

# Curriculum Vitae

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## Armelle Ballian

Geo- and Environmental Research  
Centre (GUZ)  
Eberhard Karls University Tübingen  
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Born on December, 18th 1995  
Citizenship: French



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## Education

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| since April 2021 | Senckenberg Biodiversität und Klima Forschungszentrum (BiK-F),<br>Frankfurt am Main (Germany)<br>Working group: Paleoclimate and Paleoenvironmental Dynamics<br>Head of group: Prof. Dr. Andreas Mulch<br><b>Ph.D.</b> |
| 2017 - 2020      | Albert-Ludwigs-Universität,<br>Institute of Earth and Environmental Sciences, Freiburg im Breisgau<br><b>Master of Science</b> , focus Geohazards  |
| 2016 - 2017      | Albert-Ludwigs-Universität,<br>Institute of Earth and Environmental Sciences, Freiburg im Breisgau<br><b>Bachelor of Science   ERASMUS</b>   |
| 2014 - 2016      | Université Jean Monnet, Saint-Étienne (France)<br><b>Bachelor of Science</b>   |

## Professional Experience

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| Since April 2025  | Eberhard Karls Universität Tübingen, Tübingen (Germany)<br>Working group: Climatology and the Biosphere<br>Head of group: Prof. Dr. Kira Rehfeld<br><b>Research Scientist</b>                           |
| 2020 - March 2021 | Université Jean-Monnet, Saint-Étienne (France)<br>Laboratoire de Géologie de Lyon (LGL)<br><b>Laboratory technician in hydrogeochemistry</b>  |
| 2018 - 2020       | Albert-Ludwigs-Universität, Freiburg im Breisgau (Germany)<br>Working group: Sedimentary Geology and Quaternary Research<br>Head of group: Prof. Dr. Frank Preusser<br><b>Research assistant (HiWi)</b> |

## Research Experience

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- August 2024 9th International Clumped Isotope Workshop | Stony Brook, USA
- April 2024 EGU24 | Vienna, Austria  
Abstract: <http://dx.doi.org/10.5194/egusphere-egu22-234>
- December 2023 AGU Fall Meeting 2023 | San Francisco, USA
- October 2023 7th Annual AlpArray & 4D-MB Scientific Meeting | Bad Hofg., Austria  
Abstracts: <http://dx.doi.org/10.17169/refubium-40986>  
<http://dx.doi.org/10.17169/refubium-40985>
- July 2023 DMG Data Science Short Course 2023 | Frankfurt, Germany
- July 2023 Urbino Summer School in Paleoclimatology | Urbino, Italy
- April 2023 EGU23 | Vienna, Austria  
Abstract: <http://dx.doi.org/10.5194/egusphere-egu22-2346>
- October 2022 6th Annual AlpArray & 4D-MB Scientific Meeting | Prague, Cz. Rep.
- August 2022 Climatic and Biotic Events of the Paleogene (CBEP) | Bremen, Germany
- May 2022 EGU22 | Vienna, Austria  
Abstract: <http://dx.doi.org/10.5194/egusphere-egu22-2346>
- October 2021 5th Annual AlpArray & 4D-MB Scientific Meeting | online
- June 2021 Summer School "*Principles, applications and new frontiers in isotope geochemistry (PAIG)*" | online

## Peer-review Publications

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Ballian, A., Meijers, M. J. M., Cojan, I., Huyghe, D., Bernecker, M., Methner, K., Tagliavento, M., Fiebig, J., and Mulch, A. (2025). Middle Miocene climate evolution in the Northern Mediterranean region (Digne-Valensole basin, SE France). *Climate of the Past*, 21, 841–856. <https://doi.org/10.5194/cp-21-841-2025>

Boateng, D., Mutz, S., Methner, K., Ballian, A., Meijers, M. J. M., Mulch, A., Ehlers, T. A. (2025). Refining paleoelevation estimates of the European Alps by simulating Middle Miocene climate and  $\delta^{18}\text{O}$  responses to diachronous surface uplift scenarios, *Gl. and Pl. Change*, 251, 104808, ISSN 0921-8181, <https://doi.org/10.1016/j.gloplacha.2025.104808>

Ballian, A., Chawchai, S., Miodic, J. M., Charoenchatree, W., Bissen, R., and Preusser, F. (2024). Late Holocene coastal dynamics south of the Chanthaburi estuary, eastern Gulf of Thailand. *Quaternary Research* 117, 19–29. <https://doi.org/10.1017/qua.2023.34>

Bernecker, M., Hofmann, S., Davies, A., Tagliavento, M., Meijer, N., Ballian, A., and Fiebig, J. (2023). A robust methodology for triple ( $\Delta 47, \Delta 48, \Delta 49$ ) clumped isotope analysis of carbonates. *Chemical Geology*, 642(July), 121803. <https://doi.org/10.1016/j.chemgeo.2023.121803>

Boateng, D., Mutz, S. G., Ballian, A., Meijers, M. J. M., Methner, K., Botsyun, S., Mulch, A., and Ehlers, T. A. (2023). The effects of diachronous surface uplift of the European Alps on regional climate and the oxygen isotopic composition of precipitation, *Earth Syst. Dynam.*, 14, 1183–1210. <https://doi.org/10.5194/esd-14-1183-2023>

# Awards

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May 2023	European Consortium for Ocean Research Drilling (ECORD) scholarship 2023 for attending the Urbino Summer School in Paleoclimate
April 2024	Outstanding Student Presentation Award (OSPA)   AGU23

# Miscellaneous

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Language	French ●●●●●	English ●●●●●	German ●●●●●
Informatics	Microsoft Office & Adobe Suite ●●●●●	Python, R ●●●○○	ArcGIS/QGIS, LATEX, Matlab ●●●●●
Hobbies	Cello, boxing, hiking, art museums, travels		
Volunteering	Coordinator of the Communication Working Group, Leibniz PhD Network		