

PEER-REVIEWED ARTICLES

Students / Postdocs under my supervision are underlined. See also my [google scholar account](#).
(<https://scholar.google.ch/citations?user=fx-VNCAAAAAAJ&hl=en>)

- Dubois, N.**, Raman, L., Rabold, M., Hilbe, M., Anselmetti, F., Wüest, A.J., Meuriot, L., Jeannet, A., Girardclos, S., (2019), Subaquatic slope instabilities: the aftermath of river correction and artificial dumps in Lake Biel (Switzerland), *Sedimentology*. doi: 10.1111/sed.12669
- Casado-Martinez, C, Schneeweiss, A, Thiemann, C, **Dubois, N**, Pintado-Herrera, M, Lara-Martin, PA, Ferrari, B, Werner, I (2019) Ecotoxicité des sédiments de ruisseaux, *Aqua & Gas*, 12, 62-71.
- Mauad, M, Mayr, C, Graßl, T, **Dubois, N**, Serra, MN, Massaferrero, J (2019), Impact of human activities and climate on Lake Morenito, Northern Patagonia, Argentina, *Hydrobiologia*, doi.org/10.1007/s10750-019-04133-9
- Mayr, C., Smith, R. E., Garcia, M. L., Massaferrero, J., Lücke, A., **Dubois, N.**, Maidana, N. I., Meier, W. J.-H., Wissel, H., Zolitschka, B. (2019) Historical eruptions of Lautaro Volcano and their impacts on lacustrine ecosystems in southern Argentina, *J Paleolimnol*, 62, 205–221.
- Fiskal, A., Deng, L., Michel, A., Eickenbusch, P., Han, X., Lagostina, L., Zhu, R., Sander, M., Schroth, M. H., Bernasconi, S. M., Dubois, N., and Lever, M. A. (2019) Effects of eutrophication on sedimentary organic carbon cycling in five temperate lakes. *Biogeosciences*, 16, 3725–3746.
- Molenaar, A., Moernaut, J., Wiemer, G., **Dubois, N.**, Strasser M. (In Press) Earthquake impact on active margins: tracing surficial remobilization and seismic strengthening in a slope sedimentary sequence. *Geophysical Research Letters*.
- *Haas, M., Baumann, F., Castella, D., Reusch, A., Strasser, M., Eglinton, T.I., **Dubois, N.** (2019) Roman-driven cultural eutrophication of Lake Murten, Switzerland. *Earth and Planetary Science Letters*, 505, 110-117.
- Krentscher, C., **Dubois, N.**, Camperio, G., Prebble, M., Ladd, N. (2019) Palmitone as a potential species-specific biomarker for the crop plant taro (*Colocasia esculenta* Schott) on remote Pacific islands, *Organic Geochemistry*, 132, 1–10.
- Deng, L., Fiskal, A., Han, X., **Dubois, N.**, Bernasconi, S.M., Lever, M.A. (2019) Improving the Accuracy of Flow Cytometric Quantification of Microbial Populations in Sediments: Importance of Cell Staining Procedures. *Frontiers in Microbiology*. V. 10, Article 720. <https://doi.org/10.3389/fmicb.2019.00720>
- Pesce, S., Ferrari, B.J.D., et al. (2019) Recommandations d'un collectif franco-suisse d'experts pour une meilleure évaluation de la qualité écotoxicologique des sédiments par l'étude des communautés benthiques, *Sciences Eaux & Territoires, la revue d'Irstea*, Article hors-série numéro 55.
- *Ladd, N. Nelson D, Schubert C, **Dubois N** (2018) Lipid compound classes display contrasting hydrogen isotope responses in lakes along a nutrient gradient. *Geochimica et Cosmochimica Acta*, 237, 103-119.
- Thomas, C., Frossard, V., Perga, M.-E., Tofield-Pasche, N., Hofmann, H., **Dubois, N.**, Belkina, N., Zobkova, M., Robert, S., Lyautey, E. (2018) Lateral variations and vertical structure of the microbial methane cycle in the sediment of Lake Onego (Russia), *Inland Waters*. <https://doi.org/10.1080/20442041.2018.1500227>
- Tolotti M, **Dubois N**, Milan M, Perga M-E, Straile D, Lami A (2018) Large and deep perialpine lakes: a paleolimnological perspective for the advance of ecosystem science. *Hydrobiologia*, <https://doi.org/10.1007/s10750-018-3677-x>

- Muschick, M., Russell, J.M., Jemmi, E., Walker, J., Stewart, K.M., Murray, A.M., **Dubois, N.**, Stager, J.C., Johnson, T.C., Seehausen, O. (2018) Arrival order and release from competition does not explain why haplochromine cichlids radiated in Lake Victoria. *Proc. R. Soc. B* 285:20180462. <http://dx.doi.org/10.1098/rspb.2018.0462>
- Dubois N.**, Saulnier-Talbot, É., Mills, K., Gell, P., Battarbee, R., Bennion, H., Chawchai, S., Dong, X., Francus, P., Flower, R., F. Gomes, D.F., Gregory-Eaves, I., Humane, S., Kattel, G., Jenny, J.-P., Langdon, P., Massaferrò, J., McGowan, S., Mikomägi, A., Thi Minh Ngoc, N., Sandaruwan Ratnayake, A., Reid, M., Rose, N., Saros, J., Schillereff, D., Tolotti, M., Valero-Garcés B., (2017) First human impacts and responses of aquatic systems: a review of palaeolimnological records from around the world. *The Anthropocene Reviews*. <https://doi.org/10.1177/2053019617740365>
- Monchamp, M.-E., Spaak, P., Domaizon, I., **Dubois, N.**, Bouffard, D., Pomati, F. (2017), Homogenization of lake cyanobacterial communities over a century of climate change and eutrophication. *Nature Ecology and Evolution*, doi.org/10.1038/c41559-017-0407-0.
- *Ladd, S.N., **Dubois, N.**, Schubert, C. (2017), Interplay of temperature, productivity, and community assemblage on hydrogen isotope signatures of algal lipid biomarkers, *Biogeosciences*, 14, 3979–3994.
- Lavrieux, M., Schubert, C. J., Hofstetter, T., Eglinton, T., Hajdas, I., Wacker, L. and **N. Dubois** (2017), From medieval land clearing to industrial development: 800 years of human-impact history in the Joux Valley (Swiss Jura). *The Holocene*, 1-12.
- Råman Vinnå, L., Bouffard, D., Dubois, N., Hilbe, M., Käser, R., & Wüest, A. (2017). Seewasserentnahme im Bielersee. Gibt es eine ideale Position? *Aqua & Gas*, 97(9), 14-20.
- Dubois, N.**, Jacob, J. (2016), Molecular Biomarkers of Anthropogenic Impacts in Natural Archives: A Review. *Front. Ecol. Evol.* 4:92. doi: 10.3389/fevo.2016.00092
- D'Hondt, S., Inagaki, F., Alvarez Zarikian, C., Abrams, L. J., **Dubois, N.**, Engelhardt, T., Evans, H., Ferdelman, T., Gribsholt, B., Harris, R. N., Hoppie, B. W., Hyun, J.-H., Kallmeyer, J., Kim, J., Lynch, J. E., McKinley, C. C., Mitsunobu, S., Morono, Y., Murray, R. W., Pockalny, R., Sauvage, J., Shimono, T., Shiraiishi, F., Smith, D. C., Smith-Duque, C. E., Spivack, A. J., Steinsbu, B. O., Suzuki, Y., Szpak, M., Toffin, L., Uramoto, G., Yamaguchi, Y. T., Zhang, G.-L., Zhang, X.-H. and W. Ziebis (2015), Presence of oxygen and aerobic communities from sea floor to basement in deep-sea sediments, *Nature Geoscience*, Advance Online Publication, doi:10.1038/ngeo2387.
- ***Dubois, N.**, Oppo, D. W., Galy, V. V., Mohtadi, M., van der Kaars, S., Tierney, J. E., Rosenthal, Y., Eglinton, T. I., Lückge, A. and B. K. Linsley (2014), Indonesian vegetation response to changes in rainfall seasonality over the past 25,000 years, *Nature Geoscience*, 7, 513-517. doi:10.1038/ngeo2182
- Dubois, N.**, Kienast, M., Kienast, S. S. and A. Timmermann (2014), Millennial-scale Atlantic/East Pacific sea surface temperature linkages during the last 100,000 years, *Earth and Planetary Science Letters*, 396, 134-142.
- Dubois, N.**, Mitchell, N. C. and I. R. Hall (2014), Data report: particle size distribution for IODP Expedition 329 sites in the South Pacific Gyre. In D'Hondt, S., Inagaki, F., Alvarez Zarikian, C.A., and the Expedition 329 Scientists, *Proc. IODP*, 329: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.329.201.2014.
- Mitchell, N. C. and **N. Dubois** (2014), Evaluating Cenozoic equatorial sediment deposition anomalies for potential paleoceanographic and Pacific plate motion applications, *Marine Geophysical Research*, 35, 1–20.
- Kienast, S. S., Friedrich, T., **Dubois, N.**, Hill, P., Timmermann, A. and M. Kienast (2013), Near-collapse of the meridional SST gradient in the Eastern Equatorial Pacific during the Heinrich Stadial 1, *Paleoceanography*, 28, 663–674.

- Galbraith, E. D., Kienast, M. and the **NICOPP working group** (2013), The acceleration of oceanic denitrification during deglacial warming, *Nature Geoscience*, 6, 579–584.
- D'Hondt, S., Inagaki, F., Alvarez Zarikian, C., **Dubois, N.**, Engelhardt, T., Evans, H., Ferdelman, T., Gribsholt, B., Harris, R. N., Hoppie, B. W., Hyun, J.-H., Kallmeyer, J., Kim, J., Lynch, J. E., Mitsunobu, S., Morono, Y., Murray, R. W., Shimono, T., Shiraishi, F., Smith, D. C., Smith-Duque, C. E., Spivack, A. J., Steinsbu, B. O., Suzuki, Y., Szpak, M., Toffin, L., Uramoto, G., Yamaguchi, Y., Zhang, G.-L., Zhang, X.-H. and W. Ziebis (2013), IODP Expedition 329: Life and Habitability Beneath the Seafloor of the South Pacific Gyre, *Scientific drilling*, 15, 4-10, doi:10.2204/iodp.sd.15.01.2013.
- Dubois, N.** and N. Mitchell (2012), Large-scale sediment redistribution on the equatorial Pacific seafloor, *Deep-Sea Research I*, 69, 51-61. doi:10.1016/j.dsr.2012.07.006.
- Kienast, M., MacIntyre, G., **Dubois, N.**, Higginson, S., Normandeau, C., Chazen, C. and T. Herbert (2012), Alkenone unsaturation in surface sediments from the eastern equatorial Pacific: Implications for SST reconstructions, *Paleoceanography*, 27, PA1210, doi:10.1029/2011PA002254.
- Robinson, R. S., Kienast, M., Albuquerque, A. L., Altabet, M., Contreras Quintana, S., De Pol-Holz, R., **Dubois, N.**, Francois, R., Galbraith, E., Hsu, T.-C., Ivanochko, T., Jaccard, S., Kao, S.-J., Kiefer, T., Kienast, S., Lehmann, M., Martinez, P., McCarthy, M., Möbius, J., Pedersen, T. F., Quan, T. M., Ryabenko, E., Schmittner, A., Schneider, R., Schneider-Mor, A., Shigemitsu, M., Sinclair, D., Somes, C., Studer, A., Thunell, R. and J.-Y. Yang (2012), A review of nitrogen isotopic alteration in marine sediments, *Paleoceanography*, 27, PA4203, doi:10.1029/2012PA002321.
- Dubois, N.** and M. Kienast (2011), Spatial reorganization in the equatorial divergence in the Eastern Tropical Pacific during the last 150 kyr, *Geophysical Research Letters*, 38, L16606, doi:10.1029/2011GL048325
- This paper was highlighted in Nature Geosciences: Newton, A (2011), Upwelling displaced, Nature Geoscience, 4, 580 (2011), doi:10.1038/ngeo1257*
- Dubois, N.**, Kienast, M., Kienast, S., Calvert, S. E., Herbert, T. D. and A. C. Mix (2011), Millennial-scale hydrographic variations and biogeochemical adjustments in the Eastern Equatorial Pacific during the last 100 kyr, *Quaternary Science Reviews*, 30, 210-223, doi:10.1016/j.quascirev.2010.10.012
- Dubois, N.**, Kienast, M., Kienast, S. S., Calvert, S. E., François, R. and R. F. Anderson (2010), Sedimentary opal records in the Eastern Equatorial Pacific: It's not all about leakage, *Global Biogeochemical Cycles*, 24, GB4020, doi:10.1029/2010GB003821
- Dubois, N.**, Kienast, M., Normandeau, C. and T. D. Herbert (2009), Eastern equatorial Pacific cold tongue during the Last Glacial Maximum as seen from alkenone paleothermometry, *Paleoceanography*, 24, PA4207, doi:10.1029/2009PA001781.
- Dubois, N.**, Kindler, P., Spezzaferri, S. and C. Coric (2008), The initiation of the southern central Great Barrier Reef: New multiproxy data from Pleistocene distal sediments from the Marion Plateau (NE Australia), *Marine Geology*, 250, 223-233.

SUBMITTED MANUSCRIPTS

- Gangi, D. Plastani, M.S., Laprida, C., Lami, A., **Dubois, N.**, Bordet, F., Gogorza, C., Frau, D., de Tezanos Pinto P. (In revision for *Journal of Paleolimnology*) Trends in cyanobacteria revealed through multi-proxy analysis of sediment cores from a large sub-tropical reservoir
- Haas M, Kaltenrieder P, Ladd, S.N., Welte C, Eglinton TI, **Dubois N** (in revision for *Quaternary Science Reviews*) Land-use evolution in the catchment of Lake Murten, Switzerland
- Bliedner, M., von Suchodoletz, H., Schäfer, I., Welte, C., Salazar, G., Szidat, S., Haas, M., **Dubois, N.**, Zech, R. (submitted to *Hydrology and Earth System Sciences*) Age and origin of leaf wax n-alkanes in fluvial sediment-paleosol sequences, and implications for paleoenvironmental reconstructions

NON-REFEREED CONTRIBUTIONS

- Dubois, N.** (2014), Historische Sauerstoffverhältnisse im Zürichobersee: Rekonstruktion historischer Sauerstoffgehalte im Lachener Becken mittels Sedimentkern-Analysen, 8pp. *Report on anoxia in Upper Lake Zurich for the Cantons of St-Gallen and Schwitz, Switzerland.*
- Dubois, N.**, Smith-Duque, C. and the IODP Expedition 329 Shipboard Science Party (2011), Expedition 329: South Pacific Gyre Microbiology, UK-IODP Newsletter, 36, 7-11.
- Boerner, A., **Dubois, N.**, Smith, P., St.Amour, N. and R. Urrutia (2009), Climate variability, forcings, feedbacks and responses: The long-term perspective, Workshop Report, PAGES News, 17 (3), 128.

THESES

- Dubois, N.** (2010), On the paleoceanography of the eastern equatorial Pacific during the last 100,000 years, PhD thesis, Dalhousie University.
- Meyer¹, N.** (2005), Changements climatiques et océanographiques au Pléistocène supérieur: Les données du Plateau du Marion, NE Australie, Travail de Diplôme, Université de Genève (M.Sc. Thesis).

MANUSCRIPTS IN PREPARATION

- Monchamp, M.-E., Bruel, R., Frossard, V., McGowan, S., Lavrieux, M., Muschick, M., Perga, M.-E., **Dubois, N.** (in preparation for submission to *Journal of Paleolimnology*) Paleolimnological records of community dynamics in response to climate change and anthropogenic activities
- Mischa Haas^{1,2*}, Fatemeh Ajallooeian^{1,3}, Caroline Welte², Natalya Belkina⁴, Dimitry Subetto⁴, Carsten Schubert¹, Timothy Ian Eglinton², Nathalie Dubois^{1,2} (In prep) How politics shape agricultural landscapes: An example of land-use relaxation and its effect on soil stabilization in the catchment of Lake Lavijärvi, Russia Karelia
- Galy, V., **Dubois, N.**, Oppo, D., Mohtadi, M. and T. I. Eglinton (in prep.), 14C Age discrepancies between marine and terrestrial compounds: The effect of mixing with old OM.

PEER-REVIEWED CONFERENCE PRESENTATIONS

- Camperio Ciani, G., Ladd, S.N.; Prebble, M.; Krentscher, C.; Delhaie, A.; & Dubois, N. (2019) Using lake sediment cores to trace environmental changes in remote Pacific islands, Women in Aquatic Science Networking Event, Constance, Germany, poster (poster prize!)
- Lloren, R, Augustinus, P, Dubois, N (2019) Tracking human arrival in North Island, New Zealand using fecal sterols and leaf wax data: An Implication of Pre-Maori arrival, INQUA, 25-31 Jul., Dublin, Ireland
- Lloren, R, Augustinus, P, Dubois, N (2019) Disentangling climate and human factors in the settlement of the Maori in the North Island of New Zealand, INQUA, 25-31 Jul., Dublin, Ireland
- Krentscher Christiane, Ladd Sarah Nemiah, Camperio Giorgia, Prebble Matthew, Dubois Nathalie (2019) Palmitone as a species-specific biomarker for the crop plant taro (*Colocasia esculenta* Schott.) on remote Pacific island, INQUA, 25-31 Jul., Dublin, Ireland
- Camperio Ciani, G., Ladd, S.N.; Prebble, M.; Krentscher, C.; Delhaie, A.; & Dubois, N. (2019) Tracing anthropogenic changes in the Pacific Islands of Vanuatu, INQUA, 25-31 Jul., Dublin, Ireland
- Röthlin Remo, Gilli Adrian, Wehrli Bernhard, Gilli Robin S, Wiederhold Jan G, Dubois Nathalie (2018), Tracking the source of heavy metal pollution in Lake X (Switzerland): A combination of mercury isotopes, XRF core scanning and ICP-OES, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Camperio Giorgia, Lloren Ronald, Ladd Nemiah S, Delahaie Amicie, Prebble Matthew, Dubois

¹ Maiden name

- Nathalie (2018), Tracing anthropogenic changes in the Pacific Islands of Vanuatu, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Camperio Giorgia, Augustinus Paul, Dubois Nathalie (2018), Maori's arrival in North Island, New Zealand: Does the archaeological evidence match with the sediment archive?, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Krentscher Christiane, Ladd Sarah Nemiah, Camperio Giorgia, Prebble Matthew, Dubois Nathalie (2018), Palmitone as a biomarker for the agricultural plant *Colocasia esculenta*, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Haas Mischa, Ajallooeian Fatemeh, Belkina Natalya, Subetto Dmitry, Dubois Nathalie (2018), From plowing to grazing: An example of land-use relaxation and its effect on soil stabilization and the recovery of Lake Lavijärvi, Russia Karelia, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Haas Mischa, Boltshauser Petra, Tinner Willy, Eglinton Timothy Ian, Dubois Nathalie (2018), The impact of Roman land-use on Lake Murten (Switzerland) and its catchment – New insights from leaf wax radiocarbon dating, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Ladd Nemiah, Maloney Ashley, Nelson Daniel, Prebble Matthew, Sachs Julian, Dubois Nathalie (2018), Late Holocene precipitation changes from terrestrial and aquatic biomarkers in freshwater lake sediments in Vanuatu, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Lami Andrea, Dubois Nathalie, Milan Manuela, Perga Marie-Elodie, Straile Dietmar, Tolotti Monica (2018), Large and deep perialpine lakes: a paleolimnological perspective for the advance of ecosystem science, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Mauad Melina, Mayr Christoph, Grassl Teresa, Dubois Nathalie, Noel Serra Maria, Franco-Gaviria Juan Felipe, Massafferro Julieta (2018), Impacts of human activities and climate on Lake Morenito, Northern Patagonia, Argentina, IPA-IAL, 18 – 21 Jun., Stockholm, Sweden.
- Camperio, Giorgia, Lloren Ronald, Ladd Nemiah S, Prebble Matthew, Dubois Nathalie (2018), Tracing Past Ecosystem Modification in the Pacific Islands of Vanuatu, New Zealand, SwissSed, 24. Feb., Fribourg, Switzerland.
- Lloren, Ronald, Augustinus Paul, Dubois Nathalie (2018), Tracking the Maoris: fecal sterols as tracers of changes in paleo-agropastoral activities around Lake Pupuke, North Island, New Zealand, SwissSed, 24. Feb., Fribourg, Switzerland.
- Ladd, S. Nemiah, Matthews Blake, Nelson Daniel B, Dubois Nathalie, Schubert Carsten (2018), Experimental Ponds Highlight Importance of Community Assembly for Lipid Hydrogen Isotopes, Goldschmidt, 12 – 17 Jul., Boston, USA.
- Haas, Mischa, Welte Caroline, Eglinton Timothy Ian, Dubois Nathalie (2018), Reconstructing the impact of past land-use on soil degradation using compound-specific radiocarbon dating of sedimentary leaf waxes, AGU Fall Meeting, 10 – 24 Dec., Washington, USA.
- Ladd, S. Nemiah, Krentscher Christiane, Camperio Giorgia, Prebble Matthew, Dubois Nathalie (2018), Lipid biomarkers of past agricultural activity in Remote Oceania, Gordon Research Conference, 29 Jul. – 3 Aug., Holderness, USA.
- Ladd, S. Nemiah, Nelson Daniel B, Limberger Romana, Schubert Carsten, Dubois Nathalie (2018), Paired Hydrogen Isotope Ratios of Sterols and Phytol as Indicators of Phytoplankton Growth and Dynamics, AGU Fall Meeting, 10 – 24 Dec., Washington, USA.
- Röthlin Remo, Dubois Nathalie (2018), Paleo-ecotoxicology: Shining a light on the true impacts of pollution, Swiss Geosciences Meeting, 1 Dec., Bern, Switzerland.
- Dubois, Nathalie, Råman Vinnå Love, Rabold MARvin, Hilbe Michael, Anselmetti Flavio, Wüest Alfred, Meuriot Laetitia, Jeannet Alice, Girardclos Stéphanie (2018), Subaquatic slope instabilities due to river correction and artificial dumps (Lake Biel, Switzerland), Swiss Geosciences Meeting, 1 Dec., Bern, Switzerland.

- Råman Vinnå Love, Bouffard Damien, Wüest Alfred, Girardclos Stéphanie, Dubois Nathalie (2018), Spatial focusing of lake sedimentation by wind driven circulation, Swiss Geosciences Meeting, 1 Dec., Bern, Switzerland.
- Camperio Ciani, G., Lloren, R., Ladd, S.N., Prebble, M., **Dubois, N.** (2017), Tracing human arrival and ecosystem modification in the Pacific archipelago of Vanuatu, Swiss Geosciences Meeting, 18 Nov., Davos, Switzerland.
- Lloren, R., Augustinus, P., **Dubois, N.** (2017), Multiproxy approach in assessing the downcore variations of Lake Pupuke, North Island, New Zealand during the last 1700 cal yr BP, Swiss Geosciences Meeting, 18 Nov., Davos, Switzerland.
- Haas, M., Belkina N., Subetto D., **Dubois, N.** (2017), How politics shape agricultural landscapes: The plant wax record of Lake Lavijärvi, Russia Karelia, Swiss Geosciences Meeting, 18 Nov., Davos, Switzerland.
- Dubois N.** (2017) Rapid screening of heavy metals and trace elements in sediment cores , EMPA-Eawag Analytical Workshop, 12 Oct., Dübendorf, Switzerland.
- Ladd, S.N., **Dubois N.**, Nelson D., Schubert C. (2017), Effect of nutrient availability in freshwater lakes on hydrogen isotope fractionation in algal lipid biosynthesis, International Meeting of Organic Geochemists (IMOG), 18 – 22 Sep., Florence, Italy.
- Ladd, S.N., Bross K., **Dubois N.**, Schubert C. (2017), Interactions between Nutrient Induced Changes in Algal Community Structure and Hydrogen Isotopes of Lipid Biomarkers, Goldschmidt Conference, 13 – 18 Aug., Paris, France.
- Ladd, S.N., Bross K., **Dubois N.**, Schubert C. (2017), Links between nutrient loading, community structure, and net hydrogen isotope fractionation of algal lipid biomarkers, Goldschmidt Conference, 13 – 18 Aug., Paris, France.
- Haas, M., Baumann F., Reusch A., Strasser M., Eglinton T., **Dubois, N.** (2017), Of Pile dwellers, Roman and Medieval Farmers – Deciphering the impact of early human land-use on Lake Murten (Switzerland) and its catchment, Goldschmidt Conference, 13 – 18 Aug., Paris, France.
- Camperio Ciani, G., Lloren, R., Ladd, S.N., Prebble, M., **Dubois, N.** (2017) Molecular traces of Anthropogenic and Climatic impact in Remote Oceania (MACRO), Past Global Changes (PAGES) 5th Open Science Meeting, 9 – 13 May, Zaragoza, Spain.
- Haas, M., Baumann F., Reusch A., Strasser M., Eglinton T., **Dubois, N.** (2017) Of Pile dwellers, Roman and Medieval Farmers – Early human impact on Lake Murten, Switzerland, Past Global Changes (PAGES) 5th Open Science Meeting, 9 – 13 May, Zaragoza, Spain.
- Haas, M., Belkina N., Subetto D., **Dubois, N.** (2017) How politics shape agricultural landscapes: The plant wax record of Lake Lavijärvi, Russia Karelia, Past Global Changes (PAGES) 5th Open Science Meeting, 9 – 13 May, Zaragoza, Spain.
- Dubois, N.**, Jacob, J. (2017) Molecular biomarkers of anthropic impacts in natural archives, Past Global Changes (PAGES) 5th Open Science Meeting, 9 – 13 May, Zaragoza, Spain.
- Monchamp, M.-E., Spaak, P., Domaizon, I., **Dubois, N.**, Pomati F. (2017) A century of eutrophication and climate change homogenized lake cyanobacterial communities, Past Global Changes (PAGES) 5th Open Science Meeting, 9 – 13 May, Zaragoza, Spain.
- Haas, M., Baumann F., Reusch A., Strasser M., Eglinton T., **Dubois, N.** (2017), The legacy of Roman land-use - Impact of early agriculture on soil degradation in the catchment of Lake Murten, Switzerland, CH-QUAT meeting, 1 Apr., Neuchâtel, Switzerland.
- Haas, M., Baumann, F., Reusch, A., Strasser, M., Eglinton, T. I., **Dubois, N.** (2016), Impact and historical evolution of human land-use in the catchment of Lake Murten, SwissSed, Fribourg
- Rabold, M., **Dubois, N.**, Raman, L. Wüest, A. (2016), Investigation of the particle dynamics in lake Biel on the basis of sedimentation rate, calcium carbonate and radioactivity.

- Ladd, S. N., **Dubois, N.** and C. Schubert (2015), Effect of phosphorous concentrations on sedimentary distributions and isotopic composition of algal lipid biomarkers in lakes from central Switzerland, AGU Fall Meeting, San Francisco, Calif., 14 – 18 Dec., Abstract #83435.
- Lavrieux, M. and **N. Dubois** (2015), From medieval land clearing to industrial development: 800 years of human impact history in the Joux Valley (Swiss Jura) reconstructed from multiproxy sediment core analysis and historical documents, Eawag Symposium, Dübendorf, 11 Sep.
- Dubois, N.** (2015), Compound-specific radiocarbon analysis to determine past soil sensitivity, GloSS workshop, Bonn, 19 – 21 Aug.
- Ladd, S. N., **Dubois, N.** and C. Schubert (2015), Hydrogen isotope response of algal lipids to variable nutrient concentrations in Swiss lakes, Goldschmidt, Prague, Czech Republic, 16 – 21 Aug.
- Dubois, N.**, Lavrieux, M., Schubert, C., Hofstetter, T., Eglinton, T., Bollhalder, S., Brunner, I. and A. Lück (2015), Reconstructing anthropogenic soil erosion using compound-specific radiocarbon analysis, INQUA, Nagoya, Japan, 27 July – 2 Aug.
- Lavrieux, M., Schubert, C. J., Hofstetter, T., Eglinton, T., Bollhalder, S., Brunner, I., Lück, A. and **N. Dubois** (2015), Tracing early farming impacts on soil using the age of terrestrial biomarkers deposited in lake sediments, INQUA, Nagoya, Japan, 27 July – 2 Aug.
- Dubois, N.**, Gilli, A., Schubert, C., Lueck, A. and I. Brunner (2015), Upper Lake Zurich/Switzerland: From a clastic to a biochemical lake system within years, INQUA, Nagoya, Japan, 27 July – 2 Aug.
- Lavrieux, M., Schubert, C. J., Hofstetter, T., Eglinton, T. and **N. Dubois** (2015), Tracing early farming impacts In Lake Joux (Switzerland) using the ^{14}C age of terrestrial biomarkers, International Paleolimnology Symposium, Lanzhou, China, 4-7 Aug.
- Dubois, N.**, Lavrieux, M., Liechti, R., Gilli, A., Brunner, I., Freydier, L. and A. Lück (2015), Legacies from early industrial activities in Swiss lakes sediments, Contaminated Sediments, Ascona, Switzerland
- Liechti, R., **Dubois, N.**, Gilli, A., Brunner, I. and A. Lück (2015), Heavy metal distribution in sediments of Lake Walen, SwissSed, Fribourg, Switzerland
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- Kienast, S., **Dubois, N.**, Kienast, M., Francois, R., Hill, P. S. and R. F. Anderson (2010), Detrital input to the Eastern Equatorial Pacific over the last 30 kyrs: New insights from Thorium-232 and grain size distributions, (International Conference on Paleoceanography – ICP-X, San Diego).
- Dubois, N.**, Kienast, M., Kienast, S., Normandeau, C., Calvert, S. E. and T. D. Herbert (2010), Bi-polar footprints in Eastern Equatorial Pacific sediments during the Last Glacial, (abstract #3744, 44th CMOS congress – Canadian Meteorological and Oceanographic Society).
- Kienast, M., MacIntyre, G., Hill, A., **Dubois, N.** and C. Normandeau (2010), Alkenone paleothermometry: New insights from culture studies and eastern tropical Pacific surface sediments, (abstract #3748, 44th CMOS congress – Canadian Meteorological and Oceanographic Society).
- Dubois, N.**, Kienast, M., Kienast, S. and S. E. Calvert (2010), Eastern Equatorial Pacific nitrogen isotope records (1st NICOPP workshop on sedimentary $\delta^{15}\text{N}$, Montreal, invited).
- Dubois, N.**, Kienast, M., Kienast, S. and R. Francois (2010), Opal burial in the Eastern Equatorial Pacific controlled by Si leakage and eolian dust inputs, Geophysical Research Abstracts, 12, EGU2010-152.

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- Dubois, N.**, Kienast, M., Kienast, S. and C. Normandeau, T. D., Herbert (2009), Glacial maximum to Holocene contrasts in the dynamics of the eastern equatorial Pacific, (abstract #2770, 43rd CMOS congress – Canadian Meteorological and Oceanographic Society).
- Hastings, K. A., Kienast, M., **Dubois, N.**, Normandeau, C., Bolliet, T., Holbourn, A. E. and C. E. Laj (2009), Organic biomarker records of terrigenous organic matter input to the Indonesian Archipelago, western equatorial Pacific, 0-160,000 years BP: Implications for regional climate, Eos Trans. AGU, 90(52), Fall Meet. Suppl., Abstract # PP13D-1443.
- Dubois, N.**, Kienast, M. and C. Normandeau (2008), A 100,000 Year History of N-S and E-W Gradients of Sea Surface Temperature Across the Equatorial Pacific From Alkenone Paleothermometry., Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract # PP22A-02 (oral presentation at the AGU meeting in San Francisco)
- Dubois, N.**, Kindler, P., Spezzaferri, S. and C. Coric (2007), The Initiation of the Southern Central Great Barrier Reef: Multiproxy Study on Periplatform Sediments From ODP Site 1195 on the Marion Plateau (NE Australia), Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract #PP32B-02 (oral presentation at the AGU meeting in San Francisco)
- Dubois, N.**, Kindler, P. and S. Spezzaferri (2007), Evidence for the initiation of the Great Barrier Reef in distal sediments from the Marion Plateau, NE Australia (oral presentation at the C-DOGS conference in Halifax)
- Meyer, N.**, Kindler, P. and S. Spezzaferri (2006), Evidence for the initiation of the Great Barrier Reef in Pleistocene sediments from the Marion Plateau, NE Australia (poster presented at the Swissed meeting in Fribourg).

INVITED TALKS

- 02.2019 « *Tracking our ancestors legacy in lake sediments* » SwissSed, Fribourg, Switzerland
- 10.2017 « *Auf der Spuren der Polynesier* » Treffpunkt Science City, ETH Zurich, Switzerland
- 09.2017 « *Seesedimente als Archive für Klimaveränderungen* », Vollenweider Lecture Series, Lucerne, Switzerland
- 02.2017 « *Palaolimnology : Examples from Europe* », Mindset Lecture, University of Nottingham, Kuala Lumpur, Malaysia
- 12.2016 « *Molecular fossils: tracers of anthropogenic and climatic impact on the paleoenvironment.* », Seminar, UniBern, Bern, Switzerland
- 10.2016 « *What lies beneath... Sediments and their untold stories*», Seminar, Eawag, Kastanienbaum, Switzerland
- 03.2015 « *Lacustrine sediments as archives of Early Human Impacts* », Seminar, ETH, Zurich, Switzerland
- 04.2014 « *Molecular Paleohydrology: Carbon, the unsung hero* »
Departmental Seminar, Laboratoire de Géologie de Lyon, France
- 06.2014 « *Paléohydrologie moléculaire: Le carbone, ce héros méconnu* »
Departmental Seminar, Université de Toulouse 2 le Mirail, France
- 02.2013 « *On the formation process of sedimentary proxy signatures* », Colloquium Eawag, Dübendorf, Switzerland,
- 11.2012 « *Atmospheric Bridge and Oceanic Tunnel: A multiproxy roadmap of the Eastern Equatorial Pacific during the last 100 kyr.* », Woods Hole Oceanographic Institution Climate and Paleo Lunch Seminar, Woods Hole, MA, USA
- 10.2011 « *The Pacific Cold Tongue during the last 100,000 years: An important cog of Earth's climate system.* », School of Earth, Atmospheric and Environmental Sciences Seminar, Manchester, UK
- 02.2011 « *The eastern equatorial Pacific during the last 100,000 years: Temperature, productivity, denitrification and high-latitude linkages* »
Sedimentologisches und paläoozeanographisches Seminar, ETH, Zurich, Switzerland