

## Dr. Guilhem Amin Douillet

born 25.02.1985 ◇ French citizen / German resident  
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Theresienstr. 41 ◇ München, 80333 Germany

### EMPLOYMENT

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**Research associate** Since March 2015 (*Fixed-term until December 2017*)  
*Ludwig-Maximilians-Universität (LMU)* Munich, Germany  
-Including a contract pause from October 2015 to June 2016-

### EDUCATION

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**PhD student** March 2010 - February 2015  
*LMU Munich, Munich, Germany* Supervisor: D.B. Dingwell  
Thesis: Flow and sedimentation of dilute pyroclastic density currents: From large scale to boundary layer processes. *Summa cum laude (Best distinction)*  
Funding: Elitenetzwerk Bayern (Thesis) & Deutsche Forschungsgemeinschaft

**Engineering school in Geophysics** October 2006 - February 2010  
*École et Observatoire des Sciences de la Terre (EOST), Strasbourg, France* Supervisor: M. C. Ruiz  
Thesis: Seismic anisotropy below Cotopaxi Volcano (Ecuador). *With honors*  
Funding: Boussole

**Master in Geology** September 2007 - June 2009  
*Université de Strasbourg, Strasbourg, France* Supervisor: J.F. Ghienne  
Thesis: Late Ordovician tunnel valleys in Southern Jordan. *With honors*  
Funding: Total (to J.F. Ghienne)

**Bachelor of Geosciences** September 2004 - June 2007  
*Université Louis Pasteur, Strasbourg, France. With honors* Supervisor: A. Cochard

### AWARDS

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**Early Career Scientist Travel Award.** *EGU conference 2016, Vienna, Austria.* (Abstract: “Truncation planes from a dilute pyroclastic density current, field data and analogue experiments”)

**First Price Student Poster Award.** *Fragile Earth GSA-GV-DGG conference 2011, Munich, Germany.* (Abstract: “Cross stratifications in deposits of explosive volcanic eruptions”)

### INVITED PRESENTATIONS

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- At *Instituto Geofísico (Quito, EC)*. Seminar, -in Spanish-. 25.02.2015  
Title: “Sedimentación y flujo de Corrientes de Densidad Piroclásticas diluidas desde procesos de gran escala hasta el nivel de límites de capas”
  - At *Université de Genève (Genève, CH)*. Seminar. 30.01.2015  
Title: “Deposits of dilute pyroclastic density currents”
  - At *American Geophysical Union, (San Francisco, CA, USA)*. Fall meeting 2014. 15.12.2014  
Title: “What can cross-bedding tell us?”
  - At *University of East Anglia (Norwich, UK)*. Seminar. 04.11.2014  
Title: “Deposits of dilute pyroclastic density currents. From large scale to boundary layer processes”

## FUNDING

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**Sediment lacquer peels from pyroclastic density currents (DO1953/1-1).**

*Deutsche Forschungsgemeinschaft.* (Main-PI. 155'000 Eur, 2016-2018)

**LMU-Excellent Travel grant (IAVCEI2017 Conference, Portland, Oregon).**

*LMU internal funding program for post-docs.* (Main-PI. 2'700 Eur, 2017)

**Studi.forscht@GEO: 5 Student assistants for wind tunnel experiments and field work.**

*LMU internal funding program for student research projects.* (Main-PI. 3'460 Eur, 2016)

**LMU-Excellent Travel grant (CoV9 Conference, Puerto Varas, Chile).**

*LMU internal funding program for post-docs.* (Main-PI. 3'050 Eur, 2016)

**Collaboration on COtopaxi Eruption: CoCotE.**

*BayLat Anschubsfinanzierung.* (Main-PI. 3'500 Eur, 2016)

## COLLECTIVE INVOLVEMENT

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**Science Officer**

since 2013

*Sedimentology group - European Geoscience Union (EGU)*

**Member of Jean Baptiste Lamarck Medal Committee**

since 2017

*Stratigraphy, Sedimentology, Palaeontology (SSP) Division - European Geoscience Union (EGU)*

**Early Career Representative**

2014-2017

*Stratigraphy, Sedimentology, Palaeontology (SSP) Division - European Geoscience Union (EGU)*

**Session convener:**

17 sessions since 2012

- At International Association of Sedimentology (2016-2017) *(2 session)*
- At European Geoscience Union General Assembly (2012 - 2017) *(14 sessions)*
- At American Geophysical Union (2012) *(1 session)*

**Reviewer in international journals:**

5 articles since 2014

- *Sedimentary Geology*
- *Geosphere*
- *J. Volcanol. Geotherm. Res.*
- *Chemical Geology*
- *Bull. Volcanol.*

**Judge for Early Career Researcher awards during conferences:**

since 2016

- *EGU2016*
- *EGU2017*
- *IAVCEI2017*

## PUBLIC OUTREACH

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**G'Schichten von Tungurahua (exhibition)**

June-September 2016

The story of the deposits of the 2006 eruption of Tungurahua (Ecuador) - exhibition of lacquer peels.  
Special exhibition at the Museum "Reich der Kristalle" (Kingdom of crystals), in Munich (Germany)

## TEACHING

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**Field Geology**

2015-2017

*4th Semester Geoscience Bachelor (equivalent 2 hours/week)*

*17 students from LMU*

Field excursion in Digne-les-bains (Southern French Alps) -in German-

**Volcanology**

2016-2017

*5th Semester Geoscience Bachelor (12 days)*

*28 students from LMU*

Field excursion in the Canaries Islands (Spain) -in German-

## SUPERVISION

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<b>Renate Reschetizka</b> (BSc. research project) <i>Plastic as a sediment: flume experiments</i>	Since September 2016 from LMU
<b>Richard Hieber and Daniel Weller</b> (BSc. research project) <i>Wind tunnel experiments on saturated transport</i>	Since September 2016 from LMU
<b>Mélanie Bouysson</b> (BSc. summer internship) <i>Truncations by jet flows</i>	June to August 2016 from EOST
<b>Vanille Ritz</b> (Engineer student) <i>Seismic anisotropy below Cotopaxi Volcano (Ecuador)</i>	June to September 2015 & summer 2016 from EOST
<b>Lukas Gegg</b> (Master Project) <i>Soft-sediment-deformation by shock-waves: analogue experiments</i>	March to August 2015 from LMU
<b>C. Mato, M. Schmidt, A. Teichman, L. Seybold</b> (scientific assistants -HiWi-) <i>Various lab measurements and field assistance (characterisation of pyroclasts)</i>	2011 to 2015

## WORK EXPERIENCE

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- **Field sedimentology on pyroclastic deposits:** *A naturalist approach on more than 15 volcanoes.*
- **Experimental work:** *Understand sedimentation through wind tunnel, flumes, and jet experiments.*
- **Surface and near-surface geophysical field surveys:** *Terrestrial Laser Scanner (TLS), Ground Penetrating Radar (GPR), GPS, Electrical Resistivity Tomography (ERT), thermal mapping.*
- **Seismology:** *Shear wave splitting for anisotropy below Cotopaxi volcano (Ecuador).*
- **Sequence Stratigraphy:** *The Cambro-Ordovician deposits of Southern Jordan incised by glacial tunnel valleys.*

## LANGUAGES

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<b>French</b>	Mother tongue	<b>German</b>	Fluent with accent
<b>English</b>	Fluent with accent	<b>Spanish</b>	Fluent with accent

## COMPUTER SKILLS

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- **Languages:** *C, TeX*
- **Softwares:** *MatLab, Illustrator, Avizo (Computer Tomography), OpendTect (Seismic and GPR), Radlab (GPR), Scanmaster (Laser Scanner), Topcon Tools (GPS), Pointtools (GPS)*

## PUBLICATIONS

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|----------------------------------------------------|-------------------------|-----------------------|
| • <b>11 articles published (5 as first-author)</b> | • <b>Statistics:</b>    | <b>Citations:</b> 170 |
| • <b>34 abstracts in international conferences</b> | (from "Google-scholar") | <b>h-index:</b> 8     |
| • <b>Complete list:</b>                            |                         | <b>i10-index:</b> 8   |
- <http://www.mineralogie.geowissenschaften.uni-muenchen.de/personen/postdocs/doulliet/index.html>

## ACTIVITIES AND INTERESTS

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### Sport

- Kayak (since 1992; *Champion de France cadet* in 2001; 2nd at *Championat de France club* in 2006; currently in second division)
- Scuba diving (level PADI Rescue Diver) · Free diving (level AIDA2) · Swimming · Rock climbing
- Snowboard

**Various** · Classical guitar · Woodwork · Botanic (carnivorous plants) · Cake baking

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