

Member of the *Association of French-Speaking Palynologists (APLF)*

Member of the *French Association for the Quaternary Study (AFEQ)*

Data Steward of the *European Pollen Database*

Member of the *Neotoma Database*

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Born: March 13<sup>th</sup>, 1985 – Compiègne, France

Nationality: French

## Current position

- 2018 **Post-doc** Palynological and XRF analyses from Lake Mondsee, Austria (coord. J. N. Haas) – University of Innsbruck

## Areas of specialization

palynology, palaeo-environments, palaeo-ecology, ecology, botany, plant communities

## Education

- 2015 **Ph.D.** in Biology at the University of Innsbruck (Austria), grade *excellent*  
titled *10,000 years of climate and settlement dynamics in the Silvretta Massif between the Paznaun (Austria) and Lower Engadine (Switzerland) valleys*  
under the supervision of Jean Nicolas Haas  
defended on September 3<sup>th</sup>, 2015
- 2010 **Master** in Environmental Sciences at the University of Franche-Comté (France), *magna cum laude*  
titled *Pluie pollinique et microfossiles non polliniques : constitution d'un référentiel actuel pour la reconstitution des paysages sylvo-pastoraux du Haut-Doubs*  
under the supervision of Émilie Gauthier and François Gillet
- 2008 **Licence** in Biology-Ecology at the University of Franche-Comté (France)

## Awards

**Pro Montes Award** for research for the future of alpine cultural landscape from the Swiss Foundation for Alpine Studies

## Publications

### Publications in peer-reviewed journals

- Dietre, B., Walser, C., Kofler, W., Kothieringer, K., Hajdas, I., Lambers, K., Reitmaier, T. and Haas, J. N. (2017). Neolithic to Bronze Age (4850-3450 cal. BP) fire management of the Alpine Lower Engadine landscape (Switzerland) to establish pastures and cereal fields. *The Holocene* 27(2), pp. 181–196. 2017
- Guélat, M., Richard, H., Bichet, V., Dietre, B., Chiquet, P. and Falquet, C. (2016). La séquence tardiglaciaire et holocène de Dizy-En Delèze (Vaud). Nouvelles données sur l'histoire environnementale du Plateau suisse. *Bulletin de la Société Vaudoise des Sciences Naturelles* 95, pp. 63–98. 2016
- Cubizolle, H., Latour-Argant, C., Delachanal, S., Argant, J., Dendievel, A.-M., Dietre, B., Thebaud, G. and Galet, P. (2016). Développement de l'emprise agro-pastorale et changements hydro-pédologiques à l'Holocène récent : l'exemple de la vallée du ruisseau des barges dans le Massif Central oriental (France). *Quaternaire* 27(2), pp. 91–109. 2016
- Dendievel, A.-M., Cubizolle, H., Dietre, B., Gaertner, V., Gallice, F., Jouannic, G. and Haas, J. N. (2015). Changements environnementaux du Tardiglaciaire à l'Holocène Moyen dans le Velay Oriental : la séquence sédimentaire de la Narce du Béage en Ardèche (Massif Central, France). *Quaternaire* 26(4), pp. 263–275. 2015
- Kothieringer, K., Walser, C., Dietre, B., Reitmaier, T., Haas, J. N. and Lambers, K. (2015). High impact: early pastoralism and environment change during the Neolithic and Bronze Age in the Silvretta Alps (Switzerland/Austria) as evidenced by archaeological, palaeoecological and pedological proxies. *Zeitschrift für Geomorphologie* 59(Suppl. 2), pp. 177–198. DOI: [10.1127/zfg\\_suppl/2015/S-59210](https://doi.org/10.1127/zfg_suppl/2015/S-59210). 2015
- Krainer, K., Bressan, D., Dietre, B., Haas, J. N., Hajdas, I., Lang, K., Mair, V., Nickus, U., Reidl, D., Thies, H. and Tonidandel, D. (2015). A 10,300-year-old permafrost core from the active rock glacier Lazaun, southern Ötztal Alps (South Tyrol, northern Italy). *Quaternary Research* 83(2), pp. 324–335. DOI: [10.1016/j.yqres.2014.12.005](https://doi.org/10.1016/j.yqres.2014.12.005). 2015
- Dietre, B., Walser, C., Lambers, K., Reitmaier, T., Hajdas, I. and Haas, J. N. (2014). Palaeoecological evidence for Mesolithic to Medieval climatic change and anthropogenic impact on the Alpine flora and vegetation of the Silvretta Massif (Switzerland/Austria). *Quaternary International* 353(C), pp. 3–16. DOI: [10.1016/j.quaint.2014.05.001](https://doi.org/10.1016/j.quaint.2014.05.001). 2014
- Cubizolle, H., Argant, J., Fassion, F., Latour-Argant, C., Deng-Amiot, Y. and Dietre, B. (2014). L'histoire de la végétation depuis la fin du Tardiglaciaire et l'évolution de l'emprise humaine à partir du milieu de l'Holocène dans le massif central oriental (France). *Quaternaire* 25(3), pp. 209–235. DOI: [10.4000/quaternaire.7060](https://doi.org/10.4000/quaternaire.7060). 2014
- Cubizolle, H., Haas, J. N., Bielowski, W., Dietre, B., Argant, J., Latour-Argant, C., Chatelard, S., Porteret, J. and Lefevre, J.-P. (2013). Palaeo-paludification, environmental change and human impact during the Mid- and Late Holocene in Western Europe: 2013

the example of the La Prenarde-Pifoy mire in the French Massif Central. *Quaternaire* 24(4), pp. 419–442. DOI: [10.4000/quaternaire.6797](https://doi.org/10.4000/quaternaire.6797).

- 2012 • Dietre, B., Gauthier, É. and Gillet, F. (2012). Modern pollen rain and fungal spore assemblages from pasture woodlands around Lake Saint-Point (France). *Review of Palaeobotany and Palynology* 186, pp. 69–89. DOI: [10.1016/j.revpalbo.2012.07.002](https://doi.org/10.1016/j.revpalbo.2012.07.002).

### Publications in other journals

- 2013 • Haas, J. N., Wahlmüller, N., Vaccaro, C., Dietre, B. and Hajdas, I. (2013). 7000 Jahre Vegetationsgeschichte des Urserentals anhand palynologischer und grossrestanalytischer Untersuchungen an den Torfsedimenten aus der Flur „Moos“ zwischen Andermatt und Hospental (Kanton Uri, Schweiz). *Historisches Neujahrsblatt* 68, pp. 85–103.
- 2013 • Haas, J. N., Wahlmüller, N., Kappelmeyer, T., Dietre, B., Hajdas, I. and Imhof, W. (2013). Zur Vegetationsgeschichte der Silberenalp im Muotatal SZ an Hand der paläoökologischen Untersuchung der Schattgaden-Moorsedimente. *Mitteilungen des Historischen Vereins des Kantons Schwyz* 105, pp. 11–32.
- 2013 • Reitmaier, T., Lambers, K., Walser, C., Zingman, I., Haas, J. N., Dietre, B., Reidl, D., Hajdas, I., Nicolussi, K., Kathrein, Y., Naef, L. and Kaiser, T. (2013). Alpine Archäologie in der Silvretta. *Archäologie Schweiz* 36(1), pp. 4–15.

### Other contributions

- 2015 • Haas, J. N., Alstätter, S., Dietre, B., Hajdas, I., Kappelmeyer, T., Renner-Ashwanden, F., Vaccaro, C. and Wahlmüller, N. (2015). “Waldgeschichte der Waldstätten”. In: *Ausflug in die Vergangenheit – Archäologische Streifzüge durch die Urschweiz*. Ed. by M. Sauter. Hochwald: Librum Publishers & Editors.
- 2012 • Dietre, B., Anich, I., Reidl, D., Kappelmeyer, T. and Haas, J. N. (2012). “Erste Hirten und Bauern der Silvretta – Palynologie und Ethnobotanik im Fimbertal und Paznaun”. In: *Letzte Jäger, erste Hirten. Hochalpine Archäologie in der Silvretta*. Ed. by T. Reitmaier. Archäologie in Graubünden – Sonderheft 1, pp. 237–256.

### Peer reviews

- 2018 • One research paper for *Vegetation History and Archaeobotany*.
- 2017 • One research paper for *Palynology*.
- 2016 • One research paper for *Vegetation History and Archaeobotany*.

### Conference sessions

- 2018 • *High temporal resolution palynology and palaeoecology – from centennial to decadal vegetation change, to yearly flowering cycles and seasonal insights from stratified quaternary deposits*, co-organised with Jean Nicolas Haas (University of Innsbruck), to take place during next EPPC in Dublin.

- *Filling the gaps about Non-Pollen Palynomorph ecological significance*, co-organised with Fabienne Marret-Davies and Havananda Ombashi, to take place during next EPPC in Dublin. 2018

## Communications

### Keynotes

- Dietre, B. and Haas, J. N. (2016). An introduction to Non-Pollen Palynomorphs. 2016  
*European Pollen Database Meeting & Workshops*. Aix-en-Provence. Oral communication.

### Invited talks

- Dietre, B. (2016). Impact de l'agro-pastoralisme sur la biodiversité des paysages alpins de la Basse Engadine pendant les 10,000 dernières années. *Phil.Alp*. Lucerne. Oral communication. 2016

### International conferences and workshops

- Dietre, B., Chevassu, V., Bichet, V., Gauthier, É. and Richard, H. (2017). Evidence of Neolithic human settlements in the High Doubs Valley (France) revealed from multi-disciplinary palaeoenvironmental studies. *2<sup>nd</sup> MedPalyno Symposium*. Barcelona. Oral communication. 2017
- Dietre, B. and Haas, J. N. (2017). The value of pyrophilous and coprophilous fungi to reveal past human activities in the Central Alps, Switzerland. *7<sup>th</sup> Workshop on NPPs*. Liverpool. Oral communication. 2017
- Ries, M.-C., Dietre, B., Kofler, W., Heiss, A., Strasser, M., Taylor, T. and Haas, J. N. (2017). Palynological and Archaeobotanical Investigations of the Neolithic Lake Village of Weyregg II (Lake Attersee / Upper Austria). *Socio-Environmental Dynamics over the Last , Years The Creation of Landscapes V*. Kiel. Poster. 2017
- Dendievel, A.-M., Cubizolle, H., Argant, J., Dietre, B., Oberlin, C. and Haas, J. N. (2016). Holocene climate & anthropogenic impact revealed by macrofossils from the Béage volcanic Plateau organic stratigraphies (S-E Massif Central, France). *Journée AFEQ-CNF INQUA*. Paris. Poster. 2016
- Haas, J. N., Dietre, B., Hirnsperger, M., Bressan, D., Walser, C., Hajdas, I., Lang, K., Mair, V., Nickus, U., Reidl, D., Thies, H., Tonidandel, D. and Krainer, K. (2016). Rock Glacier Ice: A completely new palynological proxy for the reconstruction of Holocene climate and environments. *XIV International Palynological Congress*. Salvador. Oral communication. 2016
- Ries, M.-C., Dietre, B., Taylor, T., Haas, J. N. and Dörfler, W. (2016). Beyond Palynology and Prehistoric Lake Villages in Austria. *XIV International Palynological Congress*. Salvador. Poster. 2016

- 2016 • Dietre, B., Walser, C., Lambers, K., Reitmaier, T. and Haas, J. N. (2016). Impact of agro-pastoralism on the biodiversity of the alpine landscapes of the Central Alps since the last 6,000 years. *XIV International Palynological Congress*. Salvador. Oral communication.
- 2015 • Dietre, B., Reidl, D., Hirsperger, M., Walser, C., Hajdas, I., Bressan, D., Lang, K., Mair, V., Nickus, U., Thies, H., Tonidandel, D., Krainer, K. and Haas, J. N. (2015). Palynology and Palaeoecology of the Holocene Lazaun Rock Glacier (Schnals Valley, South Tyrol, Italy). *19<sup>th</sup> International Quaternary Congress (INQUA)*. Nagoya. Oral communication.
- 2015 • Dendievel, A.-M., Dietre, B., Jouannic, G., Cubizolle, H. and Haas, J. N. (2015). From natural to cultural landscape on the Béage Volcanic Plateau (SE Massif Central, France). *GMPCA Workshop*. Besançon. Oral communication.
- 2014 • Dietre, B., Walser, C., Reitmaier, T., Hajdas, I., Lambers, K. and Haas, J. N. (2014). Prehistorical human populations and their activities and impact on the vegetation of the Silvretta Massif (Central Alps, Austria/Switzerland). *9<sup>th</sup> International Quaternary Colloquium (Q9)*. Lyon. Oral communication.
- 2014 • Dietre, B., Cubizolle, H., Argant, J., Fassion, F. and Haas, J. N. (2014). Late Neolithic / Bronze Age Pastoralism and Medieval agriculture in the Monts du Forez (North-Eastern Massif Central, France). *9<sup>th</sup> International Quaternary Colloquium (Q9)*. Lyon. Poster.
- 2013 • Dietre, B., Anich, I., Kappelmeyer, T., Walser, C., Lambers, K., Reitmaier, T., Hajdas, I. and Haas, J. N. (2013). The Silvretta Massif in Switzerland: A hot-spot for the reconstruction of climatic and human impact on the European Alps by palynological means. *23<sup>e</sup> Symposium de l'Association des Palynologues de Langue Française*. Madrid. Oral communication. [Abstract: <http://pollen2013.com/wp-content/uploads/2012/02/AbstractBookPollen2013.pdf>]
- 2013 • Haas, J. N., Wahlmüller, N., Kappelmeyer, T., Dietre, B., Hajdas, I., Leuzinger, U. and Imhof, W. (2013). Prehistorical hunting and pastoral activities in the remote and marginal karstic landscape of the "Silberer Plateau" (Muotathal Alps, Canton of Schwyz, Switzerland). *23<sup>e</sup> Symposium de l'Association des Palynologues de Langue Française*. Madrid. Oral communication. [Abstract: <http://pollen2013.com/wp-content/uploads/2012/02/AbstractBookPollen2013.pdf>]
- 2012 • Dietre, B., Anich, I., Lambers, K., Walser, C., Nicolussi, K., Thurner, A., Reitmaier, T. and Haas, J. N. (2012). 10,000 years of land and natural resources record – The example of high altitude pastoralism in the Silvretta Massif (Austria/Switzerland). *13<sup>th</sup> International Palynological Congress*. Tokyo. Oral communication. [Abstract: [http://www.psj3.org/ipc-iopc2012/Download\\_files/Abstract\\_SS31\\_0828.pdf](http://www.psj3.org/ipc-iopc2012/Download_files/Abstract_SS31_0828.pdf)]
- 2012 • Dietre, B. and Haas, J. N. (2012). Potential alpine and subalpine novel NPPs from the Silvretta Massif (Austrian and Swiss Alps) and their ecological signification regarding pollen analyses and archaeological records. *5<sup>th</sup> Workshop on NPPs*. Amsterdam. Oral communication.
- 2012 • Dietre, B., Anich, I., Lambers, K., Walser, C., Nicolussi, K., Thurner, A., Reitmaier, T. and Haas, J. N. (2012). 10,000 years of plant diversity changes under climatic and human constraints in the Silvretta Massif (Austria/Switzerland). *8<sup>th</sup> International Quaternary Colloquium (Q8)*. Clermont-Ferrand. Oral communication.

- Dietre, B., Anich, I., Lambers, K., Walser, C., Nicolussi, K., Thurner, A., Reitmaier, T. and Haas, J. N. (2011). 10,000 years of plant diversity change due to climatic and human impact in the Silvretta Massif (Austria/Switzerland) as recorded by pollen, cryptogam spores and non-pollen palynomorphs. *22<sup>e</sup> Symposium de l'Association des Palynologues de Langue Française*. Paris. Oral communication. 2011
- Dietre, B., Anich, I., Lambers, K., Walser, C., Nicolussi, K., Thurner, A., Reitmaier, T. and Haas, J. N. (2011). Mesolithic to Neolithic landscape Formation in the Silvretta Alps (Austria/Switzerland) at above today's treeline. *18<sup>th</sup> International Quaternary Congress (INQUA)*. Bern. Poster. [Abstract: <http://www.inqua2011.ch/?a=programme&subnavi=abstract&id=3373>] 2011
- Mauchamp, L., Dietre, B., Perronne, R., Mouly, A. and Gillet, F. (2011). Spatial structure and diversity of grassland communities. *ECOVEG 7*. Lausanne. Oral communication. 2011
- Dietre, B., Gauthier, É. and Gillet, F. (2010). Modern pollen rain and fungal spores assemblages from pasture woodlands at Lake St-Point (France). *4<sup>th</sup> Workshop on NPPs*. Besançon. Poster. 2010

## National conferences and workshops

- Dietre, B. and Haas, J. N. (2015). L'utilisation du feu et l'installation des pâturages dans la Basse-Engadine (Alpes Centrales) pendant la transition du Néolithique à l'Âge du Bronze. *24<sup>e</sup> Symposium de l'Association des Palynologues de Langue Française*. Pontarlier. Poster. 2015
- Dendievel, A.-M., Argant, J., Cubizolle, H., Deng-Amiot, Y., Dietre, B., Jouannic, G., Stuart, D. and Haas, J. N. (2015). Evolutions environnementales depuis l'Atlantique en haute Ardèche : palynologie, macro-restes et mesures physico-chimiques sur les séquences tourbeuses du Plateau du Béage (Massif Central, France). *24<sup>e</sup> Symposium de l'Association des Palynologues de Langue Française*. Pontarlier. Oral communication. 2015
- Walser, C., Dietre, B., Reitmaier, T., Kothieringer, K., Haas, J. N. and Lambers, K. (2014). „Hartgesottene Äpler“: Der Einfluss des Klimas auf die Hochlagennutzung in den zentralen Ostalpen zu Beginn der Bronzezeit. *7<sup>th</sup> Archaeological Conference of Central Germany*. Halle. Poster. 2014
- Dietre, B., Anich, I., Lambers, K., Walser, C., Nicolussi, K., Thurner, A., Reitmaier, T. and Haas, J. N. (2012). 10,000 years of land use history in the Silvretta Massif (Austria/Switzerland): from woodlands to alpine pastures and meadows. *15<sup>th</sup> Meeting of Austrian Botanists*. Innsbruck. Poster. 2012

## International seminars

- Dietre, B. (2015). Transhumance verticale dans les Alpes Centrales aux âges des métaux. *Séminaire Interactions Hommes-Animaux*. Besançon. Oral communication. 2015
- Dietre, B. (2015). Pastoralisme et Haute Montagne : histoire des activités humaines en Basse Engadine (CH). *Séminaire franco-suisse – Approches thématiques en archéologie*. Besançon. Oral communication. 2015

- 2015 • Dietre, B. and Haas, J. N. (2015). When did pastoralism start? The use of subalpine and alpine areas through prehistoric times: the palynological evidence. *Prehistoric Alpine Pastoralism Workshop*. Chur. Oral communication.

### National seminars

- 2012 • Dietre, B., Anich, I. and Haas, J. N. (2012). Palynological evidence of Holocene plant diversity change in Fimba Valley (Austria/Switzerland). *Botanical Seminar of the Institute of Botany*. Innsbruck. Oral communication.

### Other presentations

- 2015 • Cuenot, Q. and Dietre, B. (2015). Créer d'élégants graphiques dans R – Introduction au package ggplot2. *R Meetup*. Besançon. Oral communication.

### Appointments held

- 2017 **Post-doc** Palynological analyses from Lake Remoray and the La Beuffarde mire, France, and the Les Araygnis mire, Switzerland (coord. H. Richard) – University of Franche-Comté
- 2016 **Post-doc** Palynological analyses from Lake Mondsee, Austria (coord. J. N. Haas) – University of Innsbruck
- 2016 **Post-doc** Palynological and carpological analyses from the Roman settlement of Pfongau, Austria and from the Lazaun Bog, Italy (coord. J. N. Haas) – University of Innsbruck
- 2015 **Research project** Palynological analyses from Alba-la-Romaine, France (coord. F. Isnard)
- 2015 **Research project** Palynological analyses from the Dizy Bog, Switzerland (coord. H. Richard) – University of Franche-Comté
- 2014–2015 **Research project** Palynological analyses from the Lazaun Bog, Italy (coord. J. N. Haas & K. Krainer) – University of Innsbruck
- 2014 **Research project** Palynological analyses from the Roman settlement of Pfongau, Austria (coord. J. N. Haas) – University of Innsbruck
- 2014 **Research project** Palynological analyses from Le Béage, Massif Central, France (coord. H. Cubizolle & J. N. Haas) – Universities of Lyon–Saint-Étienne and Innsbruck
- 2013–2014 **Research project** Palynological analyses from Brüsti, Canton of Uri, Switzerland (coord. J. N. Haas) – University of Innsbruck
- 2013–2014 **Research project** Palynological analyses from Gourgon, Massif Central, France (coord. H. Cubizolle & J. N. Haas) – Universities of Lyon–Saint-Étienne and Innsbruck
- 2011–2013 **Research project** Palynological analyses from the Holocene Lazaun rock glacier, Italy (coord. J. N. Haas & K. Krainer) – University of Innsbruck
- 2010–2014 **Ph.D. research** *10,000 years of climatic and human impact in the Sivretta Massif between the Paznaun Valley (Austria) and the Lower Engadine (Switzerland)* (coord. J. N. Haas & K. Lambers) – Universities of Innsbruck and Bamberg

**Research project** Biodiversity in grasslands, France (coord. F. Gillet) – University of Franche-Comté 2010

## Fundings

**Post-doctoral studies** about past human land-use of the environment of the High Doubs Valley funded by the Region of Burgundy–Franche-Comté (grant number: RECH-MOB16-000008)

**Analyses** of macro-charcoal particles from the Saglias Bog funded by the *Interdisciplinary Department of French Studies of the University of Innsbruck*

**Ph.D. thesis** funded by the *Herzog Sellenberg Foundation* and the *Dr. Erich Ritter Foundation*, Germany (grant number: T021/20506/2010).

**Talk** given at the 22<sup>nd</sup> *Symposium of the Association of French-Speaking Palynologists* supported by the *Interdisciplinary Department of French Studies of the University of Innsbruck*

**Talk** given at the 13<sup>th</sup> *International Palynology Conference* supported by the *Association of French-Speaking Palynologists*, the *International Federation of Palynological Societies*, and the *Organization Committee of the 13<sup>th</sup> International Palynology Conference*

**Scholarship** at the Linnæus University (Kalmar, Sweden, 1 month), supported by the *International Relations Office of the University of Innsbruck*

**Poster** presented at the 9<sup>th</sup> *International Quaternary Workshop* supported by the *Interdisciplinary Department of French Studies of the University of Innsbruck*

## Teaching

**2 hours lecture** on development of agriculture in Europe, given twice to Master students in Environmental Sciences of the University of Franche-Comté 2015–2016

**3 hours lecture** on recent evolution of agricultural systems in Europe, given to Master students in Environmental Sciences of the University of Franche-Comté 2015

**2 days PW** as introduction to statistics with *R* given three times to Master students in Archaeology of the University of Franche-Comté 2015–2017

**2 days PW** as perfecting to statistics with *R* given twice to Master students in Archaeology of the University of Franche-Comté 2016–2017

**4 hours PW** during which Master students in Environmental Sciences of the University of Franche-Comté criticise papers about present and past dynamics of middle mountain agricultural systems 2015

**half day** introduction to statistics with *R* and linear models to PhD students, post-docs and research assistants at the University of Innsbruck 2014

**2 days** botanical excursion in the Central Alps with Bachelor students in Biology of the University of Innsbruck 2013

**18 hours PW** *Plant Systematics and Diversity* given to Bachelor students in Biology of the University of Innsbruck 2011

## Languages

- French (native)
- English (very good)
- German (good)
- Italian, Spanish (basics)

## Computer skills

- OSes: macOS, Linux, Windows
- Software: Tilia, PolyCounter, Office, Illustrator, InDesign
- Statistical computing in *R* and elegant graphics and maps with *ggplot2*
- Age-depth modeling with *clam* and *Bacon*
- Scripting in *R* and *AppleScript*
- Programming with *Arduino*
- Typesetting in  $\text{\LaTeX}$