

## Dr. LICHT Alexis – Assistant Professor Sedimentary geologist & geochemist, paleoclimatologist

Centre de Recherche et d'Enseignement de Géosciences de l'Environnement (CEREGE), Aix-en-Provence, France  
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Born: June 18th, 1985, in Paris, France. 35 years old.

### RESEARCH INTERESTS

My research focuses on deciphering the links between **climate, geosphere, and biota** through the sedimentary record. I work at the interface of climate sciences, tectonics, and paleontology, in **deep time** (tens of millions of years), with sedimentological and geochemical proxies. Many of my projects focus on the Cenozoic period (66-2.5 million years ago) because it is a period of numerous and intense climatic events that proposes interesting analogues for the on-going climate changes -with impressive shifts in atmospheric concentration in carbon dioxide, ice sheet extent and global temperature. They all use **sedimentary geology, geochemistry, and geochronology** tools applied on continental rocks as proxies for **reconstructing past climates and landscapes**. My work includes a significant field component (up to three months a year in the field, logging and sampling sedimentary rocks) and a critical lab component (remaining part of the year, when not teaching). My projects are tightly linked to the work of other Earth science specialists –climate modelers, paleontologists, and paleomagnetists.

### SKILLS

<b>Sed. Geology</b>	<b>Fluvial Sedimentology</b> <b>Pedology</b> <b>Sedimentary Petrology</b> <b>Clay Mineralogy</b>
<b>Sed. Geochemistry</b>	<b>Geochronology (U-Pb, Sr and Nd isotopes)</b> through TL-, ICP- and LA-ICP- Mass Spectrometry <b>Stable and clumped isotopes geochemistry</b>
<b>Paleobotany</b>	<b>Paleoxyology</b> (fossil wood identification)
<b>Paleomagnetism</b>	<b>Paleointensity determination, field modeling</b>

### EDUCATION AND EMPLOYMENT

<b>October 2020– onwards</b>	<b>CNRS Research Scientist, Centre de Recherche et d'Enseignement de Géosciences de l'Environnement (CEREGE, Aix-en-Provence, France)</b> CNRS section 18 (Terre et planètes telluriques : structure, histoire, modèles. Institut national des sciences de l'univers).
<b>September 2016 – September 2020</b>	<b>Assistant Professor, Department of Earth and Space Sciences (ESS), University of Washington (UW) (Seattle, USA)</b> Head of the ESS heavy minerals separation lab, co-supervisor of a LA-ICP-MS platform for U-Pb dating, teaching sedimentary geology and paleobiology classes.
<b>September 2015 - August 2016</b>	<b>Marie Curie postdoctoral Fellow, Institut für Erd und Umweltwissenschaften (Potsdam Universität, Germany)</b> Postdoctoral position on Asian paleoclimates under the supervision of M. Strecker (Laureate of a 2-years Marie Curie fellowship)
<b>January 2015 – September 2015</b>	<b>Postdoc at the Biodiversity Institute, University of Kansas (Lawrence, USA)</b> Postdoctoral position on Eocene paleoclimatic & paleogeographic reconstructions under the supervision of K.C. Beard.
<b>January 2014 – December 2014</b>	<b>Postdoc at the Department of Geosciences, University of Arizona (Tucson, USA)</b> Postdoctoral position on Eocene paleoclimatic & paleoaltimetric reconstructions under the supervision of J. Quade. Laureate of a 1-year Fyssen Fondation study grant.
<b>September 2010 – November 2013</b>	<b>PhD student at the Institut de Paléontologie Humaine : Evolution et Paléoenvironnements (IPHEP, Poitiers, France) &amp; Centre de Recherches Pétrographiques et Géochimiques (CRPG, Nancy, France)</b> PhD Thesis « Paleodrainage, paleoenvironments and paleoclimate of the Burmese Eocene series: implications on the origin and the early evolution of Asian anthropoids ». Directors: J.J. Jaeger (IPHEP) & C. France-Lanord (CRPG).
<b>September to December 2009</b>	<b>Internship at Areva BU Mines (France, Mongolia)</b> Exploration campaign in the Gobi Desert (Mongolia), core logging and geochemical modeling of the uranium ore dynamics.
<b>January 2009 – July 2010</b>	<b>Research Internships at the Institut de Physique du Globe de Paris (IPGP, France)</b> Research study in archeomagnetism (ceramic samples dating, geomagnetic modeling), under the direction of Y. Gallet & G. Hulot.
<b>August 2008 - December 2009</b>	<b>Master's degree in Applied Engineering, Ecole des Mines de Paris (ENSM, France)</b> Majored in Geosciences, specialized in Geology.
<b>April to August 2008</b>	<b>Internship at Total SA (France, Canada)</b> Depositional modeling of the Mc Murray Formation (Alberta). Field trips in Alberta, Western Canada.
<b>August 2005 - December 2009</b>	<b>Master's Degree in Civil Engineering, Ecole Polytechnique (X, Palaiseau, France)</b> Majored in Physics, Applied Mathematics and Earth Sciences.
<b>September 2006 - June 2009</b>	<b>Bachelor's Degree in History</b> Study in parallel with the École Polytechnique curriculum, carried out at Paris X Nanterre.

### PAST PROFESSIONAL OFFICES / SERVICES / AWARDS

#### Current Duties

#### · Founder and PI of the Myanmar Paleoclimate and Geodynamics Research Group

Various duties including: managing a team of >15 international scientists, organizing field trips and outreach activities in Myanmar, managing scientific collaboration with Burmese authorities and academics, updating the team's website (<https://myapgr.blog/>).

#### · Services & Duties at the University of Washington (2016-2020)

##### · Co-manager of the Trace Element Lab

The lab includes two ICP-mass spectrometers and one laser acquired in Summer 2016 and is designed to provide trace element compositional and isotopic analyses of a broad type of material. Duties includes: managing machine use and maintenance, managing and mentoring one full time technician, designing and monitoring a cost-center budget, controlling data quality.

##### · Co-manager of ESS rock preparation labs

Various duties including: managing machine use and maintenance, user training, designing the rock prep website and writing tutorials (<http://rockprep.ess.washington.edu/>), controlling the cleaning and the safety of the rooms.

##### · Department colloquium organizer (Winter and Spring 2018)

##### · Member of the Graduate admission committee (2017), member of the Diversity Equity and Inclusion committee (2019-2020)

#### Teaching at the University of Washington (2016-2020)

**ESS 455 (Stratigraphy)** – Winter quarter 2017 and 2018

**ESS 456 (Sedimentary Geology and Depositional Environments)** – Spring Quarter 2017, 2018 and 2020

**BIOL 483 (Seminar in Paleobiology)** – Winter Quarter 2018, Spring 2020

**ESS 400a (Summer field camp)** – Summer Quarter 2018 and 2019

**ESS 213 (Evolution of the Earth)** – Spring 2019.

**ESS 490 (graduate-level seminar)** – multiple seminars on climate, tectonics, and sediment topics

## Offices and services Before 2016

- September 2010 - August 2013** - **Université de Poitiers (Poitiers, France)** – Teaching assistant  
Teaching in Paleoclimatology, Regional Geology of France, Earth Surface Dynamics and Cartography for three years.
- 2008 - 2011** **Scène-Expériences (Paris, France)**– Trainer in Communication  
Trainer in communication skills through theatre, consultant for banking and consulting groups.
- September 2008 - June 2009** **Lycée Lakanal (Sceaux, France)** – Oral examiner in Scientific preparatory classes  
Weekly oral examiner in Mathematics.
- Spring and Summer 2007** **Study Up (Paris, France)**– Learning support teacher for students in Scientific preparatory classes  
Teaching in Mathematics and Physics.
- June 2006 - December 2007** **X-MicroFinance (Palaiseau, France)**- President  
Founder and first president of X-MicroFinance, humanitarian association of development aid; Founder of a bank for poor people in Guatemala. Coordination of the activity of more than sixty volunteers and organization of national events.
- September 2005 - April 2006** **Military service (French Guyana, France)**– Officer  
Army officer: training at School of Saint-Cyr Coëtquidan, then platoon commander in Saint-Jean-du-Maroni (French Guyana).

## Awards

- May 2014** **Van Straelen award of the Société Géologique de France**  
Best PhD on Surface Geology in 2013.
- June 2000** **First prize of the “Géophiles” competition**  
National competition of Geography and Earth Sciences.

## INVITED TALKS

- **GeoMyanmar Conference**, Yangon, Myanmar (January 2020)
- **AGU Fall meeting**, San Francisco, USA (December 2019).
- **GSA PENROSE workshop CLAST**, Juneau, Alaska, USA (August 2019).
- **Western Washington University**, Bellingham, USA (February 2019).
- **University Aix-Marseille, CEREGE**, Aix-en-Provence, France (September 2018).
- **Louisiana State University**, Baton Rouge, USA (March 2018).
- **University of Lyon**, Lyon, France (December 2017).
- **University of Yangon**, Yangon, Myanmar (December 2016).
- **University of East Yangon**, Yangon, Myanmar (December 2016).
- **Biodiversität und Klima Forschungszentrum (Bik-F)**, Frankfurt, Germany (February 2016).
- **Universität Frankfurt**, Frankfurt, Germany (January 2016).
- **Geoforschungszentrum (GFZ)**, Potsdam, Germany (November 2015).
- **NSF Seminar the Colonization of Africa by Early Anthropoid Primates**, Santa Fe, USA (March 2015).
- **University of Arizona**, Tucson, USA (December 2014)
- **University of Kansas**, Lawrence, USA (September 2014)
- **University of Washington**, Seattle, USA (July 2014; April 2015)
- **Muséum National d'Histoire Naturelle**, Paris, France (June 2014)
- **Université de Rennes**, France (June 2014)
- **Laboratoire des Sciences du Climat et de L'environnement**, Saclay, France (June 2014)
- **Institut de Physique du Globe de Paris**, France (May 2014)
- **Université de Grenoble**, France (May 2014)
- **Utrecht Universiteit**, The Netherlands (November 2013)

## STUDENT ADVISEES AND COMMITTEE MEMBERSHIP at UW (2016-2020)

### Graduate students:

Megan Mueller, Virginia Littell (defended in December 2019)

### Undergraduate students and visiting students:

Lauren Burch, Kevin Jackson, Christopher Remilly, Kyle Lowery, Diana Parks, Dominic Jones, Mara Page, Andrea Hatsukami, Aida Rusman, Gui Aksit, Stokke Xu, Sam Shekut, Ian Spendlove, Chris Baird, Jon Rowe, Ashika Capirala, Arjali Manoj, Brenden Britt, Derek Pierce  
Li Sen (University of Geosciences Wuhan, China), Johanna Harle (ENS, France)

### Graduate student committee membership:

Megan Mueller, Virginia Littell, Paige Wilson, Brody Hovatter, Erin Williamson, Mikhail Echavari, Alex Lowe, Julia Kelson, Erik Goosmann, Susannah Morey

## RESEARCH GRANTS

### Awarded

#### June 2020 – May 2022

##### ANR-T (Tremplin) award

120 k€ to study Eocene primate biogeography.

#### April 2018 - December 2019

##### Royalty Research Fund (RRF) fellowship

35 k\$ to study the uplift history of the Cascade Mountain Range.

#### September 2015 -

##### Alexander von Humboldt Postdoctoral fellowship

2-years Postdoctoral fellowship –granted but declined because non cumulative with a Marie Curie postdoctoral fellowship.

#### September 2016

##### European Union Marie Curie Postdoctoral fellowship

2-years Postdoctoral fellowship (shortened to one year after moving to the US).

#### September 2016

##### Fyssen Foundation Postdoctoral fellowship

1-year Postdoctoral fellowship.

#### January to December 2014

##### AMX PhD fellowship

#### September 2010 –

3-years PhD fellowship from the Ecole polytechnique.

#### August 2013

## PUBLICATIONS

\*indicates students I advise at UW. \*indicates students from other institutes that I co-advise or mentor in the field.

### In review or revision:

- (43) F. Cong, J. Tian, F. Hao, A. Licht, Y. Liu & J. Eiler. A thermal pulse induced by a Permian mantle plume in the Tarim Basin, Southwest China: Constraints from clumped isotope thermometry and in-situ calcite U-Pb dating. *JGR*.
- (42) F. Poblete, G. Dupont-Nivet, A. Licht, D. van Hinsbergen, P. Roperch, M. Mihalynuk, S. Johnston, F. Guillocheau, G. Baby, F. Fluteau, C. Robin, T. Van der Linden, D. Ruiz, M. Baatsen. Global paleogeographic maps through the Greenhouse-Icehouse transition at 60, 40 and 20 Ma. *Earth Science Reviews*.
- (41) H. Ao, E.J. Rohling, R. Zhang, A.E. Holbourn, A.P. Roberts, J.B. Ladant, G. Dupont-Nivet, W. Kuhnt, Y. Xu, Q. Liu, Z. Liu, M.J. Dekkers, C.J. Poulsen, A. Licht, J.C. H. Chiang, X. Liu, G. Wu, C. Ma, W. Zhou, F. Wu, Z. Jin, X. Li, X. Peng, Q. Sun, P. Zhang, X. Qiang, Z. An. Global warming-induced continental-scale Asian hydroclimate transition across the Miocene-Pliocene boundary. *Nature Geoscience*.
- (40) N. Meijer\*, G. Dupont-Nivet, N. Barbolini, A. Wouters, A. Rohrmann, Y. Zhang, X.J. Liu, A. Licht, H.A. Abels, C. Hoorn, R. Tjallingii, C. Andermann, M. Dietze & N. Nowaczyk. Onset of Asian dust at 40 Ma. *Paleoceanography and Paleoclimatology*.

### Published:

- (39) J. Westerweel\*, A. Licht, N. Cogné, P. Roperch, G. Dupont-Nivet, Myat Kaithy\*, Hnin Hnin Swe\*, H: Huang, Zaw Win, Day Wa Aung. Eocene to Miocene northward motion of the Burma Terrane and its indentation in the Eastern Himalayas. *Tectonics* (in press).
- (38) S. Shekut\* & A. Licht. Late middle Miocene emersion of the Olympic Peninsula shown by sedimentary provenance. *Lithosphere* (in press).
- (37) H. Ao, G. Dupont-Nivet, E.J. Rohling, P. Zhang, J.-B. Ladant, A.P. Roberts, A. Licht, Q. Liu, Z. Liu, M.J. Dekkers, H.K. Coxall, Z. Jin, C. Huang, G. Xiao, C.J. Poulsen, N. Barbolini, N. Meijer\*, Q. Sun, X. Qiang, J. Ya & Z. An. Dynamics of the Eocene–Oligocene climate transition on the northeastern Tibetan Plateau. *Nature Communications* (in press).
- (36) N. Barbolini, A. Wouters, G. Dupont-Nivet, D. Silvestro, D. Tardif, P.M.C. Coster, N. Meijer, C. Chang, H.X. Zhang, A. Licht, C. Rydin, A. Koutsodendris, F. Han, A. Rohrmann, X.-J. Liu, Y. Zhang, Y. Donnadieu, F. Fluteau, J.-B. Ladant, G. Le Hir and C. Hoorn. Cenozoic evolution of the steppe-desert biome in Central Asia. *Science advances* (in press).
- (35) A. Licht, G. Dupont-Nivet, N. Meijer, J. Caves-Rugenstein, A. Schauer, J. Fiebig, A. Mulch, C. Hoorn, N. Barbolini & Z. Guo. Decline of soil respiration in NE Tibet through the fall into the Oligocene icehouse. *Paleo3* (in press).
- (34) A. Licht, Zaw Win, J. Westerweel\*, N. Cogné, C.K. Morley, S. Chantraprasert, F. Poblete, T. Ugrai, B. Nelson, Day Wa Aung and G. Dupont-Nivet. Magmatic history of central Myanmar and implications for the evolution of the Burma Terrane. *Gondwana Research* (in press).
- (33) K.C. Beard, G. Metais, F. Ocakoglu & A. Licht. An omomyid primate from the Pontide Microcontinent of north-central Anatolia: implications for sweepstakes dispersal of terrestrial mammals during the Eocene. *Geobios* (in press).
- (32) D. Tardif, F. Fluteau, Y. Donnadieu, G. Le Hir, J.-B. Ladant, A. Licht, F. Poblete, G. Dupont-Nivet, & P. Sepulchre (2020). The onset of Asian Monsoons: a modelling perspective. *Climate of the Past* 16 (3), 847-865.
- (31) H. Huang\*, R. Morley, A. Licht, G. Dupont-Nivet, F. Grimsson, R. Zetter, Zaw Win, Day Wa Aung & C. Hoorn. Eocene palms from central Myanmar in a SE Asian and global

perspective: Evidence from the palynological record. *Botanical Journal of the Linnean Society* (in press).

- (30) G. Xiao, Y. Sun, J. Yang, Q. Yin, G. Dupont-Nivet, A. Licht, A.E. Kehew, Y. Hu, J. Geng, Z. Wang, G. Dai, & Z. Wu (2020). Early Pleistocene integration of the Yellow River shown by detrital zircon provenance. *Palaeogeography, Palaeoclimatology, Palaeoecology* 109691.
- (29) M.D. Turzewski, K.W. Huntington, A. Licht & K. Lang. Provenance and erosional impact of Quaternary megafloods through the Yarlung-Tsangpo Gorge from zircon U-Pb geochronology of flood deposits, Eastern Himalaya (2020). *Earth and Planetary Science Letters* 535, 116113.
- (28) R. Leary, P. Umhoefer, M. Smith, T. Smith, J. Saylor, N. Riggs, G. Burr, E. Lodes, D. Foley, A. Licht, M. Mueller\* & C. Baird\* (2020). Provenance of Pennsylvanian-Permian sedimentary rocks associated with the Ancestral Rocky Mountains orogeny in southwestern Laurentia: implications for continental-scale Laurentian sediment transport systems. *Lithosphere* 12, 88-121.
- (27) M. Mueller\*, A. Licht, C. Campbell\*, F. Ocakoglu, M. Taylor, L. Burch\*, T. Ugrai, M. Kaya\*, B. Kurtoglu, P. Coster, G. Metais & K.C. Beard (2019). Collision chronology along the Izmir-Ankara-Erzincan suture zone: Insights from the Saricakaya Basin, western Anatolia. *Tectonics* 38 (10), 3652-3674.
- (26) J. Westerweel\*, P. Roperch, A. Licht, G. Dupont-Nivet, Zaw Win, F. Poblete, Hnin Hnin Swe\*, Myat Kaithy\*, Day Wa Aung (2019). Paleomagnetic data from the Burma Terrane (Myanmar) constrain the geodynamic evolution of the India-Asia collision. *Nature Geoscience* 12, 863-868.
- (25) F. Polette, A. Cincotta, D.J. Batten, P. Depuydt, A. Licht, D. Neraudeau, G. Garcia & X. Valentin (2019). Palynological assemblage from the lower Cenomanian plant-bearing Lagerstätte of Jaunay-Clan-Ormeau-Saint-Denis (Vienne, western France): stratigraphic and palaeoenvironmental implications. *Review of Palaeobotany and Palynology* 271, 104102.
- (24) W. Zhixiang, H. Chunju, A. Licht, R. Zhang & D.B. Kemp (2019). Middle to late Miocene eccentricity forcing on lake expansion in NE Tibet: implications for the evolution of the East Asian monsoon. *Geophysical Research Letters* 46, 6926-6935.
- (23) S. Botsyun, P. Sepulchre, Y. Donnadieu, C. Risi, A. Licht, & J.K. Caves (2019). Revisited Paleolimetry Data Show Low Tibetan Plateau Elevation during the Eocene. *Science* 363 (6430), eaq1436.
- (22) N. Meijer\*, G. Dupont-Nivet, H.A. Abels, M. Kaya\*, A. Licht, M. Xiao, Y. Zhang, P. Roperch, M. Poujol, Z. Lai & Z. Guo (2019). Central Asian moisture modulated by proto-Paratethys Sea incursions since the Early Eocene. *Earth and Planetary Science Letters* 510, 73-84.
- (21) M. Page\*, A. Licht, G. Dupont-Nivet, N. Meijer\*, A. Schauer, K. Huntington, D. Bajnai, J. Fiebig, A. Mulch, & Z. Guo (2019). Synchronous cooling and decline in monsoonal rainfall in NE Tibet through the fall into the Oligocene Icehouse. *Geology* 47 (3), 203-206.
- (20) A. Licht & L. Giosan (2019). The Ayeyarwady River. *Large Rivers*, 2nd edition (Book chapter, in press).
- (19) A. Licht, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, P. Roperch, D. Park\*, V. Littell\*, J. Westerweel, D. Jones\*, F. Poblete, Day Wa Aung, H. Huang, C. Hoorn, & Kyang Sein (2019). Paleogene evolution of the Burmese forearc basin and implications for the history of India-Asia convergence. *GSA Bulletin* 131 (5-6), 730-748.
- (18) F. Ocakoglu, A. Hakyemez, S. Acikalin, S. Altiner, Y. Buyukmeric, A. Licht, U. Tekin, H. Demircan, U. Safak, A. Yildiz, I. Yilmaz, M. Wagreich, C. Campbell (2019). Chronology of Subduction and Collision along the Izmir-Ankara Suture in Western Anatolia: records from the Central Sakarya Basin. *International Geology Review* 61, 1244-1269.
- (17) M.F. Jones, P. Coster, A. Licht, G. Metais, F. Ocakoglu, M. Taylor & K.C. Beard (2019). A stem bat (Chiroptera: Palaeochiropterygidae) from the late middle Eocene of northern Anatolia: Implications for the dispersal and paleobiology of early bats. *Paleobiodiversity and Palaeoenvironments* 99(2), 261-269.
- (16) G. Metais, P. Coster, J.R. Kappelman, A. Licht, F. Ocakoglu, M. Taylor, & K.C. Beard. (2018) Eocene metatherians from Anatolia illuminate the assembly of an island fauna during Deep Time. *Plos One* 11, e0206181.
- (15) W. Zhixiang, S. Yongjin, A. Licht & H. Chunju (2018). Sedimentology and magnetostratigraphy of the Middle Miocene Ashigong Formation, Guide Basin, China, and its implications for the tectonic and paleoclimatic evolution of NE Tibet. *Paleoceanography and Paleoclimatology* 33, 1066-1085.
- (14) M. De Los Santos\*, P. Copeland, T. Lawton, A. Licht & S. Hall (2018). Magnetostratigraphy, age and depositional environment of the Lobo Formation, southwest New Mexico: Implications for the Laramide orogeny in the southern Rocky Mountains. *Basin Research* 30 (S1), 401-423.
- (13) A. Licht, P. Coster, F. Ocakoglu, C. Campbell, G. Metais, A. Mulch, M. Taylor, J. Kappelman (2017). Tectono-stratigraphy of the Orhaniye Basin, Turkey: Implications for collision chronology and Paleogene biogeography of central Anatolia. *Journal of Asian Earth Sciences* 143, 45-58.
- (12) A. Licht, J. Quade, A. Kowler, M. De Los Santos, A. Hudson, A. Schauer, K. Huntington, P. Copeland & T. Lawton (2017). Impact of the North American monsoon on isotope paleolimetry: implications for the paleolimetry of the American Southwest. *American Journal of Science* 317, 1-23.
- (11) A. Licht, G. Dupont-Nivet, A. Pullen, P. Kapp, H.A. Abels, Z. Lai, Z. Guo, J. Abell & D. Giesler (2016). Resilience of the Asian atmospheric circulation shown by Paleogene dust provenance. *Nature Communications* 7, 12390.
- (10) A. Licht, A. Pullen, P. Kapp, J. Abell & D. Giesler (2016). Eolian cannibalism: Reworked loess and fluvial sediment as the main sources of the Chinese Loess Plateau. *Geological Society of America Bulletin*, B31375-1.
- (9) A. Licht, L. Reisberg, C. France-Lanord, Aung Naing Soe & J.J. Jaeger (2016). Cenozoic evolution of the central Myanmar drainage system: insights from sediment provenance in the Minbu Sub-Basin. *Basin Research* 28, 237-251.
- (8) A. Licht, A. Boura, D. De Franceschi, T. Utescher, Chit Sein, & J.J. Jaeger (2015). Late middle Eocene fossil wood of Myanmar: implications for the landscape and the climate of the Eocene Bengal Bay. *Review of Palaeobotany and Palynology* 216, 44-54.
- (7) A. Licht, M. van Cappelle, H. A. Abels, J.B. Ladant, J. Trabucho-Alexandre, C. France-Lanord, Y. Donnadieu, J. Vandenberghe, T. Rigaudier, C. Lécuycer, D. Terry Jr., R. Adriaens, A. Boura, Z. Guo, Aung Naing Soe, J. Quade, G. Dupont-Nivet & J.-J. Jaeger (2014). Asian monsoons in a late Eocene greenhouse world. *Nature* 513, 501-506.
- (6) X. Valentin, B. Gomez, V. Daviero-Gomez, S. Charbonnier, P. Ferchard, A.G. Kirejtshuke, A. Licht, D. Neraudeau, R. Vullo & G. Garcia (2014). Plant-dominated assemblage and invertebrates from the lower Cenomanian of Jaunay-Clan, south-western France. *Comptes Rendus Palévol* 13, 443-454.
- (5) A. Licht, I. Cojan, L. Caner, Aung Naing Soe, J.J. Jaeger & C. France-Lanord (2014). Role of permeability barriers in alluvial hydromorphic palaeosols: the Eocene Pondaung Formation, Myanmar. *Sedimentology* 61, 362-382.
- (4) A. Licht, A. Boura, D. De Franceschi, S. Ducrocq, Aung Naing Soe & J.J. Jaeger (2014). Fossil woods from the Late Middle Eocene Pondaung Formation, Myanmar. *Review of Palaeobotany and Palynology* 202, 29-46.
- (3) I.G. Usoskin, G. Hulot, R. Roth, A. Licht, F. Joos, G.A. Kovaltsov, E. Thebault & A. Khokhlov (2014). Evidence for distinct modes of solar activity. *Astronomy and Astrophysics* 562, L10.
- (2) A. Licht, C. France-Lanord, L. Reisberg, C. Fontaine, Aung Naing Soe & J.J. Jaeger (2013). A palaeo Tibet-Myanmar connection? Reconstructing the late Eocene drainage system of central Myanmar using a multi-proxy approach. *Journal of the Geological Society, London* 170, 929-939.
- (1) A. Licht, G. Hulot, Y. Gallet & E. Thebault (2013). Ensembles of low degree archeomagnetic field models for the past three millennia. *Physics of the Earth and Planetary Interiors* 224, 38-67.

## OTHER PUBLICATIONS

Articles in large-audience journals and books:

- A. Licht (2016). La mousson asiatique remonte à 40 millions d'années. in *Encyclopaedia Universalis 2016* (French edition), Encyclopaedia Britannica, Chicago U.S., 331-332.

International medias speaking about my scientific works:

- *The Economist*, *the Times of India*, *The Business Spectator*, *Pour La Science* (in French), *L'Est Republicain* (in French) (September 2014).
- *The International Business Time*, *Science Daily* (September 2016)
- *ScienceNews* (March 2019)

## PARTICIPATION IN INTERNATIONAL CONFERENCES

- **Organisation committee member** of the 2020 American Quaternary Association conference meeting, Seattle (USA; June 2020).
- **Co-convenor** of the 2016, 2017, 2018, and 2019 scientific sessions on the Asian Monsoons at the European Geosciences Union conference meeting in Vienna.
- **Co-convenor** of the 2018 scientific session on the Irrawaddy River at the American Geophysical Union conference meeting in Washington DC.
- **Main convenor** of the 2017 scientific session on the Cenozoic paleoclimates and Ecosystem at the Geological Society of America conference meeting in Seattle.
- **Organisation committee member** of the 2016 Basin Geology symposium of the Turkish association of Sedimentology, Eskisehir (Turkey; September 2016).
- A. Manoj, A. Lowe, A. Licht, I. Spendlove, M. Mueller, K.C. Beard. A Paleobotanical Perspective on the Middle to Late Paleocene in Central Wyoming. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- N. Gentis, A. Licht, A. Boura, D. De Franceschi, Zaw Win, Day Wa Aung, G. Dupont-Nivet, Fossil woods from the middle Miocene of Myanmar: implications for the evolution of Dipterocarpaceae. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- J.K. Caves-Rugenstein, A. Winkler, S.H. Kramer, T. Kukla, D.E. Ibarra, A. Licht, P. Chamberlain, Exceptional greening of mid-latitude ecosystems during Cenozoic warm intervals. *Midcontinent Paleobotany 2020 Symposium*, online (oral, May 2020)
- N. Meijer, G. Dupont-Nivet, A. Licht, P. Roperch, A. Rohrmann, A. Woutersen, C. Hoorn, N. Barbolini, A. Sun, H.A. Abels, H. Meyer, N. Nowaczyk. Intensified hydrological cycle during the Early Eocene Climatic Optimum (EECO) recorded in the Xining Basin, NE Tibet. *Egu 2020 Meeting*, online (oral, May 2019).
- G. Dupont-Nivet, N. Meijer, M. Kaya, J. Westerweel, D. Tardif, N. Barbolini, A. Rohrmann, J. Aminov, D. Ruiz, A. Woutersen, H. Huang, F. Poblete, A. Licht, P. Roperch, C. Hoorn, J.N. Proust, F. Fluteau, Y. Donnadieu & S. Guillot. Asian paleoenvironments, paleogeography and paleobiodiversity interactions during the Greenhouse-Icehouse transition. *Egu 2020 Meeting*, online (oral, May 2019).
- P. Ballato, A. Licht, K. Huntington, A. Schauer, A. Mulch, G. Heidarzadeh, M. Paknia, J. Hassanzadeh, M. Mattei, M. Ghassemi, and M. Strecker Constraints on the Timing of Surface Uplift of the Iranian Plateau (Arabia-Eurasian Collision Zone) from Clumped Isotope Thermometry on Pedogenic Carbonates. *Egu 2020 Meeting*, online (oral, May 2019).
- J. Westerweel, P. Roperch, A. Licht, G. Dupont-Nivet, Zaw Win, F. Poblete, H. Huang, Hnin Hnin Swe, Myat Kaithy, C. Hoorn, Day Wa Aung. India-Asia collision paleogeography constrained by Burma Terrane (Myanmar) Late Cretaceous to Miocene paleomagnetic data. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- M. Mueller, A. Licht, F. Ocakoglu, C. Campbell, M. Kaya, B. Kurtoglu, G. Aksit, M. Taylor, G. Metais, P. Coster, K.C. Beard. Western Anatolian Record of Subduction Initiation through Collision. *Egu 2020 Meeting*, online (oral, May 2019).
- Campbell, C., Taylor, M. H., Ocakoglu, F., Licht, A., Mueller, M., & Andreas, M. Ö. Structural and Sedimentological evolution of the Çankiri Basin: Implications for Early-Middle Miocene Plateau Development During Protracted Paleogene Intercontinental Collision in Central Anatolia (Turkey). *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- A. Licht, G. Dupont-Nivet, J. Westerweel, P. Roperch, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T. Ugrai, V. Littell, Day Wa Aung, H. Huang, C. Hoorn. Four years of research in the Burmese forearc Basin with the MyaPGR group: insights on the Eocene of Myanmar. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (invited talk, January 2020).
- J. Westerweel, A. Licht, N. Cogne, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, Day Wa Aung, H. Huang, C. Hoorn. Cenozoic deformation history of the Burma Terrane constrained by the sedimentary record of the Chindwin Basin. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (oral, January 2020).
- P. Roperch, J. Westerweel, A. Licht, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T. Ugrai, V. Littell, Day Wa Aung, H. Huang, C. Hoorn. The India-Asia collision seen from Myanmar. *GeoMyanmar 2020 conference meeting*, Yangon, Myanmar (oral, January 2020).

- Tardif, D., Fluteau, F., Donnadieu, Y., Le Hir, G. J., Ladant, J. B., Poblete, F., ... & **Licht, A.** New insights about the Late Eocene monsoon-like atmospheric circulation using the IPSL Earth System Model: what is certain, less certain and very uncertain! *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- **Licht, A.**, Botsyun, S., Littell, V., Sepulchre, P., Donnadieu, Y., Risi, C., ... & Nivet, G. D. Is Tibetan Plateau uplift more recent than we thought? *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Ballato, P., **Licht, A.**, Huntington, K. W., Schauer, A. J., Mulch, A., Heidarzadeh, G., ... & Strecker, M. Constraints on the Timing of Surface Uplift of the Iranian Plateau (Arabia-Eurasian Collision Zone) from Clumped Isotope Thermometry of Early Miocene to Quaternary Lacustrine and Pedogenic Carbonates. *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Shekut, S., & **Licht, A.** Middle Miocene uplift of the Olympic Mountains, Washington State, shown by sedimentary provenance. *AGU Fall Meeting*, San Francisco, USA (oral, December 2019).
- Métais G., Beard K.C., Ocakoglu F., Coster P.M.C., **Licht A.**, Mattingly S.G., Wood M. & Sanders W.J. Connecting Anatolia to Asia and the end of a Tethyan island paradise. *PalEurafrica conference meeting*, Brussels, Belgium (oral, September 2019).
- Beard C., Métais G., Ocakoglu F., Coster P., **Licht A.**, Sanisidro O., Mattingly S., Wood M. & Sanders W. Splendid isolation of middle Eocene mammals on the Pontide terrane (central Anatolia): genesis of a Tethyan island paradise. *PalEurafrica conference meeting*, Brussels, Belgium (oral, September 2019).
- G. Dupont-Nivet, Neijer, N., Kaya, M., Tardif, D., Li, L., **Licht, A.**, Barbolini, N., Rohrmann, A., Aminov, J., Poblete, F., Roperch, P., Hoorn, C., Prout, J.N., Fluteau, F., Donnadieu, Y. Monsoons vs. westerlies during Tibetan Plateau growth and greenhouse-icehouse transition. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- C. Campbell, Taylor, M., Ocakoglu, F., **Licht, A.**, Mueller, M., and Moller, A. Did the central Anatolian Cankiri Basin form as a result of an Oligo-Miocene Rayleigh-Taylor instability? implications for early Miocene plateau development in central Anatolia. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- Li Sen, **Licht, A.**, Huntington, K., Schauer, A. A revised methodology to acquire stable and clumped isotopic compositions from calcite-dolomite mixtures: case study investigating eocene diagenesis in the Bohai Bay Basin, China. *GSA 2019 Meeting*, Phoenix, USA (poster, September 2019)
- K. Huntington, Turzewski, M., Lang, K., **Licht, A.**, Feathers, J., Montgomery, D. the detrital record of quaternary megafloods through the Tsangpo Gorge, Rastern Himalaya. *GSA 2019 Meeting*, Phoenix, USA (oral, September 2019)
- Gentis, N. Boura, A. & **Licht, A.** Fossil wood from the Miocene of Myanmar: application to the reconstruction of monsoonal paleoenvironments. *Agora Paleobotanica conference meeting*, Lille, France (Oral, July 2019)
- H. Huang, R. Morley, A. **Licht**, G. Dupont-Nivet, F. Grímsson, R. Zetter, J. Westerweel, Zaw Win, C. Hoorn. What can palm pollen tell us about abiotic changes in the late Eocene delta of the Central Myanmar Basin? *EUNOPS XIX –Annual Meeting of the European Network of Palm Scientists* Paris, France (Oral, May 2019).
- S. Shekut & **A. Licht**. Investigating the uplift chronology of the Olympic Mountains with sedimentary provenance proxies. *GSA Cordilleran section conference meeting*, Portland, USA (poster, May 2019).
- **A. Licht**, J. Westerweel, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T., Ugrai, F. Poblete, Day Wa Aung. The Burma Platelet in Southeast Asia; A Cenozoic analogue for the Baja-BC coastwise translations. *GSA Cordilleran section conference meeting*, Portland, USA (oral, May 2019)
- G. Xiao, Y. Sun, J., Yang, Q. Yin, G. Dupont-Nivet, **A. Licht**, A. Kehew, Q. Xu, Y. Hu, J. Geng, Z. Wang, G. Dai, & Z. Wu. Yellow River integration linked to Pleistocene increased climate instability. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- G. Dupont-Nivet, M. Page, **A. Licht**, N. Meijer, N. Barbolini, A. Woutersen, C. Hoorn, D. Tardif, G. LeHir, F. Fluteau, A. Toumoulin, Y. Donnadieu, A. Schauer, K. Huntington, J. Fiebig, A. Mulch, & Z. Guo. Cooling, vegetation shift and decline in monsoonal rainfall in NE Tibet through the greenhouse to icehouse transition. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- J. Westerweel, P. Roperch, **A. Licht**, Zaw Win, F. Poblete, G. Ruffet, Hnin Hnin Swe, Myat Kaithy, Day Wa Aung. The Burma Terrane (Myanmar) as part of a Trans-Tethyan island arc: Evidence from paleomagnetism and geochronology. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- N. Meijer, G. Dupont-Nivet, H. Abels, **A. Licht**, C. Andermann, N. Barbolini, A. Woutersen, A. Rohrmann, N. Nowaczyk, X. Liu, A. Sakuma, R. Tada, D. Tardif, F. Fluteau, G. Le Hir, and Y. Donnadieu. Central Asian aridification at ~40 Ma revealed by an Eocene dust record, Xining Basin, NE Tibet. *Egu 2019 Meeting*, Vienna, Austria (oral, April 2019)
- Z. Wang, Y. Chen, **A. Licht** & C. Huang. Cyclostratigraphy and magnetostratigraphy of the Middle Miocene Ashigong Formation, Guide Basin, China, and its implications for the paleoclimatic evolution of NE Tibet. *Egu 2019 Meeting*, Vienna, Austria (poster, April 2019)
- M. Mueller, **A. Licht**, C. Campbell, F. Ocakoglu, M. Taylor, L. Burch, P. Coster, T. Ugrai, M. Kaya, B. Kurtoglu, G. Métais, and K.C. Beard. Post-Collisional Deformation of the Anatolian Orogeny, Turkey: Insights from Geochronology and Sedimentology of the Saricakaya Basin, Western Anatolia. *AGU 2018 Conference meeting*, Washington DC, USA (Poster, December 2018).
- **A. Licht**, J. Westerweel, P. Roperch, G. Dupont-Nivet, Zaw Win, Hnin Hnin Swe, Myat Kaithy, T., Ugrai, V. Littell, D. Park, D. Jones, F. Poblete, Day Wa Aung, H. Huang, C. Hoorn, & Kyaing Sein. Lateral translation of the Burma Platelet since the late Cretaceous: An Asian analogue for the Baja-BC hypothesis? *AGU 2018 Conference meeting*, Washington DC, USA (Oral, December 2018).
- J.K. Caves Rugenstein, Kramer S., Ibarra D., **Licht A.**, & Chamberlain P. Geologic Constraints on Hydroclimate Sensitivity from Paleosol Carbonate Stable Isotopes. *AGU 2018 Conference meeting*, Washington DC, USA (Oral, December 2018).
- Poblete, F., Dupont-Nivet G., **Licht A.**, van Hinsbergen D., Roperch P., Guillocheau F., Baby G., Baatsen M., Mapas paleogeográficos a escala global durante el Cenozoico: implicancias para la transición Eoceno-Oligoceno. *XV chillean geological congress*, Concepcion, Chile (Poster, November 2018).
- Dupont-Nivet G, Meijer N, Kaya M, Westerweel J, Tardif D, Barbolini N, Rohrmann A, Aminov J, **Licht A**, Poblete F, Roperch P, Hoorn C, Proust JN, Fluteau F, Donnadieu Y, Guillot S, Guo Z, Aung D. Paleogeographic and paleoenvironmental reconstructions of the India-Asia collision. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- **A. Licht**, Dupont Nivet G, Win Z, Kaythi M, Swe H, Roperch P, Ugrai T, Littell V, Park D, Westerweel J, Jones D, Poblete F, Wa Aung D, Huang H, Hoorn C, Sein K. Cenozoic evolution of the Burmese subduction margin and implications for the history of India-Asia convergence. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- Westerweel J, Roperch P, **Licht A**, Dupont-Nivet G, Win Z, Poblete F, Huang H, Littell V, Swe H, Kai Thi M, Hoorn C, Wa Aung D. First paleomagnetic constraints on the latitudinal displacement of the West Burma block. *HKT conference meeting*, Lausanne, Switzerland (Poster, September 2018).
- H. Huang, **A. Licht**, R. Morley, G. Dupont-Nivet, Zaw Win, J. Westerweel, V. Littell, Hnin Hnin Swe, Myat Kaithy, Day Wa Aung, P. Roperch, F. Poblete, Kyaing Sein, P. Jardine, A. Philip, and C. Hoorn. Eocene – Oligocene palynology of the Central Myanmar Basin corroborates monsoonal conditions in south-east Asia. *EPPC 2018 Meeting*, Dublin, Ireland (Poster, August 2018).
- J. Westerweel, P. Roperch, **A. Licht**, G. Dupont-Nivet, Zaw Win, F. Poblete, H. Huang, V. Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung. First Paleomagnetic Constraints on the Latitudinal Displacement of the West Burma Block. *Castle 2018 meeting*, Chęciny, Poland (oral, June 2018).
- N. Barbolini, G. Dupont-Nivet, H. Ao, N. Meijer, **A. Licht**, C. Hoorn. Acute Asian cooling across the Eocene–Oligocene transition evidenced by ecosystem restructuring on the Tibetan Plateau. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- J.K. Caves Rugenstein, S.H. Kramer, D.E. Ibarra, **A. Licht**, C.P. Chamberlain. Carbon Isotope Evidence for Changes in Cenozoic Mid-Latitude Primary Productivity and Water Use Efficiency. *Egu 2018 Meeting*, Vienna, Austria (oral, April 2018)
- C. Campbell, M. Taylor, **A. Licht**, M.A. Mueller, A. Moller, F. Ocakoglu, G. Métais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *AGU 2017 meeting*, New Orleans, USA (oral, December 2017).
- P. Roperch, **A. Licht**, G. Dupont-Nivet, Zaw Win, F. Poblete, Day Wa Aung, J. Westerweel, Hnin Hnin Swe, Myat Kay Thi. First paleomagnetic constraints on the latitudinal displacement of the west Burma Block. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- C. Campbell, M. Taylor, **A. Licht**, M.A. Mueller, A. Moller, N. McLean, F. Ocakoglu, P. Coster, G. Métais, K.C. Beard. Tectonic evolution of the Izmir Ankara Suture Zone in northwest Turkey using zircon U-Pb geochronology and zircon Lu-Hf isotopic tracers. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- M. Turzewski, K.W. Huntington, and **A. Licht**. The role of megafloods in shaping the eastern Himalayan syntaxis: insights from the sedimentary provenance of slackwater flood deposits in northeastern India. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- K.C. Beard, G. Métais, P. Coster, F. Ocakoglu, **A. Licht**, and M. Taylor. Assembly of an endemic island biota on the Eocene Pontide terrane (northern Anatolia): paleogeographic and paleoclimatic implications. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- **A. Licht**, M. Page, N. Meijer, A.J. Schauer, D. Bajnai, J. Fiebig, A. Mulch, K.W. Huntington, H. Abels, Z. Guo, Z. Lai, G. Dupont-Nivet. Paleogene desertification of central Asia seen through the paleosol record: a tale of clumped isotopes and soil paleobarometry. *GSA 2017 meeting*, Seattle, USA (oral, October 2017).
- **A. Licht**, G. Dupont-Nivet, Zaw Win, Virginia Littell, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Onset of Indian oblique convergence along the Burmese subduction margin recorded in Upper Eocene sedimentary deposits of central Myanmar. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- V. Littell, **A. Licht**, G. Dupont-Nivet, Zaw Win, A.J. Schauer, Hnin Hnin Swe, Myat Kay Thi, Day Wa Aung, P. Roperch, F. Poblete, H. Huang, C. Hoorn, and Kyaing Sein. Paleoclimatic reconstruction of Late Eocene Myanmar via stable isotope proxies. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- M.A. Mueller, **A. Licht**, C. Campbell, F. Ocakoglu, M. Taylor, L. Burch, P. Coster, G. Métais, and K.C. Beard. Chronology of Suturing and post-collisional deformation of the Anatolian orogeny, Turkey: Insights from geochronology and sedimentology of the Saricakaya Basin, Western Anatolia. *GSA 2017 meeting*, Seattle, USA (Poster, October 2017).
- K.C. Beard, G. Métais, **A. Licht**, P. Coster, F. Ocakoglu, J. Kappelman & M. Taylor. Dispersal of early haplorhine primates by rafting across Tethys: Discovery of an Eocene omymyd from northern Anatolia. *American Association of Physical Anthropologists 2017 Meeting*, New Orleans, USA (oral, April 2017)
- F. Poblete, G. Dupont-Nivet, **A. Licht**, F. Guillocheau & G. Baby. Preliminary global paleogeographic maps through the Greenhouse-Icehouse transition: forcing of the Drake Passage and Asian Monsoons. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- N. Meijer, R. Tjallingii, M. Kaya, **A. Licht**, H. Abels, Y. Zhang, Z. Guo, Z. Lai & G. Dupont-Nivet. Astronomical forcing of Eocene monsoons in terrestrial sediments of the northeastern Tibetan Plateau. *Egu 2017 Meeting*, Vienna, Austria (poster, April 2017)
- S. Botsyun, P. Sepulchre, Y. Donnadieu, C. Risi, J.K. Caves, & **A. Licht**. Modeling the response of precipitation oxygen stable isotopes to the Eocene climate changes over Asia. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- G. Dupont-Nivet, **A. Licht**, A. Bernard, P. Roperch, Zaw Win, J.-J. Jaeger, Day Wa Aung, Myat Kaithy, Hnin Hnin Swe, & F. Poblete. Late Eocene Myanmar tectonics constrained by magnetostratigraphy of the Yaw Formation, Chindwin Basin, Kalewa. *Egu 2017 Meeting*, Vienna, Austria (oral, April 2017)
- K.C. Beard, G. Métais, P. Coster, F. Ocakoglu, **A. Licht** & M. Taylor. Tethyan island biogeography during the Eocene: a view from northern Anatolia. *SVP 2016 Meeting*, Salt Lake City, USA (oral, October 2016)
- **A. Licht**, A. Pullen, P. Kapp, J. Abell and D. Giesler. Reworked loess and Yellow River sediment as the main sources of the Chinese Loess Plateau. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- **A. Licht**, G. Dupont-Nivet, A. Pullen, P. Kapp, H. Abels, J. Abell and D. Giesler. Resilience of Asian Atmospheric circulation revealed by Paleogene dust provenance. *EGU 2016 meeting*, Vienna, Australia (poster, April 2016)
- **A. Licht**, A. Pullen, P. Kapp, R. Adrians, H. Abels, M. van Kappelle, J. Vandenberghe and G. Dupont-Nivet. Asian Winter monsoons in the Eocene: Evidence from the aeolian dust series of the Xining Basin. *AGU 47th Fall meeting*, San Francisco, USA (poster, December 2014)
- **A. Licht**, J.B. Ladant, C. France-Lanord, Y. Donnadieu, C. Lécuyer, A. Boura, D. de Franceschi and J.J. Jaeger. Modern-like Indian monsoons in the Eocene: Evidence from the Sedimentary series of Myanmar. *Geological Society of America 2014 meeting*, Vancouver, Canada (oral, October 2014)
- **A. Licht**, I. Cojan, L. Caner, J.-J. Jaeger & C. France-Lanord. Vers l'élaboration d'un modèle général de variation latérale pédologique dans les dépôts alluviaux, outil stratigraphique

- pour les séries fluviatiles. *14<sup>ème</sup> congrès français de Sédimentologie*, Paris, France (oral, November 2013)
- **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. Ensembles of low degree archeomagnetic field models for the past three millennia. *International Association of Geomagnetism and Aeronomy 12<sup>th</sup> Scientific Assembly*, Merida, Mexico (poster, August 2013)
  - A. Boura, **A. Licht** and D. De Franceschi. The Oldest Paleo-Sal Forest? Reconstruction of Myanmar Eocene vegetation. *2<sup>nd</sup> International Conference of Agora Paleobotanica*, Arino, Spain (oral, July 2013)
  - **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. A\_FM, ASD\_FM et ASDI\_FM, une nouvelle famille de modèles de champ archéomagnétique. *Colloquium of the French paleomagnetists - Paléomagnétisme en France: résultats récents et perspectives*, Paris, France (oral, March 2013)
  - **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleoenvironments of the Burmese Paleogene primates: the late Middle Eocene Pondaung Formation, Myanmar. *2<sup>nd</sup> Southeast Asian Gateway Evolution Meeting*, Berlin, Germany (oral, March 2013)
  - **A. Licht**, C. France-Lanord, C. Fontaine, Chit Sein, Aung Naing Soe & J.J. Jaeger. Sediment provenance of the Central Myanmar Eocene drainage system: a multi-proxy approach. *AGU 45<sup>th</sup> Fall meeting*, San Francisco, USA (poster, December 2012)
  - **A. Licht**, C. France-Lanord, I. Cojan, Aung Naing Soe & J.-J. Jaeger. Evolution of the depositional systems of central Myanmar: setting apart climatic, tectonic and drainage changes. *1st colloquium of French Chinese International laboratory on Sediment transport And Landscape DYNamics*, Paris, France (poster, November 2012).
  - **A. Licht**, I. Cojan, L. Caner, J.J. Jaeger & C. France-Lanord. Paleosol-landscape associations in alluvial deposits: the Late Middle Eocene Pondaung Formation, Myanmar. *International Association of Sedimentologist, 29<sup>th</sup> Meeting of Sedimentology*, Schladming, Austria (poster, September 2012)
  - **A. Licht**, G. Hulot, Y. Gallet & E. Thebault. On the relevance of alternative low degree archeomagnetic field models. *AGU 44<sup>th</sup> Fall meeting*, San Francisco, USA (poster, December 2011)

## OTHER ACADEMIC ACTIVITIES

**Reviewer for peer-reviewed journals:** *Nature*, *Science*, *Nature Communications*, *GSA Bulletin*, *Earth and Planetary Science Letters*, *Geology*, *Tectonics*, *Journal of Asian Earth Sciences*, *Geophysical Research Letters*, *Geochemistry Geophysics Geosystems*, *Palaeogeography Palaeoclimatology Palaeoecology*, *Climate of the Past*.

**Reviewer for funding agencies and institutes:** CNRS-system (France), Société Géologique de France (France), DFG (Germany), NSF (USA).