

PERSONAL INFORMATION

Family name, First name: Cornu Sophie

Researcher unique identifier(s) (such as ORCID, Research ID, etc. ...): orcid.org/0000-0002-2433-5898

Date of birth: 3rd of June 1969

Nationality: French

2 children

EDUCATION

- 2005 Habilitation to supervise research (HDR) from the University of Orléans (France)
Thesis: Past and recent pedogenesis (original in French)
- 1993-1995 PhD in Geochemistry and Soil Science at the University of Aix-Marseille III (France)
Thesis: The Biogeochemical cycle of Si, Fe and Al in the Amazon forest
- 1991-1992 Master in Geosciences of the Environment at the University of Aix-Marseille III (France)
Thesis: Paleotemperature of the last interglacial period based on $\delta^{18}\text{O}$ of *Strombus Bubonius* from the Western Mediterranean Sea.
- 1989-1992 Degree of "Ingénieur" in Agronomy, Ecole Nationale Supérieure d'Agronomie de Rennes, (ENSAR, France). *Major in Soil Sciences*

CURRENT POSITION(S)

- Since 2011 Senior research scientist ("Directeur de recherche") – CEREGE-AMU, CNRS, IRD, Col. De France, INRA (France)
Project: Impact of human activities on pedogenesis

PREVIOUS POSITIONS

- Since 2008 Researcher at Unité de Géochimie des sols et des eaux (GSE), which merged with CEREGE, Aix-en-Provence (France), in 2015
Project: "Impact of human activities on pedogenesis"
- 2007-2008 Visiting scientist at the Department of Earth Science at the University of Queensland, Brisbane (Australia)
Project : Dating soil processes
- 1999-2008 Researcher at Unité de Recherche en Science du Sol (URSol), Orléans (France)
Projects: Spatial distribution and mobility of trace element in non-polluted soils" and "Impact of human activities on pedogenesis"
- Since 1999 Tenured researcher at "Institut National de la Recherche Agronomique" (INRA)
- 1997-1998 Post-doc fellow at the BRGM (France) on chemical and physical characterisation of trace elements in polluted soils
- 1996 Post-doc fellow at Reading University, Department of Geography (UK)
Project: "The environmental impact of heavy metal from sewage sludge in ferralsols: A column experiment"

MAIN COORDINATIONS OF PROJECTS

- 2017-2019 Co-project leader: "ASSES: impActs and feedbackS between climate and Soil affected by EroSion: cost in terms of carbon Storage in Mediterranean regions". Funded by ERANetMed (298198€) – Labex OTMed (86705€)
- 2010-2014 Project leader: "AGRIPED: Characterisation, quantification and modelling of the impact of land use on one of the major pedological processes: lessivage". Funded by ANR Blanc (600000€) - 30 researchers from 5 departments. 4 PhDs (with complementary funding, 13 WoS indexed papers).
- 2009 Creation of a laboratory for soil preparation. INRA funding for medium-scale equipment.
- 2006-2007 Project leader: "the use of REE as tracers of pedogenetic processes". Funded by INRA (30000€)
- 2003-2005 Team leader for INRA in the project METALOE and METASPACE on trace element background in soils in collaboration with the Universities of Tours and Orléans and funded by the Région Centre, France.
- 2003-2004 Coordination of a project on the impact of drainage on pedogenesis funded by the Région Centre, France.
- 2002-2003 Project leader: "The influence of the soil structure on the spatial distribution of trace elements and microorganisms in soils. Environmental consequences". Funded by the French National Research Program PNSE-ACI "Quantitative Ecology".

2000-2006 Creation of a laboratory for soil chemistry and complete renovation of a mineralogy laboratory. Four INRA funding for medium and one for large equipment

INSTITUTIONAL RESPONSIBILITIES

Since 2017 Member of the leading group of the INRA Soil Network (France)
Since 2016 INRA representative in the CEREGE administrative council, Aix-en-Provence, France
Since 2009 Member of several recruitment panels for junior and senior scientists for INRA research organization (France), Toulouse University (France), Gembloux University (Belgium)
2010 – 2014 Co-director of the GSE laboratory, Aix-en-Provence (France)
2007 – 2015 Member of the national committee of experts for the evaluation of INRA researchers working on Earth, Water and Atmosphere Sciences (Paris, France)
2005 – 2007 Member of the scientific committee of the Orléans INRA Center (France)
2003 – 2007 Group leader of a team of the Orléans INRA Center (France)

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Since 1999 main supervisor at URSoI, GSE and CEREGE of 8 PhDs, 2 post-doctorates, 2 INRA young researchers, 10 Masters and 10 other internships. Each PhD student published up to 6 articles with a minimum of 2 (see details in the "publication" section). Two of the PhD students received awards from the French Academy of Agriculture and are now lecturers in Soil Science in the French academic system.

FELLOWSHIPS AND AWARDS

2007/2008 Mobility grant from INRA, France (one-year mobility at the University of Queensland)
1996 Lavoisier Fellowship from the French Foreign Affairs Ministry (postdoc at Reading University)
1993 – 1995 Scholarship of the French Education Ministry, Laboratory of Geosciences of the Environment, University of Aix-Marseille III, France

ORGANISATION OF SCIENTIFIC MEETINGS

2017 Member of the scientific committee of the annual conference of the French Association of Clay Minerals (GFA) / 80 participants / Marseille, France
2014 Organizer of a session at the French National Conference on Soil (JES), Chambéry, France
2013 Co-organizer of a symposium at the Goldschmidt conference/ Florence, Italy
2012 Organizer of a symposium at the French National Conference on Soil (JES), Versailles, France
2010 Organizer of a Symposium at the World Soil Science Conference / Brisbane, Australia
2006 Organizer of an International Workshop on Modelling pedogenesis / 50 participants / Orléans, France
2003 Organizer of a special symposium at the ICOBTE conference/ Uppsala Sweden

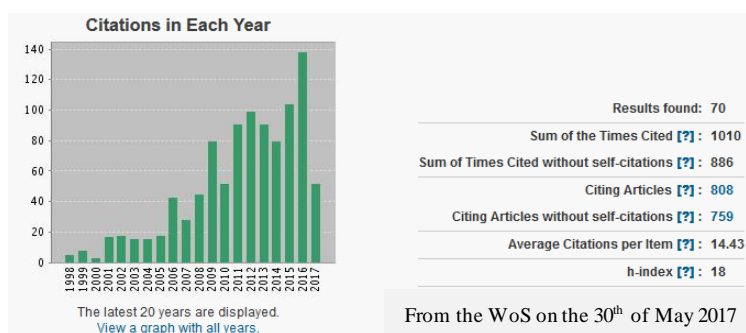
PUBLICATIONS

77 papers in peer-reviewed journals with IF mostly in the first quartile (excellent) of the corresponding JRC discipline.

4 book chapters.

60 presentations in International conferences

h-index of 20 according to the WoS and of 22 according to Scopus



MAJOR COLLABORATIONS

Department of Geology and Soil Science
University of Gent, Belgium
LSCE, CEA-CNRS-UVSQ, Gif-sur-Yvette, France
URSOLS, INRA Orléans, France
LISAH, INRA-Supagro, Montpellier, France
EMMAH, University-INRA Avignon, France
EGC, AgroParisTech-INRA Grignon, France

IMBE, Aix-Marseille University, France
Earth and Life Institute, UCL, Louvain-la-Neuve, Belgium
National Institute of Geophysics, Geodesy and Geography – Bulgarian Academy of Sciences, Sofia, Bulgaria

