

# CURRICULUM VITAE

## Benjamin Brigaud

born January 02, 1983 in Semur-en-Auxois (France, 21), French nationality, married  
NUMEN : 25S1000817FVM, Section n°36 of the National Council of Universities

### Professor, normal grade

Université Paris-Saclay, Faculté des Sciences d'Orsay, Géosciences Paris-Saclay (GEOPS, UMR 8148 CNRS/Université Paris-Saclay), Bât. 504, Rue du Belvédère, 91 405 Orsay

Orcid <http://orcid.org/0000-0001-6961-2177>

Recipient of the 2015-2019 and 2019-2023 Doctoral and Research Supervision Bonus

## CAREER COURSE

**Since 09-2022** **Professor** at University Paris-Saclay

**09-2010-2022** **Assistant Professor** at University Paris-Saclay

**2010** **Temporary Assistant Professor** at the University of Franche-Comté, Besançon, France

**2006-2009** **PhD student** in Earth Sciences, University of Burgundy, Dijon, thesis prepared at the *Laboratoire Biogéosciences* (UMR 5561 CNRS/UB), employed by Andra (French Agency of Radioactive waste management)

## EDUCATION & DEGREES

**2018** **Habilitation to supervise research obtained at the** University Paris-Saclay (Orsay) in 2018. Title of the Habilitation: Marine and coastal platform sediments: from deposition environments to reservoirs and deposits. Processes, properties and perspectives

**2009** **Doctor** in Earth Sciences. PhD Thesis obtained at the University of Burgundy (Dijon) in 2009. Thesis title: Influence of the sedimentary context and diagenesis on the petrophysical properties of the Eastern Paris Basin Limestones (Middle Jurassic), under the supervision of Jean-François Deconinck and the co-supervision of Christophe Durlot

**2006** **Master's Degree** in Earth-Environment, specializing in Climatology, Environment, Paleontology, Sedimentology and Basins, with honors, obtained at the University of Burgundy in 2006

## ADMINISTRATIVE INVOLVEMENTS

**Since 2022** **Team leader** of the research Team Relief, Basin and Resources, Geosciences Paris-Saclay Lab, 10 researchers, 5 engineers, 10 PhD candidates

**Since 2022** **Director** of the 2<sup>nd</sup> Year of Master Degree **Sedimentary Basins for sustainable energy**

**Since 2020** **Director "teaching Programs"** of the Graduate School Geosciences, Climate, Environment and Planetary Sciences of the University Paris-Saclay

**Since 2020** Member of the **Teaching and Student life Commission** (CFVU), member of **College Master** of the University Paris-Saclay

**2018-2021** **Director "teaching Programs"** of the Earth Sciences Department

**2015-2019** **Nominated member** of the National Council of Universities section 36

**2017-2021** **Elected Member** of the Executive Committee (Assessor College B) of the Consultative Commission of Specialists of the University of Paris-Saclay (CCSU), section CNU 35-36, Member of this Commission 2013-2021

**2015-2019** **Elected Member** of the GEOPS Laboratory Council - UMR8148

**2014-2022** **Elected member** of the Council of the Department of Earth Sciences

## NATIONAL SCIENTIFIC AND ASSOCIATIVE RESPONSIBILITIES

**2015-2021** **Member** of the CESSUR Thematic Committee 5, TelluS, CNRS program, review of 6-7 national research projects of CNRS

**2012-2022** **Secretary** and **webmaster** of the French Jurassic working Group (GFEJ)

## RESPONSIBILITIES OF RESEARCH PROJECTS & GRANTS

### Principal Investigator of 23 scientific programs (total funds : 1.9 M€ excluding taxes)

*Selective call for national or regional projects (11 funded projects, 999k€)*

- 2020-2024** **Principal Investigator** of the **ANR UPGeo** *UPscaling and heat simulations for improving the efficiency of deep GEothermal energy* [ANR-19-CE05-0032-01](#)
- 2021-2024** **Principal Investigator** of the research project *Characterization of reservoir heterogeneities and numerical hydrodynamic simulation in geothermal systems*. “**Association Nationale de Recherche Technologique (ANRT)**”, thesis "Convention industrielle de formation par la recherche" Cifre n° 2021/0773, collaboration contract
- 2019-2022** **Principal Investigator** of project “**Region Ile-de-France**” *GÉOMOD Characterization of geothermal reservoir heterogeneities around Paris through the development of a hydro-dynamic numerical modeling* - [Paris Region PhD 2019](#) in collaboration with the company GEOFLUID
- 2019-2022** **Principal Investigator** of project “**BRGM Référentiel Géologique de la France**” n°[2019-0157](#) *Characterization of reservoir heterogeneities in continental carbonates - Links between sedimentary facies, microstructural property, diagenesis and petrophysical response*
- 2018-2019** **Principal Investigator** of project **IDEX Paris Saclay** ([ANR-11-IDEX-0003](#)) *Geothermal water circulation in heterogeneous aquifers*
- 2012-2019** **Principal Investigator** of 4 research projects, including 3 **TelluS INSU-CNRS, SYSTER (2019)**, Action MARGES (2017), CESSUR (2012) and 1 interdisciplinary **CNRS program PACEN** (2012)
- 2012** **Principal Investigator** of the « Attractivité 2012 » research project of the **Université Paris-Sud**

*Contracts of collaboration by mutual agreement with company (11 contracts, 903.38k€)*

- 2021-2023** **Principal Investigator** of 1 collaboration agreement with **GEOFLUID**
- 2011-2021** **Principal Investigator** of 3 collaboration agreements with **BRGM**
- 2013-2020** **Principal Investigator** of 2 collaboration agreements with **GDF-Suez and ENGIE** program [CLAYCOAT](#) in 2013 and 2015-2020
- 2012-2015** **Principal Investigator** of 4 contracts **Vermilion Energy** (2015), **Lundin** (2014), **ROCAMAT (2013)**, **Cambridge Carbonates Ltd** (2012)
- 2011-2012** **Principal Investigator** of 2 collaboration agreements with **Andra**

## PEER REVIEWED PUBLICATIONS AND SCIENTIFIC PRODUCTIONS

- 47** publications in international peer-reviewed journals including **26** as 1<sup>st</sup> or 2<sup>nd</sup> author  
Co-author of the book « *Péetrographie et Environnements sédimentaires* », éditions Dunod
- 2** book chapters, **2** geological field trip books, **5** technical reports
- 50** presentation on international conferences including **5** peer-reviewed proceedings referenced in Web of Science and/or Scopus, **96** presentations on national conferences

## STUDENT & RESEARCH SUPERVISION

- 7** directions or co-supervisions of defended thesis (completed)
- 3** thesis directions in progress
- 17** participation of thesis defenses, including 6 as reviewer, 4 as examiner and 7 as director
- 23** supervisions of 2<sup>nd</sup> year Master's research internships

## WORK DISSEMINATION (OUTREACH AND POPULARIZATION)

- 12** invited lectures, Organizer of geological excursions (2 days / year)
- 1** invitation to foreign university, at the University of Geneva (2018)
- 1 to 2** conferences for the general public per year (high schools, associations)
- Organizer of the ASF "Diagenesis" day in 2014 at Orsay - about 110 participants
- Regular chairmen at the International IAS (**2**), or national ASF (**5**) or RST (**2**) congresses
- Expertise of articles (**14**) in Marine and Petroleum Geology, Sedimentology, Journal of Sedimentary Research, International Journal of Earth Sciences, ..., Expertise of thesis awards (**4**), projects of Region calls (**2**), member of **8** selection committees for Assistant Professor positions