

CURRICULUM VITAE – François De Vleeschouwer

DE VLEESCHOUWER Francois, age 39

Actual position:

Chargé de Recherche - Centre National de Recherche Scientifique, Instituto Franco-Argentino para el Estudio del Clima y sus Impactos (Adjunct Director)

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PhD in 2007 (University of Liège, Belgium) : “Heavy metal records in peat. Archives of natural vs. anthropogenic influences”. PhD advisor : Dr. N. Fagel

MSc in 2003 (University of Liège, Belgium) - "Geological interpretation of major and trace elements in peat bogs – Examples from Chile." - Advisor : Dr. N. Fagel



Professional experience:

- **2015:** Habilitation à Diriger les Recherches (HDR), Institut National Polytechnique Toulouse.
- **2013:** Chairman of the 29th International Conference of the Society for Environmental Geochemistry and Health. Toulouse, July 8th – 12th. 160 attendees, 35 countries.
- **2010** CNRS – Chargé de recherche - EcoLab, Toulouse, France: Dust in peat records
- **2010:** Post-doc: EMG, University of Umeå, Sweden. Early diagenesis in lake sediments and peat
- **2008-2009:** Marie Curie Post Doc. Polytechnical University of Gliwice. Isotope chronologies in peat
- **2011-2015:** ANR young researcher Laureate.
- **Reviewer (10/yr) for:** Archéosciences; Environmental Geochemistry and Health; 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.

Main research interests:

Tracing environmental changes using elemental and isotopic geochemistry in continental archives (bogs).

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

Understand the dispersion and impact of mining activities over time.

Five Selected Publications (Total Nr: 52, H-Index: 19, I-index 29)

Full list available at: <http://scholar.google.fr/citations?user=m6QqvT4AAAAJ&hl=fr>

Gallego-Sala et al. (2018). Latitudinal limits to the predicted increase of the peatland carbon sink with warming. *Nature climate Change*. <https://www.nature.com/articles/s41558-018-0271-1>

Li C., Le Roux G., Sonke J., van Beek P., Souhaut M., Van der Putten N., and **De Vleeschouwer F.** (2017). Recent 210Pb, 137Cs and 241Am accumulation in an ombrotrophic peatland from Amsterdam Island (Southern Indian Ocean). *Journal of Environmental Radioactivity* **175**: 164-169.

Vanneste H., **De Vleeschouwer F.**, Martinez-Cortizas A., von Scheffer C., Piotrowska N., Coronato A. and Le Roux G. (2015). Late-glacial elevated dust deposition linked to westerly wind shifts in southern South America. *Nature Scientific Reports*, 5, Article number: 11670, doi:10.1038/srep11670

De Vleeschouwer F., Vanneste H., Mauquoy D., Piotrowska N., Torrejon F., Roland T., Stein A. and Le Roux G. (2014). Emissions from pre-Hispanic metallurgy in the South American atmosphere. *PLoS ONE* **9(10)**: e111315. doi:10.1371/journal.pone.0111315. Am²⁴⁵

De Vleeschouwer F., Ferrat M., McGowan H., Vanneste H. and Weiss D. (2014). Extracting paleodust information from peat geochemistry. *PAGES Magazine* **22 (2)**: 88-89.

De Vleeschouwer F., Luthers C., Mauquoy D., Wastiaux C., Le Roux G., Moschen R., Pawlyta J., Pazdur A., Sikorski J. and Piotrowska N. (2012). Multiproxy paleoenvironmental study in the Misten bog (East Belgium) during the last millenium. *Quaternary International* **268**, 44-57.

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. (2012). Volcano- and climate-driven changes in atmospheric dust sources and fluxes since the Late Glacial in Central Europe. *Geology* **40**, 335-338.