification, influence of tephras on geochemical profiles of particlesand pore waters. Study of peat bogs from Belgium, France, Germany, Chile and Iceland. Tracing pollution sources using elemental and lead isotopic geochemistryin peat bogs from Belgium, France and Poland. Supervisor: Dr. N. Fagel (ULg),Funding: F.R.I.A. (Belgian National Research Grant for Science).

2002-2003: Msc thesis - *Geological interpretations of major and trace elements evolutions in peaty environment. Example of three peat bogs from Meridional Chile.* - Tephrostratigraphy and geochemistry of three mires, with focus on tracing particle sources. Supervisor: Dr. N. Fagel (ULg).

2001-2002: Bsc thesis - *Tephrostratigraphical study of Holocene deposits from two Chilean lakes watersheds. Example from Lakes Icalma and Galletue (Chile - S 38°, W 71°).* – Tephrostratigraphy in two watersheds (using soil outcrops, peat cores and lake cores) with purpose to use the data to correlate lake records in the area. Supervisors: Prof. E. Juvigné (ULg) and Dr. N. Fagel (ULg).

Languages: French (mother language), English (fluent), Spanish (good), Dutch (basics).

Other Scientific activities:

Chairman of the 29th International Conference of the Society for Environmental Geochemistry and Health. Toulouse, July 8th – 12th. This is a 160-people international conference co-organised by EcoLab and the SEGH.

Reviews (10/yr) for: Archéosciences; Environmental Geochemistry and Health (Associate Editor); Environmental Science and Technology; Geochimica and Cosmochimica Acta; Geochemistry: Exploration, Environment, Analysis; Geochronometria; Quaternary International; Quaternary Research; Quaternary Science Reviews; Spectroscopy Letters; Springer books; The Holocene.

Laboratory skills:

- Strong experience in team working
- Strong experience in the field of peat geochemistry (coring, clean sampling, analysis);
- Maintenance of a class-100 clean air cabinet, design of home-made chromatographic columns;
- Important experience in X-ray fluorescence and analyses of rocks, sediments peat, soils and ceramic samples. Calibration and optimisation of a S8-Tiger (Bruker)
- Experience in peat macrofossils preparation and identification for ¹⁴C analysis;
- Experience in sample preparation for A.M.S. for ¹⁴C analysis;
- Experience in sample preparation and measurement of ²¹⁰Pb and ¹³⁷Cs;
- Basic Knowledge in ICP-MS, ICP-AES, HR-ICP-MS: Major and trace elements in bulk sediments and water samples;
- DIONEX-100: analyses of anionic content in water samples;
- Basic experience in fluorescence microscopy, SEM-EDS;

Supervision and Teaching:

1/ PhDs:

2015-2019:

Chuxian Li. « Using geochemical proxies to understand the cycle of atmospheric dust and mercury in the Holocene » Co-supervision F. De Vleeschouwer and J. Sonke (CNRS, Toulouse). Defended September 2019.

Clemens von Scheffer.« Climate, Environment and human impact since the last deglaciation in the Central Alps – A geochemical and sedimentological approach using micro mires ».Co-supervision and double diploma between Institut National Polytechnique Toulouse and University of Kiel, Germany. Co-supervision F. De Vleeschouwer (CNRS, Toulouse) and I. Unkel (University Kiel). Defended July 2019.

2012-2016:

S. Pratte. «Les tourbières en tant qu'archives de la variabilité des dépôts des poussières atmosphériques holocènes au Québec boréal – Implications

paléoclimatiques et paléoenvironmentales ». Defended suma cum laude in June 2016. Co-supervision and double diploma between Institut National Polytechnique Toulouse and Université du Québec à Montréal, Canada. Co-supervision F. De Vleeschouwer (CNRS, Toulouse) and M. Garneau (UQAM, Montréal).

2011 – 2014:

S. Hansson. "Incorporation and preservation of geochemical fingerprints in peat archives". Defended suma cum laude in January 2015. Co-supervision R. Bindler, (EMG Umeå), J. Klaminder (EMG, Umeå) and F. De Vleeschouwer (CNRS, Toulouse).

2/ Masters and trainees:

2021:

Camille Guilleux: M2 Université de Bordeaux. « Etude à haute résolution d'archives environnementales d'Amérique du Sud et lien avec l'histoire et l'archéologie minière andine »

2020:

Sara Poupart: M1 Ecole Polytechnique de Paris. « A review on Andean peatlands and their characteristics”

2017-2018:

Louis Longo:M1 Perpignan. "Géochimie de la lagune d'Aveiro dans un contexte de pollution chimique industrielle"

Oceane Périllous:M1 Perpignan. "Géochimie de séquences de tourbe des Pyrénées"

2015 - 2016:

Laura Presas: M1 « Eau, Sol, Environnement », Université Paul Sabatier. "Mesure de cendres et granulométrie dans une séquence de tourbe de L'Ile Amsterdam"

Lisa Lepage: M1 « Eau, Sol, Environnement », Université Paul Sabatier. "Etude de la densité et du taux de cendres de quatre tourbières de l'île d'Hokkaido au Japon"

2014 - 2015:

Clemens Von Scheffer : Diplomarbeit, co-supervision M. Franck (University of Kiel) and F. De Vleeschouwer (CNRS). « Mesure de cendres, granulométrie et densité dans des séquences de tourbe de Terre de Feu – Détection des apports en poussières atmosphériques à la transition Tardiglaciaire – Holocène ».

2013 - 2014:

Pierre Falba: M1 « Eau, Sol, Environnement », Université Paul Sabatier. " Mesure de cendres et granulométrie dans une séquence de tourbe de Terre de Feu. Détection des apports en poussières atmosphériques au cours de l'Holocène. "

Caroline Ricaud: M1 « Eau, Sol, Environnement », "Université Paul Sabatier. Etude de la densité, du taux de cendres et du taux de mercure de sondages de deux tourbières d'Hokkaido (Japon). "

2012-2013:

Clemens Von Scheffer: M2 H2SE. Erasmus student from Germany. "Evolution des apports de poussières atmosphériques Durant la première moitié de l'Holocène en Terre de Feu."

Pierre Falba: M1 Ecologie, Université Paul Sabatier. "Mesure des cendres, granulométrie et densité dans une sequence de tourbe de Terre de Feu –

Détection des apports en poussières atmosphériques au cours de l'Holocène"

Maéva Vingadassalom: M1 ESE. "Mesure des taux de mercure et de cendre dans deux sondages cours de la tourbière de Harberton, Terre de Feu, Argentine"

Adeline Salvy: M1 ESE. "Mesure des taux de mercure et de cendre dans deux sondages cours de la tourbière d'Andorra, Terre de Feu, Argentine"

Aubry Vanderstraeten: Master at Université Libre de Bruxelles (Belgium), in co-supervision with N. Mattielli (ULB, Belgium): "Développement de isotopes du Pb, Nd et Hf pour la détection des apports de poussières atmosphériques durant la première moitié de l'Holocène en Terre de Feu"

2011-2012:

Jérôme Le Ster: Stage 2ème Année ENSAT. "Evolution des tourbières dans un contexte de réchauffement climatique"

2010-2011:

Benjamin Amman: M2 H2SE "Tracing early atmospheric metal pollution from mining in central Sweden: multi-element analysis of a peat record from Borrmossen"

Elise Moign: M1 ESE. "Mesure des terres rares dans les sphagnes. Validation de la méthode et test de détection d'un événement volcanique"

2002-2008:

Help in supervising 5 Msc in Belgium: S. Moreels (ULB-ULg) A. Jaquemot (ULB-ULg), L. Gérard (ULg), C. Goormargtigh (ULB-ULg), M. Ibanez (ULB-ULg).

Laboratory supervision of 2 foreign PhD students in Belgium (B. Fialkewitz, University of Katowice, Poland and K. Tudyka, GADAM centre, Gliwice, Poland)

Supervision (with N. Fagel, S. Delculée and L. Barchy - ULg) of a field course in Morocco for Geology Msc students (ULg, Belgium), April 2008.

3/ Teaching

- Field Course – M2 « *Ecologie et Biosciences de l'Environnement* », INP Toulouse. « *Les tourbières comme archives paléoenvironnementales* ». Co-encadrement avec G. Le Roux (CNRS, EcoLab, Toulouse).
- Course: "Peatlands as archives of environmental and climatic change". Summer School "Cambio climático Global: una perspectiva paleoambiental" - coord. R. Urrutia and A. Araneda. EULA-University of Concepcion, Chile. January 2012.
- Course : "Analytical geochemistry". Master course, University of Umeå, Sweden, Octobre 2010.
- Course: "Anthropogenic records vs. climatic influences in peat bogs". Summer School "Cambio climático Global: una perspectiva paleoambiental" - coord. R. Urrutia and A. Araneda. EULA-University of Concepcion, Chile. January 2008.

Research Grants and prizes:

Last 4 years:

| Funding | Beneficiary | Type | Title/Objectives | PI | Role | Budget (k€) | Period |
|---------|-------------|------|------------------|----|------|-------------|--------|
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|--|---------------------------------------|----------------------------------|--|---------------------------------|----------------------------|---|
| PEPR FAIRCARBON | CNRS/various labs | Research | CARBON Stock, Transfer and Reactivity : Evaluations And Modeling in boreal, temperate, and tropical wetlands | P.Turcq | Participant | 2024-2028 submitted |
| PICT-MINCYT | CICTERRA/IFAECI | Research | Variabilidad Climática Holocena en el Sud de Sudamerica a partir del Archivo Eólico (Loess) Pampeano | D. Gaiero | Co-I | 40 2023-2026 |
| IPEV (France) | IFAECI | Research | Southern Ocean westerly winds and the global CO2 sink | FDV | PI | All field cost covered 2023 - postponed to 2024 |
| Artemis ClimatAmSud Fondecyt | IFAECI IFAECI Pont. U. Santiago | Research Network Research | Andean Dust from sources to Sink Andean Dust from sources to Sink Reconstructions of southern South American continental dust emissions and aridity since the Last Glacial Maximum | FDV FDV F. Lambert | PI PI Participant | 4 2023 25 2023-2024 75 2023-2027 |
| PIP-CONICET | CICTERRA | Research | Monitoreo de aerosoles minerales en Isla 25 de Mayo (Shetland del Sur – Antártida Argentina) | D. Gaiero | Co-I | 9 2023-2024 |
| CNRS (MITI 2022) IRD | IFAECI | Research Mobility | Andean Dust from sources to Sink Environmental archives of past ENSO and anthropogenic activities in Peru and Bolivia | FDV FDV | PI PI | 15 2022-2024 9 2022 |
| Artemis PICT-MINCYT | IFAECI IANIGLA | Research Research | Andean Dust from sources to Sink Controles tectónicos y climáticos en la evolución paleoambiental de la cuenca bajada del Río Mendoza durante el Pleistoceno tardío-Holoceno | FDV S. Moreiras | PI Participant | 3 2022 9 2021-2024 |
| ANSTO (Australia) | BAS | Research | Developing a circum-hemispheric record of anthropogenic plutonium fallout from islands in the Southern Ocean | S. Roberts | Participant | 20 2021 |
| ANR | LEFE | Research | Impact of permafrost thaw on Arctic and Subarctic peatland carbon dynamics | L. Gandois | Participant | 315 2020-2024 |
| Ecole Univ. Rech. Hors IDEX ANR | OMP GET | Training Research | Toulouse Earth Science School Emission transport and deposition of atmospheric micro-plastics (ATMO-PLASTIC) | M. Toplis J. Sonke | Participant Participant | 6000 2020-2024 650 2020-2023 |
| EC2CO | LEFE | Research | PALSA : Carbon dynamics of thawing Palsas | L. Gandois | Participant | 30 2020-2021 |
| IEA | IFAECI | Mobility | Dust Dynamics in South America | FDV | PI | 6 2020-2021 |
| ARTEMIS | IFAECI | Research | Westerly Winds and the Southern CO ₂ Sink | FDV | PI | 4 2020 |
| SIP-Universidad de Cuyo ANR | Univ. Cuyo GEODE | Research Research | Evolución geomorfológica y reconstrucción paleoambiental del antiguo Río Mendoza The last European old-growth ("subnatural") fir-Beech forests: a long-term and global study for their better understanding, conservation and management (BENDYS) | S. Moreiras V.Py | Participant Expert | 1 2020 230 2019-22 |
| Fondecyt (1191223) | Pont. U. Santiago | Research | Constraining the effect of South american dust on Atmospheric CO ₂ changes | F. Lambert | Participant | 75 2019-22 |
| MAE (France) - Projet Test CLIMAT AmSud FACE FOUNDATION - Make our Planet Great Again CNRS | IFAECI LEFE CNRS | Research Research Research | Dynamique physico-chimique passée, présente et future des poussières atmosphériques – Agents globaux du changement climatique. "Carbon Islands": long-term carbon and other geochemical cycles in Hawaii and la Réunion A young solution to an problem : children resilience to urban ecosystems | FDV G. Le Roux J. Le Gall | PI Participant Co-I | 4 2019-20 20 2019-21 30 2019 |
| IRD | IFAECI | Mobility | Monitoring Andean peatlands by combining field and satellite observations | S.Ferrant | Co-I | 9 2019 |

Field experience:

- March 2023:** Peat Coring in Catamarca Province, Argentina. 4 days
- September 2022:** Peat coring in Bolivian Altiplano. 5 days.
- August 2022:** Peat coring in Peruvian Amazon Andes. 5 days
- April 2022:** Coring Patagonian peat bogs around Puerto Natales (Chile). 5 days
PI. F. Lambert (PUC)
- February 2022:** Coring Pealand of Vacas Valley, Aconcagua Park. 1 day.
- January 2020:** Fieldtrip to Andes near Mendoza. High altitude peatland prospection. 15 days
- November 2017:** Fieldtrip to Portugal (Aveiro Lagoon and Sierra da Freita Mountains) to collect peat, coastal marsh and lagoon samples. 7 days.
- August 2017:** Fieldtrip to Dofhar Mountains (Oman) to collect water and lake sediment samples. 7 days.
- June 2017:** Fieldtrip to SE China to collect peat samples. 5 days.
- Jan/Feb 2017:** Antarctic Circumpolar Navigation Expedition. Rock, soil and peat sampling along an Antarctic transect from Tasmania to Patagonia. 25 days.
- November 2016:** Fieldtrip to Tierra del Fuego. Rock and soil collection in Glacier valleys North of Ushuaia. 2 days.
- October 2016:** Fieldtrip to the French Pyrénées to collect peat and lake samples. 3 days.
- September 2016:** Fieldtrip to SE China to collect peat samples. 5 days.
- Summer 2016:** Several trips to the Pyrénées mountains to sample lake sediments, peatlands and water.
- January 2016:** Peat coring in Northern Patagonia, Chile. PI S. Bertrand, University of Ghent. 15 days.
- Nov/Dec 2014:** PI on peat coring on Amsterdam Island, French Austral Territories, Sub-Antarctic Sector. 30 days + 30 days on French RV Marion Dufresne
- October 2013:** Peat sampling in south India. 5 days. Supervision R. Bala.
- Jan/Feb 2013:** Organizing and coordinating a field expedition in Tierra del Fuego (Chile and Argentina). Coring and sampling peatlands, sampling river and lake waters. 25 days.
- July 2012:** Peat coring on the North Canadian coast. 7 days. Coordinator M. Garneau (GEOTOP, Montréal, Canada)
- Jan/Feb 2012:** Organizing and coordinating a field expedition in Tierra del Fuego (Chile and Argentina). Coring and sampling peatlands, sampling river and lake waters. 35 days.
- November 2011:** River sampling, Chilean Patagonia. 35 days. Coordinator S. Bertrand (UGent, Belgium).
- Septembre 2011:** Peat and lake coring in the French Pyrénées. 5 days. Supervision D. Galop (CNRS, Laboratoire Geode, Université du Mirail, Toulouse)
- August 2011:** Peat coring in Scotland. 2 days. Supervision G. Mallon, Univ. Southampton.
- July 2011:** Peat and lake coring in the French Pyrénées. 2 days. Supervision D. Galop (CNRS, Laboratoire Geode, Université du Mirail, Toulouse)
- Mai 2010 :** Peat coring in Central Sweden. 5 days. Supervision: R. Bindler (EMG, Umeå, Suède)
- Janvier 2010 :** Lake coring in Central Sweden. 5 days. Supervision: R. Bindler (EMG, Umeå, Suède)
- Jan/Feb 2009:** Lake coring, outcrop, river and sediment samplings in fjords of Patagonia (South Chile). 40 days.
- July 2008:** Peat coring and lake water sampling in Wigri Region (North Poland). 5 days.
- January 2008:** Outcrop sampling, peat and lake coring in North Chilean Patagonia. 20 days. Project FONDECYT 1070508, Coordinator R. Urrutia (EULA, Concepcion, Chile).
- January 2007:** Outcrop sampling, peat and lake coring in North Chilean Patagonia. 15 days. Coordinator R. Urrutia (EULA, Concepcion, Chile).

- April 2007:** Endogenous and metamorphic petrology of the Eifel Massif. 2 days. Leaders: F. Hatert, J-M Marion and L. Barchy.
- August 2004:** Fieldwork in North East Iceland. Peat samples collection, tephrostratigraphy, geomorphology and geology of glacial sediments. 10 days. Joined mission coordinated by B. Van-Vliet-Lanoë (USTL, Lille)
- May 2003:** Fieldwork in Massif Central (France). Peat coring and tephrostratigraphy of the area. 10 days.
- April 2003:** Fieldwork in Eifel (France). Peat coring and tephrostratigraphy of the area. 3 days.
- May 2002:** Geology of Pyrenees and Massif Central (France), 10 days. Leaders: E. Poty, F. Boulvain and J. Thorez.
- Dec 2001/Jan 2002:** Peat coring, outcrop sampling and tephrostratigraphy in the Chilean Lake District. 30 days. Project coordinator: M. De Batist.

Invited conferences and external activities:

- April 2019:** Seminar/course « Peatlands as archives of environmental changes ». Pontificia Católica Universidad de Chile, Santiago de Chile.
- October 2017:** Seminar at the CIMA/IAEAI (Buenos Aires) “Peatlands as archives of atmospheric dust”
- October 2017:** Seminar at the Pontifical Catholic University of Santiago (Chile) “Peatlands as archives of atmospheric dust”
- October 2017:** Course seminar at the University of Mendoza. “What can peatland bring us to better understand South America’s past climate and environmental changes”.
- June 2017:** Invited conference at the 33rd Conference on Environmental Geochemistry and Health, Guangzhou, China. “The Wonders of Peatlands”
- November 2016:** Invited conference at CICTERRA, Córdoba, Argentina. “The Wonders of Peatlands”
- September 2016:** Invited conference at the Nanjing Paleolimnology Laboratory (China), “Peatlands as archives of atmospheric dust”
- September 2015:** Opening keynote lecture at the 5th Croatian Geological Congress in Osijek, Croatia. “The Wonders of Peatlands”
- November 2013:** Invited conference at CICTERRA, Córdoba, Argentina. “Peat bogs as archives of past atmospheric dust. Insight on some ongoing studies”
- October 2013:** Invited conference at IISc Bangalore, India “Peat bogs as archives of past atmospheric dust. Insight on some ongoing studies”
- April 2013:** Invited conference at EAWAG, Zurich, Switzerland. “Peat bogs as archives of past atmospheric dust. Insight on some ongoing studies”
- November 2012:** Invited conference at Plymouth University, UK. “Peat bogs as archives of past atmospheric dust. Insight on some ongoing studies”
- April 2012 :** Figure of the week, PaleoSeminars, Department of Ecology and Environmental Sciences, University of Umeå, Sweden. Title: PARAD: An international project around peat bog records of atmospheric dust fluxes in Southern South America. Concepts and first field expedition.
- May 2011 :** Invited seminar at the GEOTOP, Université du Québec à Montréal, Canada. Title “Using peat bogs to decipher atmospheric dust sources and fluxes throughout the Holocene”
- November 2009:** Invited conference at EcoLab-CNRS, Toulouse, France. Title: “La géochimie en tourbière. Exemples et perspectives”. In French.
- May 2009:** Invited participant to the *Peatland Archives of Holocene Climate Variability Workshop* (Vihula, Estonia, May 17th-21st, 2009)
- October 2008:** 5 days of courses: “Methods of quantitative paleoenvironmental reconstructions” Autumn School in Poznan (Marie Curie NICE programme).
- October 2008:** Conference at the Department of Biogeography and Palaeoecology,

- Adam Mickiewicz University, Poznan (Pologne): “Peat inorganic geochemistry as a tracer of palaeoclimatic and anthropogenic impacts.”*
- April 2008:** 5 days peat samples preparation in UGC (Heidelberg, Germany) with G. Le Roux.
- January 2008:** Anthropogenic records vs. climatic influences in peat bogs. Seminar at Summer School “Cambio climatico Global: una perspectiva paleoambiental” - coord. R. Urrutia and A. Araneda. EULA-University of Concepcion, Chile. January 9th-16th, 2008.
- October 2007:** Co-leader (with N. Fagel) of a BELQUA field-meeting “Belgian peat bogs as archives of environmental changes in the Holocene”.
- May 2007:** 1-month training in radiocarbon and lead 210 dating at the GADAM Center of Excellence (Gliwice, Poland) with Anna Pazdur, Jaroslaw Sikorsky and Natalia Piotrowska.
- May 2007:** Conference given at the GADAM Center of Excellence (Gliwice, Poland). ‘Reconstruction of past anthropogenic activities using geochemistry in peat bogs’.
- May 2006:** Co-author (with V. Renson) of a conference for the Haute Ardenne Society. ‘Le Pavé de Charlemagne – Apports de la Géochimie.’ *In French*, translation : *The Charlemagne pavement, contribution of geochemistry*.
- May 2005:** 5 days training of peat plant macrofossils at the IBED (Amsterdam University, The Netherlands) with B. Van Geel and D. Mauquoy.
- January 2005:** First author (with V. Renson) of a conference given at the NIOZ Royal Netherlands Institute for Sea Research (The Netherlands). ‘Peat bog geochemistry – Natural vs. anthropogenic impacts.’
- January 2005:** 5 days of XRF core scanning applied to peat samples from Belgium and Iceland.
- January 2005:** Conference given at the UMR-CNRS Processus et bilan sédimentaires, USTL, Lille (France). ‘La géochimie en tourbière. Perturbation naturelle et impacts anthropiques.’ *In French*, translation : *Peat bog geochemistry. Natural perturbations and anthropogenic impacts*.
- January 2005:** 3 days of SEM-EDS analysis together with B. Van Vliet-Lanoë (USTL, Lille)
- September 2004:** 3 days training in Utrecht University (The Netherlands) for geochemical reactive transport modelling with P. Regnier.

7. Full publication list

Morethan 3200 citations, H-index: 28, I-index: 52

<https://scholar.google.fr/citations?user=m6QqvT4AAAAJ&hl=fr>

| Type | | |
|--------------------------------------|------------------------------|-----------|
| International peer-reviewed journals | 1st author | 16 |
| | Co- author | 43 |
| National journals | 1st author | 1 |
| | Co- author | 4 |
| International conferences | 1st author | 36 |
| | Co- author | 58 |
| National conferences | 1st author | 10 |
| | | 7 |
| Book chapters and guest editorials | | 5 |
| Miscellaneous | | 4 |

A. International peer reviewed journals

LI C., ENRICO M., MAGAND O., ARAUJO B.F., LE ROUX G., OSTERWALDER S., DOMMERGUE A., BERTRAND Y., BRIOUDE J., **DE VLEESCHOUWER F.**, SONKE J.E. (2023). A peat core Hg stable isotope reconstruction of Holocene atmospheric Hg deposition at Amsterdam Island (37.8°S). *Geochimica et Cosmochimica Acta* **341**: 62-74. <https://doi.org/10.1016/j.gca.2022.11.024>

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RENON V., FAGEL N., NEKRASOFF S., STREEL M. AND **DE VLEESCHOUWER F.(2005)**. Pourquoi une route pavée (via Mansuerisca ?) au travers des tourbières ? Enfin une hypothèse ... qui tient la route.*Hautes Fagnes*258:3-4.In French

RENON V., FAGEL N., STREEL M. AND **DE VLEESCHOUWER F.(2005)**. La via Mansuersica, première cause de pollution dans les Hautes Fagnes?*Miscellanea Faniae*8: 7.In French

C. International Conferences

GONZALEZC., LAMBERTF., ROJASM., MORENO P., **DE VLEESCHOUWER F.** AND LE ROUX G.(2019).Elemental analysis and reconstruction of late Holocene aeolian dust fluxes from the Rio Rubens peat bog in Patagonia. 20th Congress of the International Union for Quaternary Research (INQUA), 25th-31st July 2019, Dublin, Ireland.Abstract + Poster

PRATTES., BAOK., **DE VLEESCHOUWERF.**, LIC., VON SCHEFFER C. AND ZHANG W. (2019). A Holocene geochemical peat record for paleo-dust tracing in NE China. 20th Congress of the International Union for Quaternary Research (INQUA), 25th-31st July 2019, Dublin, Ireland. Abstract + Poster

LI C., SONKE J., LE ROUX G., VAN DER PUTTEN N., PIOTROWSKA N., JEANDEL C., MATTIELLIN., WIGGS G. AND **DE VLEESCHOUWERF.** (2019). Holocene southern westerly wind variability in the Southern Indian Ocean Sector: a dust record from Amsterdam Island. 20th Congress of the International Union for Quaternary Research (INQUA), 25th-31st July 2019, Dublin, Ireland. Abstract + Talk

TORRE G., GAIERO D., GILI S., SAWAKUCHI A., **DE VLEESCHOUWER F.** AND LE ROUX G. (2018) The Accumulation Rate and Provenance of Southern South American (Pampean) Loess during the Last Glacial/Interglacial Cycle. Goldschmidt Conference, 12th – 17th August 2018, Boston, USA. Abstract + Poster

MARQUER L., MAZIER F., SUGITA S., GALOP D., HOET T., VAN BEEK P., FAURE E., GAILLARD M.-J., HAUNOLD S., DE MUNNIK N., SIMONNEAU A., **DE VLEESCHOUWER F.** AND LE ROUX G. (2018). Pollen-based reconstruction of landscape openness in mountain regions: evaluation of the Landscape Reconstruction Algorithm at the Vicdessos valley in French Pyrenees. European Paleobotany and Palynology Conference, 12th – 17th August 2018, Dublin, Ireland. Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., BERTRAND S., PIOTROWSKA N., CORONATO A., ROLAND T., VON SCHEFFER C., LE ROUX G. AND THE PARAD TEAM (2017). Fuegian Peatlands: Recorders of Holocene Environmental Change. International conference on High Latitude Dust, 22nd – 25th May 2017, Reykjavik, Iceland. Abstract + Talk.

DE VLEESCHOUWER F., CHARCOSSET J-Y, BARRET M., BERGER J., CASTILLO A., DOMMERGUE A., GHEUSI F., HEULIN T., JEANDEL C., LAROSE C., LAUGA B., MARUSZAK N., MASSON O., MAZIER F., LE ROUX G., PONT V., ZEMB O. AND SONKE J. (2017). Micro-organisms and Dust – Signatures, Interactions, Transport and Dissemination. International conference on High Latitude Dust, 22nd – 25th May 2017, Reykjavik, Iceland. Abstract + Poster.

PRATTE S., **DE VLEESCHOUWER F. AND GARNEAU M. (2017).** Late Holocene records of atmospheric dust deposition in eastern Canada. 5th PAGES Open Science Meeting, 9th – 13th May 2017, Zaragoza, Spain. Abstract + Talk.

LIC., LE ROUX G., SONKE J., MATTIELLI N., PIOTROWSKA N., VAN DER PUTTEN N., JEANDEL C. AND **DE VLEESCHOUWER F. (2017).** Holocene composition in the Indian Ocean inferred from Amsterdam Island peat geochemistry. 5th PAGES Open Science Meeting, 9th – 13th May 2017, Zaragoza, Spain. Abstract + Talk.

VON SCHEFFER C., UNKEL I. AND **DE VLEESCHOUWER F. (2017).** Environment, Climate and Human impact in the Central Alps since the last deglaciation: Small-scale mires as sedimentological and geochemical archives. 5th PAGES Open Science Meeting, 9th – 13th May 2017, Zaragoza, Spain. Abstract + Poster.

DE VLEESCHOUWER F., VANNESTE H., PIOTROWSKA N., BERTRAND S., CORONATO A., MAUQUOY D. AND LE ROUX G. (2016). Fuegian peatlands: recorders of environmental changes since the last deglaciation. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster.

DE VLEESCHOUWER F., LE ROUX G., SONKE J., VAN BEEK P., SOUAUT M., POURCELOT L., MASSON O., GUARRIARAN R., HUGHES P.D.M., PIOTROWSKA N., TANIMIZU M. AND HOTES S. (2016). Japanese PEat records of ATmospheric deposition of artificial radionuclides (J-PEAT): Impacts of Fukushima accident and implications for radiochronology. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster.

LI C., **DE VLEESCHOUWER F., PIOTROWSKA N., VAN BEEK P., SOUAUT M., LE ROUX G., VAN DER PUTTEN N. AND SONKE J. (2016).** Peat bogs from Amsterdam Island (South Indian Ocean): Preliminary results on Holocene environmental changes. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Talk

VANDERSTRAETEN A., BONNEVILLE S., DEBOUDT K., FLAMENT P., GODERIS S., **DE VLEESCHOUWER F., LE ROUX G., GIERE R., PHILIPPE M., TISON J.L., DEBAILLE V. AND MATTIELLI N. (2016).** Physico-chemical characterization and tracing of dust deposition in snow from Dronning Maud Land, NE Antarctica. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster

LE ROUX G., **DE VLEESCHOUWER F., BIONDI F., DURAS N., ENRICO M., DE ALMEIDA S.F.P., HANSSON S., OUTRIDGE P., SHOTYK W., SONKE J AND MARINHO P. (2016).** Geochemical environmental archives for human-environmental observatories. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster

LE ROUX G., CLAUSTRES A., BINET S., **DE VLEESCHOUWER F., GANDOIS L., HANSSON S., MAZIER F., SIMONNEAU A., TEISSERENC R. AND THE TRAM TEAM (2016).** Trace metal legacy on mountins aquatic ecogeochemistry: TRAM. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster

FIAŁKIEWICZ-KOZIEŁ B., DE VLEESCHOUWER F., ŁOKAS E. AND SMIEJA-KRÓL B. (2016). Sources of air pollution in Karkonosze Mountains (SW Poland) using a peat record spanning for 300 years. 32nd SEGH Conference, Brussels, 4th – 8th July 2016. Abstract + Poster

DE VLEESCHOUWER F., ROLAND T., PIOTROWSKA N., VANNESTE H., BERTRAND S., MAUQUOY D., BLAAUW M., VON SCHEFFER C. AND LE ROUX G. (2016). Refining the Holocene tephra stratigraphy of Southern South America. 12th International Conference "Methods of Absolute Chronology", Gliwice, Poland, 11th – 13th May 2016. Abstract + Talk

LI C., DE VLEESCHOUWER F., PIOTROWSKA N., VAN BEEK P., SOUAUT M., LE ROUX G., VAN DER PUTTEN N. AND SONKE J. (2016). Peat bogs from Amsterdam Island (South Indian Ocean): Preliminary results on Holocene environmental changes. 12th International Conference "Methods of Absolute Chronology", Gliwice, Poland, 11th – 13th May 2016. Abstract + Talk

LE ROUX G., MAZIER F., CLAUSTRES A., ENRICO M., CUVIER A., VON SCHEFFER C., GALOP D., HEIMBURGER L.E., VAN VEEK P., SOUAUT M., BARON S., SONKE J. AND DE VLEESCHOUWER F. (2016). Dating the Anthropocene in peat archives. 12th International Conference "Methods of Absolute Chronology", Gliwice, Poland, 11th – 13th May 2016. Abstract + Poster

DE VLEESCHOUWER F., LE ROUX G., SONKE J., VAN BEEK P., SOUAUT M., POURCELOT L., MASSON O., GUARRIARAN R., HUGHES P.D.M., PIOTROWSKA N., TANIMIZU M. AND HOTES S. (2016). Japanese PEat records of ATmospheric deposition of artificial radionuclides (J-PEAT): Impacts of Fukushima accident and implications for radiochronology. 12th International Conference "Methods of Absolute Chronology", Gliwice, Poland, 11th – 13th May 2016. Abstract + Poster.

DE VLEESCHOUWER F., VANNESTE H., PIOTROWSKA N., BERTRAND S., CORONATO A., MAUQUOY D. AND LE ROUX G. (2016). Fuegian peatlands: recorders of environmental changes since the last deglaciation. 12th International Conference "Methods of Absolute Chronology", Gliwice, Poland, 11th – 13th May Abstract + Poster.

DE VLEESCHOUWER F., LE ROUX G., SONKE J., VAN BEEK P., SOUAUT M., POURCELOT L., MASSON O., GUARRIARAN R., HUGHES P.D.M., PIOTROWSKA N., TANIMIZU M. AND HOTES S. (2016). Japanese PEat records of ATmospheric deposition of artificial radionuclides (J-PEAT): Impacts of Fukushima accident and implications for radiochronology. Goldschmidt Conference, Yokohama, Japan, June 24th – 29th 2016. Abstract + Poster.

DE VLEESCHOUWER F., VANNESTE H., BERTRAND S., PIOTROWSKA N., CORONATO A., ROLAND T., VON SCHEFFER C., LE ROUX G. AND THE PARAD TEAM (2016). Fuegian Peatlands: Recorders of Holocene Environmental Change. Southern Connection Congress, Punta Arenas, 18th – 23rd January 2016. Abstract + Talk.

DE VLEESCHOUWER F. (2015). The Wonders of Peatlands. 5th Croatian Geological Conference, Osijek, Croatia, September 22nd – 26th 2015. Abstract + Invited Plenary Lecture.

DE VLEESCHOUWER F. (2015). Fuegian peatlands: recorders of environmental changes over the Holocene. PAGES Antarctic 2K Workshop, Venice, 3rd – 4th September 2015. Abstract + Poster.

NAAFS B.D.A., INGLIS G.I., McCLYMONT E., HUGUETA., **DE VLEESCHOUWER F.**, EVERSHED R.P. AND PANCOST R.D (2015). A new peat-specific temperature proxy, based on brGDGTs. Goldschmidt Conference, 16th-23rd August 2015, Prague, Czech Republic. Abstract + Talk.

VANDERSTRAETEN A., BONNEVILLE S., SCHOEMAN V., FLAMENT P., DEBOUDT K., GROBETY B., **DE VLEESCHOUWER F.**, LE ROUX G., GIERE R., TISON J.-L. & DEBAILLE V. (2015). Dust Deposition in Snow from Northeast Antarctica: Mineralogical, Morphological and Chemical Characterization. Goldschmidt Conference, 16th-23rd August 2015, Prague, Czech Republic. Abstract + poster.

DE VLEESCHOUWER F., VON SCHEFFER C., ROLAND T., BERNTSSON A., KYLANDER M AND LE ROUX G. (2015). A 12.5kyr high-resolution record in Southern South Patagonia. Specific dust events and palaeoclimate relationships. INQUA Conference, Nagoya, Japan, July 27th – August 2nd. Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., LE ROUX G. AND GAIERO D. (2015). Elemental and mineral fluxes in peat bogs. Do we record the real thing? INQUA Conference, Nagoya, Japan, July 27th – August 2nd. Abstract + Poster.

DE VLEESCHOUWER F., LE ROUX G., SONKE J., VAN BEEK P., SOUAUT M., POURCELOT L., MASSON O., GUARRIARAN R., HUGHES P.D.M., PIOTROWSKA N., TANIMIZU M., HOTES S., KLAMINDER J., MARTINEZ-CORTIZAS A. AND OLID C. (2015). Japanese PEat records of ATmospheric deposition of artificial radionuclides (J-PEAT): Impacts of Fukushima accident and implications for radiochronology. INQUA Conference, Nagoya, Japan, July 27th – August 2nd. Abstract + Poster.

BERNTSSON A., JANSSON K.N., KYLANDER M.E., **DE VLEESCHOUWER F.** AND BERTRAND S. (2015). Late Holocene hydroclimatology of NW Sweden inferred from the geomorphology and sediment record of the alpine Lake Vuoksjávrátje. INQUA Conference, Nagoya, Japan, July 27th – August 2nd. Abstract + Talk.

PRATTE S., **DE VLEESCHOUWER F.** AND GARNEAU M. (2015). Geochemical peat bog records of atmospheric dust deposition in the Estuary and Gulf of St. Lawrence, Canada. INQUA Congress, Nagoya, Japan, July 27th – August 2nd. Abstract + Talk.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.** (2015). Holocene palaeoenvironmental reconstruction in a boreal bog (James Bay, NE Canada): preliminary results. INQUA Congress, Nagoya, Japan, July 27th – August 2nd. Abstract + Poster.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.** (2015). Peat bog as geochemical archives of atmospheric dust deposition in eastern Canada: a multi-proxy approach. AGU Joint Assembly, Montreal, Canada, May 3rd – 7th. Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., MATTIELLI N., VANDERSTRAETEN A., VON SCHEFFER C., PIOTROSWKA N., CORONATO A. AND LE ROUX G. (2014). Holocene peat bog records of atmospheric dust fluxes in Southern South America. DUST Conference, Castelanetta Marina, Italy, 1st – 6th June 2014. Abstract + Poster.

LE ROUX G., **DE VLEESCHOUWER F.**, MATTIELLI N AND FAGEL N. (2014). Saharan dust input during the early-middle Holocene transition. DUST Conference, Castelanetta Marina, Italy, 1st – 6th June 2014. Abstract + Poster.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.** (2014). Holocene peat bog records of atmospheric dust on the Quebec's North Shore (Canada) – preliminary results. DUST Conference, Castelanetta Marina, Italy, 1st – 6th June 2014. Abstract + Talk.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.** (2014). Peat bog archives of atmospheric dust deposition from the North Shore of the Estuary and the Gulf of the St. Lawrence.

GEOTOP Student Congress, Pohénégamook, Québec, 14th - 16th March 2014.
Abstract + Poster.

VANNESTE H., **DE VLEESCHOUWER F.**, MATTIELLI N., VANDERSTRAETEN A., VON SCHEFFER C., PIOTROSWKA N., CORONATO A. AND LE ROUX G. (2013). Geochemical Evidence for Periods of Increased Mineral Dust Deposition in Patagonian Peat Bogs Since the Last Deglaciation. AGU Fall Meeting, San Francisco, December 2013. Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., MATTIELLI N., VANDERSTRAETEN A., PIOTROSWKA N., CORONATO A. AND LE ROUX G. (2013). Holocene peat bog records of atmospheric dust fluxes in Southern South America. Goldschmidt Conference, Florence, Italy, 23rd 29th August 2013 Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., FALBA P., MATTIELLI N., VANDERSTRAETEN A., PIOTROSWKA N., AND LE ROUX G. (2013). Peat bog records of atmospheric dust fluxes in Chilean Tierra del Fuego. Preliminary results and perspectives. Methods of Absolute Chronology Conference, Podlesice, Poland, 15th – 18th May 2013. Abstract + Talk.

DE VLEESCHOUWER F., VANNESTE H., BERTRAND S., CORONATO A., GAIERO D., LE ROUX G., AND THE PARAD TEAM (2013). Peat bog Records of Atmospheric Dust fluxes – Holocene palaeoenvironmental and palaeoclimatic implications for South America. EGU General Assembly, April 2013. Abstract + Talk.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.**(2013). Mid and late Holocene dust deposition in eastern Canada - a preliminary multi-proxy record from the Baie bog (St. Lawrence Estuary, Quebec). EGU General Assembly, April 2013. Abstract + Talk.

PRATTE S., GARNEAU M. AND **DE VLEESCHOUWER F.** (2013). Peat bog archives of dust deposition for the mid to late Holocene in Boreal Quebec: palaeoclimatic and palaeoenvironmental implications. GEOTOP Student Congress, Wentworth-nord, Québec, 1st – 3rd february 2013. Abstract + Poster.

TUDYKA K., PAZDUR A., **DE VLEESCHOUWER F.**, FAGEL N., CHROST L., MATTIELLI N. (2013). Radiocarbon time scale for elemental, lead isotopic and charcoal record in a peat core in the southern Poland. Methods of Absolute Chronology Conference, Podlesice, Poland, 15th – 18th May 2013. Abstract + Poster.

VANNESTE H., **DE VLEESCHOUWER F.**, VANDERSTRAETEN A., MATTIELLI N., TRIQUET D., PIOTROSWKA N. AND LE ROUX G. (2013). Holocene Dust Deposition in Tierra del Fuego (Chile): a REE and Nd Isotopic Recordfrom a Pristine Peat Bog, Karukinka (69.6°S). EGU General Assembly, April 2013. Abstract + Talk.

LE ROUX G., PINELLI E., HEDDE M., GUIRESSE M., **DE VLEESCHOUWER F.**, SILVESTRE F., ENRICO M., GANDOIS L., MONNA F., GERS C. AND PROBST A. (2013). New insights on antimony biogeochemistry based on environmental archives, soil studies and toxicity assessments. 29th SEGH Conference, Toulouse, July 8th – 12th. Abstract + poster

KUTTNER A., MAUQUOY D., **DE VLEESCHOUWER F.**, MIGHALL T. AND KRUPP E. (2013). The Emperors mercurial elements – heavy metal pollution in a bog near Hadrian's Wall. 29th SEGH Conference, Toulouse, July 8th – 12th. Abstract + poster

CLAUSTRES A., PROBST A., **DE VLEESCHOUWER F.**, SONKE J., MAZIER F., GALOP D., BARON S., RIUS D., ENRICO M., HEIMBURGER L. AND LE ROUX G. (2013). Improvement in the understanding of mining legacy in the Pyrenees mountains using environmental archives. 29th SEGH Conference, Toulouse, July 8th – 12th. Abstract + poster

KUTTNER A., **DE VLEESCHOUWER F.**, MAUQUOY D., MIGHALL T. AND KRUPP E. (2012). A lead record from a raised bog north of Hadrians Wall. International Symposium on environmental geochemistry, Aveiro, Portugal, July 15th – 22nd, 2012.

DE VLEESCHOUWER F., VANNESTE H., BERTRAND S., CORONATO A., GAIERO D., LE ROUX G., AND THE PARAD TEAM (2012). Peat bog Records of Atmospheric Dust fluxes – Holocene palaeoenvironmental and palaeoclimatic implications for South America. Goldschmidt Conference, Montréal, Canada, 24th – 29th June 2012. Abstract + Poster.

LE ROUX G., FAGEL N., **DE VLEESCHOUWER F.**, MATTIELLI N. AND SHOTYK W. (2012). Holocene deposition of atmospheric REE in Europe. Goldschmidt Conference, Montréal, 24th – 29th June 2012. Abstract + Poster.

ALLAN M., LE ROUX G., **DE VLEESCHOUWER F.**, MATTIELLI N. AND FAGEL N. (2012). Atmospheric deposition of Pb, Cu, Ni, As, sb, V, Cr, Co, Cd and Zn recorded in the Misten peat bog (Hautes-Fagnes, Belgium) during the Industrial Revolution. EGU General assembly, April 2012, Vienna. Abstract + Poster.

DE VLEESCHOUWER F., DE JONG R. AND HUGHES P. (2011). Windiness and Wetness: heterogeneous 1.5ky stormy weather over Europe? INQUA Congress, Bern, July 21st - 27th, Abstract + Poster.

DE VLEESCHOUWER F., DE JONG R., LE ROUX G. AND HUGHES P. (2011). Is there anything other than human-induced dust in the last millennium air? INQUA Congress, Bern, July 21st - 27th, Abstract + Poster.

LE ROUX G., FAGEL N., KRACHLER M., DEBAILLE V., STILLE P., **DE VLEESCHOUWER F.**, MATTIELLI N., VAN DER KNAAP P., VAN LEEUWEN J. AND SHOTYK W. (2011). Dust record over Central Europe and the Holocene history of Sahara. INQUA Congress, Bern, July 21st - 27th, Abstract + Poster.

ALLAN M., LE ROUX G., SONKE J.E., **DE VLEESCHOUWER F.**, PIOTROWSKA N., SIKORSKI J. AND FAGEL N. (2011). Atmospheric mercury deposition during the last 1500 years in Western Europe: The Misten peat bog record (Hautes Fagnes - Belgium). EGU General assembly, April 2011, Vienna. Abstract + Poster.

ALLAN M., LE ROUX G., **DE VLEESCHOUWER F.** MATTIELLI N., PIOTROWSKA N., SIKORSKI J. AND FAGEL N. (2011). 2500 years record of trace element metal in the Misten peat bog (Hautes Fagnes), Belgium. SEGH Symposium, 10th – 15th April 2011, Edge Hill, UK. Abstract + Poster.

FIAŁKIEWICZ-KOZIEŁB., **DE VLEESCHOUWER F.**, SMIEJA-KRÓL B., PIOTROWSKA N., KOŁACZEK P., MATTIELLI N. AND FAGEL N. (2011). Atmospheric lead deposition in the ombrotrophic peat bogs of Southern Poland. Goldschmidt Conference, Prague, August 2011. Abstract + Poster.

HEIMBURGER L.-E., ENRICO M., **DE VLEESCHOUWER F.**, SONKE JEROEN E. AND LE ROUX G. (2011). Evolution of atmospheric mercury deposition and emission sources recorded in an ombrotrophic peat bog in the French Pyrenees over the past 10.000 years. The 10th International Conference on Mercury as a Global Pollutant (ICMGP). Halifax, Canada, July 24th -29th. Abstract + Poster.

DE VLEESCHOUWER F., FAGEL N., PIOTROWSKA N. SIKORSKI J., CHEBURKIN A., LAMENTOVICZ M., PAZDUR A., MATTIELLI N., RENSON V., FIAŁKIEWICZ-KOZIEŁB., MAUQUOY D. AND LE ROUX G. (2010). Multiproxy investigation of climatic changes and human activities in a Baltic bog (N. Poland) during the last millennium. Réunion des sciences de la Terre 2010, Octobre 25th – 29th, 2010. Abstract + Poster.

DE VLEESCHOUWER F., MATTIELLI N., RENSON V., LE ROUX G. AND FAGEL N. (2010). A paleorecord of atmospheric lead deposition in France. New data from « La Godivelle » peat bog (Puy de Dôme). SEGH Symposium, July 2010, Galway. Abstract + Poster.

DE VLEESCHOUWER F., FAGEL N., GERRIENNE P., JAVAUX E., STREEL M., LUTHERS C., DAMBLON F., COURT-PICON M., LE ROUX G., MAUQUOY D., PIOTROWSKA N., SIKORSKI J., ALLAN M., MATTIELLI N., BRACK J., WASTIAUX C., HINDRYCKS M.-N. AND LECLERCQ L. (2010). Spatio-temporal natural and anthropogenic environmental variability during the last 1500yrs in an ombrotrophic bog (East Belgium). EGU general assembly, May 2010, Vienna. Abstract + Poster.

DE VLEESCHOUWER F., FAGEL N., PIOTROWSKA N., SIKORSKI J., PAWLITA J., CHEBURKIN A., LAMENTOWICZ M., PAZDUR A., MATTIELLI N., RENSON V., FIAŁKIEWICZ-KOZIEL B., MAUQUOY D. AND LE ROUX G. (2010). Multiproxy investigation of climatic changes and human activities in a Baltic bog (N. Poland) during the last millennium. EGU general assembly, May 2010, Vienna. Abstract + Poster.

LE ROUX G., **DE VLEESCHOUWER F.** AND PROBST A. (2010). Spatial and temporal variability of atmospheric deposition of antimony at different scales. Réunion des sciences de la Terre 2010, Octobre 25th – 29th, 2010.

LE ROUX G., FAGEL N., KRACHLER M., DEBAILLE V., STILLE P., **DE VLEESCHOUWER F.**, MATTIELLI N., VAN DER KNAAP P., VAN LEEUWEN J. AND SHOTYK W. (2010). Dust input – climate interactions through the Holocene in Central Europe. Réunion des sciences de la Terre 2010, Octobre 25th – 29th, 2010.

COURT-PICON M., STREEL M., LUTHERS C., **DE VLEESCHOUWER F.**, MAUQUOY D., FAGEL N., GERRIENNE P., JAVAUX E., DAMBLON F., LE ROUX G., PIOTROWSKA N., SIKORSKI J., ALLAN M., MATTIELLI N., BRACK J., WASTIAUW C., HINDRYCKS M.-N. AND LECLERCQ L. (2010). Climatic and anthropogenic palaeoenvironmental changes over the last 1500 years in Hautes-Fagnes (East Belgium): the high-resolution multiproxy record of the Misten peat bog. 8th EPPC Budapest, July 6th 10th. Abstract + Poster.

FIAŁKIEWICZ-KOZIEL B., **DE VLEESCHOUWER F.**, SMIEJA-KRÓL B., PIOTROWSKA N., PALOWSKI B., KOŁACZEK P., FAGEL N. AND MATTIELLI N. (2010). Atmospheric lead deposition in an ombrotrophic peat bog of Southern Poland. SEGH Symposium, July 2010, Galway. Abstract + Poster.

TUDYKA K., **DE VLEESCHOUWER F.**, PAZDUR A., CHÖST L. AND FAGEL N. (2010). A 14,000yr elemental and lead isotopic record in a peat core in the South of Poland – Preliminary results and interpretations. SEGH Symposium, July 2010, Galway. Abstract + Poster.

ALLAN M., FAGEL N., **DE VLEESCHOUWER F.**, MATTIELLI N., SIKORSKI J., SONKE J. AND LE ROUX G. (2010). Traces metal inputs in the Misten bog (East Belgium). Level of contamination and spatial variability. EGU general assembly, May 2010, Vienna. Abstract + Poster.

PIOTROWSKA N., **DE VLEESCHOUWER F.**, SIKORSKI J., FIAŁKIEWICZ-KOZIEL B., SENSUŁA B. AND PALOWSKI B. (2010). Age models for peat deposits on the basis of coupled ²¹⁰Pb and ¹⁴C data. EGU general assembly, May 2010, Vienna. Abstract + Poster.

PIOTROWSKA N., **DE VLEESCHOUWER F.**, SIKORSKI J., FIAŁKIEWICZ-KOZIEL B. AND SENSUŁA B. (2010). Age models of peat deposits on the basis of coupled ²¹⁰Pb and ¹⁴C data. 10th Conference on absolute Chronology. 22-25April, Gadam Center, Gliwice, Poland. Abstract + poster.

POREBA G., **DE VLEESCHOUWER F.** AND SIKORSKI J. (2010). Tracking Chernobyl fallout in Eastern Belgium based on the peat record. 10th Conference on absolute Chronology. 22-25April, Gadam Center, Gliwice, Poland. Abstract + poster.

AVSAR U., HUBERT-FERRARI A., FAGEL N., DE BATIST M., SCHMIDT S., PIOTROWSKA N. AND **DE VLEESCHOUWER F.** (2010). Sedimentological fingerprints of paleoseismic activity from lake sediments: a case study from the North Anatolian fault (NAF), Turkey. Geological

Society of America Conference, Ankara, Turkey, October 4th – 8th, 2010. Abstract + Poster.

DE VLEESCHOUWER F., LUTHERSC., COURT-PICON M., MAUQUOY D., WASTIAUX C., LE ROUX G., PAWLITA J., PAZDUR A., SIKORSKI J. AND PIOTROWSKA N. (2009). Multiproxy study in the Misten bog (East Belgium) during the last millenium. Palaeoclimatic vs. anthropogenic signals. 11th International Paleolimnology Symposium, Mexico, June 2009. Abstract + poster.

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E. Book chapters and guest editorials

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F. Miscellaneous

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