

**LIST OF PUBLICATIONS**  
**PIETER A. VAN DER BEEK**

**TEXTBOOK**

1. Braun, J., van der Beek, P.A. & Batt, G.E., *Quantitative Thermochronology*, Cambridge University Press, 258 pp, 2006.

**REFEREED JOURNALS<sup>1</sup>**

**Manuscripts in review**

1. Erdős, Z.\*, R.S. Huismans, P.A van der Beek, Control of increased sedimentation on orogenic fold-and-thrust belt structure - Insights into the evolution of the Western Alps, *Solid Earth*, in review.
2. Ghazoui, Z.\*, S. Bertrand, K. Vanneste, Y. Yokoyama, J. Nomade, A.P. Gajurel, P.A. van der Beek, Large post-1505 AD earthquakes in western Nepal revealed by lake sediments, *Nature Communications*, in review.
3. Lenard, S.J.P., C. Gautheron, P.G. Valla, B. Bingen, P.A. van der Beek, N. Loget, S. Schwartz, R. Pinna-Jamme, Pre-Quaternary glacial carving of Scandinavian fjords revealed by thermochronometry, *Earth and Planetary Science Letters*, in review.
4. Replumaz, A., M. San José, C. Gautheron, A. Margirier, P.A. van der Beek, P.H. Le Loup, C. Kai, G. Wang, Y.-Z. Zhang, P. Valla, M. Balvay, Q. Tritant, Rapid Quaternary incision of the Mekong River, Southeast Tibetan Plateau, *Geology*, in review.
5. Rolland, Y., M. Bernet, P.A. van der Beek, C. Gautheron, G. Duclaux, J. Bascou, M. Balvay, L. Héraudet, C. Sue, R.-P. Ménot, Late Paleozoic Ice Age glaciers shaped East Antarctica landscape, *Earth and Planetary Science Letters*, in review.

**Manuscripts in press**

6. Govin, G.\*, Y. Najman, G. Dupont-Nivet, I. Millar, P.A. van der Beek, P. Huyghe, P. O'Sullivan, C. Mark, N. Vögeli, in press, The tectonics and paleo-drainage of the easternmost Himalaya (Arunachal Pradesh, India) recorded in the Siwalik rocks of the foreland basin, *American Journal of Science*.
7. Ketcham, R.A., P.A. van der Beek, J. Barbarand, M. Bernet, C. Gautheron, in press, Reproducibility of thermal history reconstruction from apatite fission-track and (U-Th)/He data, *Geochemistry, Geophysics, Geosystems*, 19, doi: 10.1029/2018GC007555.

**Published papers**

8. Abrahami, R.\*, P. Huyghe, P.A. van der Beek, S. Lowick, J. Carcaillet, T. Chakraborty, 2018, Formation and abandonment of the Tista megafan (West Bengal, India): <sup>10</sup>Be cosmogenic and IRSL age constraints, *Quaternary Science Reviews*, 185, 69-90, doi: 10.1016/j.quascirev.2018.02.001.
9. Braun, J., L. Gemignani\*, P.A van der Beek, 2018, Extracting information on the spatial variability in erosion rate stored in detrital cooling age distributions in river sands, *Earth Surface Dynamics*, 6, 257–270, doi: 10.5194/esurf-6-257-2018.
10. Gemignani, L.\*, P.A van der Beek, J. Braun, Y. Najman, M. Bernet, E. Garzanti, J.R. Wijbrans, 2018, Downstream evolution of the thermochronologic age signal in the Brahmaputra catchment (eastern Himalaya): implications for the detrital record of erosion, *Earth and Planetary Science Letters*, 499, 48-61, doi: 10.1016/j.epsl.2018.07.019.
11. Govin, G.\*, Y. Najman, A. Copley, I. Millar, P.A. van der Beek, P. Huyghe, D. Grujic, J. Davenport, 2018, Timing and mechanism of the rise of the Shillong Plateau in the Himalayan foreland, *Geology*, 46, 279-282, doi: 10.1130/G39864.1.

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<sup>1</sup> \* indicates a PhD student advised by me ; # a post-doc.

12. Schildgen, T.S., P.A. van der Beek, H.D. Sinclair, R.C. Thiede, 2018, Spatial correlation bias in thermochronologically derived late Cenozoic erosion histories, *Nature*, 559, 89–93, doi: 10.1038/s41586-018-0260-6.
13. Schildgen, T.S., P.A. van der Beek, The application of low-temperature thermochronology to the geomorphology of orogenic systems, in: *Fission-track Thermochronology and its Application to Geology*, M.G. Malusà and P.G. Fitzgerald (Eds.), Springer, Boston MA, pp. 335-350.
14. van der Beek, P.A., 2018, Mountain relief, climate, and surface processes, in *Mountains, Climate, and Biodiversity*, C. Hoorn, A. Perrigo and A. Antonelli (Eds.), Wiley, Hoboken NJ, pp. 51-68.
15. Vögeli, N.\*, Huyghe, P., van der Beek, P.A., Najman, Y., Garzanti, E., Chauvel, C., 2018, Weathering regime in the Eastern Himalaya since the mid-Miocene: Indications from detrital geochemistry and clay mineralogy of the Kameng River Section, Arunachal Pradesh, India, *Basin Research*, 30, 59-74, doi: 10.1111/br.12242.
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#### CONFERENCE PRESENTATIONS (as presenting author only)

1. P.A. van der Beek, Segmentation of the Himalayan megathrust on different spatial and temporal scales: a view from geomorphology and thermochronology, EGU General Assembly, Vienna (Austria), 9–13 April 2018 (**sollicited**).
2. G. Govin, P.A. van der Beek, Y. Najman, I. Millar, M. Bernet, L. Gemignani, P. Huyghe, J. Wijbrans, G. Dupont-Nivet, Onset of rapid exhumation in the Namche Barwa syntaxis constrained by detrital thermochronology, American Geophysical Union Fall Meeting, New Orleans, USA, 11-15 December 2017.
3. P.A. van der Beek, R. Abrahami, P. Huyghe, T. Chakraborty, Controls on the formation and abandonment of the Tista Megafan (West Bengal, India), a major transient sediment trap in the Himalayan source to sink system, 9<sup>th</sup> International Conference on Geomorphology, Delhi (India), 6-11 November 2017 (**keynote**).
4. P.A. van der Beek, T. Schildgen, Late-Cainozoic climate change, erosion rates, and relief of mountain belts, 4<sup>th</sup> Central European Geomorphology Conference, Bayreuth (Germany), 9-13 October 2017 (**keynote**).
5. P.A. van der Beek, M. Mouchen , R. Abrahami, A Tale of Two Megafans: Controls on the formation and abandonment of the Tista (West Bengal, India) and Lannemezan (northern Pyrenean foreland, France) megafans, and their role as transient Sediment traps in Source to Sink systems, SEPM Research Conference: Propagation of Environmental Signals within Source-to-Sink Stratigraphy, Ainsa (Spain), 5-9 June 2017.
6. P.A. van der Beek, Tectonic and climatic controls on mountain belt evolution: examples from the Himalaya and from Iran, TRIGGER International Conference, Tehran (Iran), 6-7 May 2017 (**keynote**).
7. P.A. van der Beek, T. Schildgen, Climatically controlled increase in Quaternary erosion rates: An exploration of real and perceived biases from thermochronology data, EGU General Assembly, Vienna (Austria), 23–28 April 2017 (**sollicited**).
8. P.A. van der Beek, D. Bandou, F. Herman, P. Valla, H. Serra, A New Look at the Links Between Tectonics, Climate, Relief and Erosion, American Geophysical Union Fall Meeting, San Francisco, USA, 12-16 December 2016.
9. P.A. van der Beek, D. Bandou, F. Herman, P. Valla, H. Serra, Tectonics, Climate, Relief and Erosion: disentangling driving forces within a complex system, Source to Sink: A Long Term Perspective of Sediment Budgets and Sources Characterization, Rennes, France, 30 November-2 December 2016.
10. P.A. van der Beek, C. Litty, M. Baudin, J. Mercier, X. Robert, E. Hardwick, Contrasting tectonically-driven exhumation and incision patterns, western versus central Nepal Himalaya, 2016 Himalayan-Karakorum-Tibet Workshop, Aussois, France, 9-12 May 2016.
11. P.A. van der Beek, J. Mercier, J. Braun, Tectonic Controls on Along-Strike Topographic and Structural Variations in the Himalaya: a Numerical Modeling Study, American Geophysical Union Fall Meeting, San Francisco, USA, 14-18 December 2015 (**invited**).
12. P.A. van der Beek, Tectonics, Climate, Relief and Erosion: disentangling driving forces within a complex system, GeoBerlin 2015 Conference (DGGV-DMV), 4–7 October 2015 (**invited**).
13. P.A. van der Beek, M. Baudin, C. Litty, J. Mercier, X. Robert, E. Hardwick, Tectonic control on topographic and exhumational segmentation of the Himalaya, American Geophysical Union Fall Meeting, San Francisco, USA, 15-19 December 2014 (**invited**).
14. P.A. van der Beek, M. Baudin, C. Litty, J. Mercier, X. Robert, E. Hardwick, Tectonic control on topographic and exhumational segmentation of the Himalaya, 10<sup>th</sup> Topo-Europe Workshop, Barcelona, Spain, 17-19 September 2014 (**invited**).
15. P.A. van der Beek, Late-Cainozoic climate change, erosion, and relief of mountain belts: 20 years of chickens and eggs, EGU General Assembly, Vienna (Austria), 28 April-2 May 2014 (**Bagnold Medal Lecture**).
16. P.A. van der Beek, Impact of late-Cainozoic climate change on orogenic relief development, 8<sup>th</sup> International Conference on Geomorphology, Paris, France 27-31 August 2013.
17. P.A. van der Beek, P.G. Valla, C. Glotzbach, R. Beucher, C. Fillon, J. Braun, Inverting thermochronology data to extract exhumation and relief histories: what works and what doesn't, 13<sup>th</sup> International Conference on Thermochronology, Guilin, China, 24-28 August 2012 (**invited**).

18. P.A. van der Beek, X. Robert, J. Mercier, J. Braun, Tectonic control on topographic and exhumational segmentation of the Himalaya, EGU General Assembly, Vienna (Austria), 23-27 April 2012 (**sollicited**).
19. P.A. van der Beek, Impact of late-Cainozoic climate change on relief development and orogen dynamics, 11th Nederlands Aardwetenschappelijk Congres, Veldhoven, The Netherlands, 29-30 March 2012 (**keynote**).
20. P.A. van der Beek, Impact of late-Cainozoic climate change on relief development and orogen dynamics, Ebelmen Symposium “Erosion and Weathering: From Fundamental Mechanisms to Geodynamic Consequences”, Académie de Sciences, Paris, 26-27 March 2012 (**invited**).
21. P.A. van der Beek, G. Tucker, A Simple Model for the Post-Orogenic Evolution of Mountain Ranges and Foreland Basins, AGU Fall Meeting, San Francisco (USA), 5-9 December 2011.
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23. R. Delunel\*, P.A. van der Beek, J. Carcaillet, D.L. Bourlès, Intra-catchment variability and significance of catchment-averaged denudation rates from 10Be concentrations in stream sediments: a 10Be-budget of the Etages catchment, French Western Alps, 9th International Symposium on Geochemistry of the Earth’s Surface (GES-9), Boulder (Colorado, USA), 3-7 June 2011.
24. P. A. van der Beek, Quantitative reconstruction of the recent exhumation and relief history of the European Alps: implications for Plio-Pleistocene sediment flux, 6<sup>th</sup> TOPO-EUROPE Workshop, 4-7 November 2010, Hønefoss, Norway.
25. P. A. van der Beek, Quantitative reconstruction of the recent exhumation and relief history of the European Alps: implications for Plio-Pleistocene sediment flux, Geological Society of London William Smith Meeting “Landscapes Into Rock”, 21-23 September 2010, London, U.K.
26. P. A. van der Beek, C. Glotzbach, P.G. Valla & M. Bernet, The elusive 5-Ma increase in denudation rates of the European Alps, 12<sup>th</sup> International Conference on Thermochronology, Glasgow, UK, 16-20 August 2010 (**invited**).
27. P.A van der Beek, Relict landscapes in active mountain belts: their age, interpretation and geodynamic significance, EGU General Assembly, Vienna (Austria), 2-7 May 2010 (**sollicited**).
28. P.A van der Beek, J. Van Melle\*, S. Guillot, A. Pêcher, P.W. Reiners, P. Valla\*, M. Latif, Eocene stabilization and Miocene incision of Tibetan Plateau Remnants in the Northwest Himalaya, AGU Fall Meeting, San Francisco (USA), 14-18 December 2009.
29. P.A van der Beek, Extracting quantitative information on denudation and relief history from thermochronology data: Examples from the western Alps and Pyrenees, 5<sup>th</sup> TOPO-EUROPE meeting, Heidelberg (Germany), 15-17 October 2009 (**invited**).
30. P.A van der Beek, J. Van Melle, S. Guillot, A. Pêcher, P.W. Reiners, S. Nicolescu, M. Latif, Eocene Tibetan Plateau remnants preserved in the Northwest Himalaya, EGU General Assembly, Vienna (Austria), 19-24 April 2009.
31. P.A. van der Beek, P.G. Valla, F. Herman, J. Braun, C. Persano, E. Labrin, K. Dobson, F. Stuart, Extracting quantitative information on denudation and relief history from thermochronological age-elevation profiles: an example from the French Western Alps, EGU General Assembly, Vienna (Austria), 19-24 April 2009.
32. P.A. van der Beek, Thermo-Europe: Late Neogene Exhumation and Relief Development of the European Alps: Possible Tectonic and Climatic controls, 4<sup>th</sup> Topo-Europe Workshop, El Escorial (Spain), 5-8 October 2008.
33. J. Van Melle, P.A. van der Beek, S. Guillot, A. Pêcher, M. Latif, Slow steady exhumation of the high elevation Deosai Plateau (Northern Pakistan Himalaya) since Eocene times, 11<sup>th</sup> International Conference on Thermochronology, Anchorage, USA, 14-18 September 2008.
34. P.A. van der Beek, P. Andriessen, M.-L. Balestrieri, L. Barbero, M. Bernet, C. Cederbom, M. Cosca, U. Glasmacher, J. Juez-Larré, P. Krzywiec, J. Kuhleman, M. Malusà, O. Oncken, C. Persano, H. Sinclair, E. Sobel, C. Spiegel, F. Stuart, R. Wieler, S. Willett, M. Zattin, Coupled climatic/tectonic forcing of European topography revealed through thermochronometry – The “Thermo-Europe” Project, 11<sup>th</sup> International Conference on Thermochronology, Anchorage, USA, 14-18 September 2008.

35. P.A. van der Beek, X. Robert, C. Perry, J. Braun, M. Bernet, Recent Kinematics and long-term Exhumation History of the central Himalaya (Nepal) from numerical Modelling of in-situ and detrital Thermochronology Data, 11<sup>th</sup> International Conference on Thermochronology, Anchorage, USA, 14-18 September 2008 (**invited**).
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37. P.A. van der Beek, J. Braun, C. Persano, Long Term topographic Development, Denudation Histories, and vertical Motions of high-elevation rifted Continental Margins: a Review, EGU General Assembly, Vienna (Austria), 13-18 April 2008 (**invited**).
38. P.A. van der Beek, H.D. Sinclair, A.J. Vernon, J.D. Champagnac, C. Cederbom, Late Neogene Exhumation and Relief Development of the European Alps: a Review of the Evidence and possible controlling Mechanisms, EGU General Assembly, Vienna (Austria), 13-18 April 2008 (**invited**, Union Session).
39. P.A. van der Beek, J. Braun, C. Perry, X. Robert, M. Bernet, Tracking mountain belt evolution from detrital thermochronology and numerical modelling: an example from the central Himalaya (Nepal), 3<sup>rd</sup> International Lithosphere Programme Task Force Meeting on Sedimentary Basins, Marrakech (Morocco), 28-31 October 2007 (**keynote**).
40. P.A. van der Beek, Thermochronological age – elevation profiles, denudation rates and relief development, Goldschmidt '07 Conference, Cologne (Germany), 19-24 August 2007 (**invited**).
41. P.A. van der Beek, M. Bernet, R. Pik, P. Huyghe, J.L. Mugnier & E. Labrin, Tracking mountain belt and foreland basin evolution using multi-system detrital thermochronology: an example from the central Himalaya (Nepal), 3<sup>rd</sup> International TOPO-Europe workshop, Accademia Nazionale dei Lincei, Rome (Italy), 2-5 May 2007.
42. P.A. van der Beek, J. Braun, C. Persano, F. Herman & E. Labrin, Extracting denudation and relief history from thermochronological age-elevation profiles: an example from the French Western Alps, AGU Fall Meeting, 11-15 December 2006 (*Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract T13E-01).
43. P.A. van der Beek, M. Bernet, R. Pik, P. Huyghe, J.L. Mugnier & E. Labrin, Orogenic exhumation of the central Himalaya recorded by detrital fission-track thermochronology of Siwalik sediments, Nepal, EGU General Assembly, Vienna (Austria) 2-7 April 2006.
44. P.A. van der Beek, M. Bernet, R. Pik, P. Huyghe, J.L. Mugnier & E. Labrin, Orogenic exhumation of the central Himalaya recorded by detrital fission-track thermochronology of Siwalik sediments, Nepal, SGF/SGE/IFP workshop on Thrust Belts and Foreland Basins, Paris, France, 14-16 December 2005.
45. P.A. van der Beek, M. Bernet, P. Huyghe, J.L. Mugnier & E. Labrin, Orogenic exhumation and frontal propagation of the central Himalaya recorded by detrital fission-track thermochronology of Siwalik sediments, Nepal. Sediment '05 workshop International Association of Sedimentology, Thun (Switzerland), 18-20 July 2005 (**keynote**).
46. P.A. van der Beek, J.L. Mugnier, P. Huyghe, E. Labrin & M. Bernet, Late Miocene – Recent denudation of the Himalayas and recycling in the foreland basin from detrital apatite fission-track analyses of Siwalik sediments, Nepal, 20<sup>th</sup> Himalaya-Tibet-Karakorum workshop, 29 March -1 April 2005, Aussois, France.
47. P.A. van der Beek, J. Braun, M. Bernet & E. Labrin, Using thermochronology to assess recent relief development in the Western Alps, Geological Society of London William Smith Meeting “Earth's Dynamic Surface”, 4-5 October 2004, London, U.K.
48. P.A. van der Beek, “Vertical” age – elevation profiles, denudation rates and relief development, 10<sup>th</sup> International Conference on Fission Track Dating and Thermochronology, Amsterdam, Netherlands, 8 – 13 August 2004.
49. P.A. van der Beek, J. Braun, M. Bernet & E. Labrin, Using thermochronology to track recent relief development in the French Western Alps, EGU General Assembly, 25-30 April 2004, Nice France (**Keynote**).
50. P.A. van der Beek & J. Braun, Quaternary Relief Development in the External Crystalline Massifs of the French western Alps, EGS-EUG-AGU Joint Assembly, 6-11 April 2003, Nice, France (*Geophys.Res. Abstracts*, 3, 02319).

51. P.A. van der Beek & P. Bishop, Cenozoic river profile development in the Upper Lachlan Catchment (SE Australia): Testing fluvial incision models, EGS-EUG-AGU Joint Assembly, 6-11 April 2003, Nice, France (*Geophys.Res. Abstracts*, 3, 02300).
52. B. Champel, P.A. van der Beek, J.L. Mugnier, & J. Braun, Modeling the interaction between tectonic and surface processes in the Himalayas of Nepal, Geol. Soc. Am. Penrose Conference: Tectonics, Climate, and Landscape Evolution, 13-17 January 2003, Taroko National Park, Taiwan.
53. P.A. van der Beek, G. Brocard, P. Bishop, D. Bourlès, & J.L. Mugnier, Assessing fluvial incision models: New constraints from river profile development in SE Australia and the French Alps, Geol. Soc. Am. Penrose Conference: Tectonics, Climate, and Landscape Evolution, 13-17 January 2003, Taroko National Park, Taiwan.
54. P.A. van der Beek & J. Braun, Relief development, thermal structure of the crust, and the interpretation of thermochronologic data from rifted margins and mountain massifs, International Workshop on Fission-Track Analysis: Theory and Applications, 4-7 June 2002, El Puerto de Santa María (Cádiz), Spain (*Geotemas*, 4, 161-163).
55. van der Beek, P.A., Champel, B., & Mugnier, J.L., Numerical modeling of drainage development in regions of active fault-propagation folding, AGU Fall Meeting, 15 – 19 December 2000, San Francisco, U.S.A. (*EOS, Trans. AGU*, 81(48 Suppl.), F. 1141).
56. van der Beek, P.A., Post-break-up landscape evolution on the SE Australian rifted margin as inferred from fission track thermochronology, geomorphology, and numerical models, 9<sup>th</sup> International Conference on Fission Track Dating and Thermochronology, Lorne, Australia, 6 – 11 February 2000 (**Keynote**) (*Geol. Soc. Australia Abstracts* 58, 325-327).
57. van der Beek, P.A., Pulford, A., McDougall, I., & Braun, J., Cenozoic landscape evolution in the Blue Mountains (SE Australia) : Tectonic and lithological controls on rifted margin morphology, EUG X, 28 Mars – 1 April 1999, Strasbourg, France (*Terra Abstracts* 11, 444).
58. van der Beek, P.A., Braun, J., Summerfield, M.A. & Brown, R.W., Morphotectonic evolution of rifted margins : not just flank uplift and escarpment retreat. EGS XXIII, 20-24 April 1998, Nice, France (*Ann. Geophys.* 16 (Suppl. 1), C75).
59. van der Beek, P.A., Summerfield, M.A., Braun, J. & Brown, R.W., Modelling large-scale long-term landscape evolution across the eastern margin of South Africa, Int. Assoc. Geomorphology, 3-8 September 1997, Bologna, Italy (*Geogr. Fis. Din. Quat Supp. III*, 387).
60. van der Beek, P.A. & Braun, J., 1997. Modelling post-Cretaceous landscape evolution in the southeastern highlands of Australia, EUG IX, 23-27 March 1997, Strasbourg, France (*Terra Abstracts* 9, 244).
61. van der Beek, P.A. & Braun, J., Modelling the denudational history of the Southeastern highlands: Insights into the tectonic evolution of the eastern Australian margin. AGU Western Pacific Geophysics Meeting, 23-27 July 1996, Brisbane, Australia, (*EOS*, 77, W152).
62. van der Beek, P.A., Delvaux, D., Andriessen, P.A.M., van Wees, J.D., Levi, K., Cloetingh, S. & Klerkx, J., uplift of the Baikal rift flanks: An integrated fission track and tectonic modelling study, EUG VIII, 9-13 April 1995, Strasbourg, France (*Terra abstracts*, 7, 44).
63. van der Beek, P.A., Pedersen, T. & Rohrman, M., Thermal and magmatic evolution of the Oslo Rift (SE Norway) from fission-track thermochronology and quantitative modelling. EGS XIX, 25-29 April 1994, Grenoble, France (*Ann. Geophys.*, 12, C..).
64. van der Beek, P.A., van Balen, R.T., Cloetingh, S. & Andriessen, P.A.M., Uplift and exhumation of rift flanks, Constraints from tectonic modelling and fission-track data. EUG VII, 4-8 April 1993, Strasbourg, France, (*Terra abstracts*, 5, 157-158).
65. van der Beek, P.A., Rohrman, M., Cloetingh, S. & Andriessen, P.A.M., Constraints on thermomechanical rifting models from apatite fission-track analysis, 7<sup>th</sup> Int. Fission Track Workshop, 13-17 July 1992, Philadelphia, U.S.A.
66. van der Beek, P.A., Rohrman, M., Cloetingh, S. & Andriessen, P.A.M., Constraints on thermomechanical rifting models from apatite fission-track analysis: the Oslo rift, S. Norway, EGS XVII, 6-10 April 1992, Edinburgh, U.K. (*Ann. Geophys.*, 10, C..).
67. van der Beek, P.A. & Cloetingh, S., Constraints on lithosphere dynamics and the tectonic evolution of the Betic Cordilleras from flexural and gravity analyses, EUG VI, 24-28 March 1991, Strasbourg, France (*Terra abstracts*, 3, 244).

## INVITED SEMINARS

1. “Late-Cainozoic climate change, erosion rates, and relief of mountain belts”, 46<sup>th</sup> Alexander von Humboldt Foundation Symposium for Award Winners, Bamberg (Germany), 23 March 2018.
2. “Lateral variations in topography, exhumation and tectonics in the Himalaya”, IAG-EGU Intensive Course for Young Geomorphologists “Geomorphology Field Training in tectonically active mountain regions”, Dehra Dun (India), 13 November 2017.
3. “Controls on the formation and abandonment of the Lannemezan Megafan (northern Pyrenean foreland, France)”, S2S Plenary meeting, Lannemezan, France, 5 July 2017.
4. “Tectonic and climatic controls on mountain belt evolution: examples from the Himalaya and from Iran”, Kharazmi University, Tehran, Iran, 8 May 2017.
5. “Variations laterales de topographie et d’érosion en Himalaya: contrôles tectoniques ou climatiques”, Société Géologique de France, Paris, France, 15 November 2016.
6. “Tectonic control on topographic and exhumational segmentation of the Himalaya”, China University of Geosciences, Wuhan, China, 26 May 2015.
7. “Lateral Variations in topography and denudation in the Himalaya: tectonic versus climatic controls”, University of Bergen, Norway, 25 September 2014.
8. “Using thermochronology and numerical modelling to track relief development at rifted margins and mountain belts”, Shell Technology and Learning Centre, Rijswijk, the Netherlands, 7 July 2014.
9. “Lateral Variations in topography and denudation in the Himalaya: tectonic versus climatic controls”, Universität Potsdam, Germany, 13 January 2014.
10. “Variations laterales de topographie et d’érosion en Himalaya: contrôles tectoniques ou climatiques”, Université Paris Sud, Orsay, 24 October 2013.
11. “Erosion et Evolution du Relief Plio-Quaternaire dans les Alpes Occidentales”, CRPG Nancy, 17 October 2013.
12. “Using thermochronology and numerical models to study orogen kinematics in the Himalaya”, Geological Studies Unit, Indian Statistical Institute, Kolkata, India, 1 March 2013.
13. “Pliocene-Quaternary denudation and Relief Development in the Western European Alps”, Department of Earth Science, China University of Geosciences, Wuhan, China, 30 August 2012.
14. “Aplicación de la termocronología en la cinemática y evolución de cadenas montañosas: Ejemplo del Himalaya Central”, Sociedad Geológica del Perú, Lima, Peru, 2 May 2012.
15. “Erosion et Evolution du Relief Plio-Quaternaire dans les Alpes Occidentales”, Géosciences Montpellier, Université Montpellier II, 2 March 2012.
16. “Pliocene-Quaternary denudation and relief development in the Western Alps”, GEOTOP, Université de Québec à Montréal/McGill University, Montreal, Canada, 16 May 2011.
17. “Erosion rates and relief development in the Western European Alps in response to late Quaternary climate change”, Institute for Arctic and Alpine Research, University of Colorado, Boulder, USA, 25 April 2011.
18. “Pliocene-Quaternary denudation and Relief Development in the Western European Alps from Numerical Inversion of Thermochronology Data”, University of Arizona, Tucson, USA, 14 April 2011.
19. “Pliocene-Quaternary denudation and relief development in the Western Alps”, Department of Geological Sciences, University of Colorado, Boulder, USA, 2 March 2011.
20. “Pliocene-Quaternary denudation and relief development in the Western Alps”, Universität Innsbruck, Austria, 11 November 2010.
21. “Assessing glacial relief change in the Alps: inferences from geomorphology and low-temperature thermochronology”, Hutton Club Symposium “The Evolution of Glacial Landscapes”, The University of Edinburgh, 15 May 2009.
22. “Using thermochronology to track relief development at rifted margins and mountain belts”, Brazilian thermochronology workshop, Gramado, Brazil, 12 March 2008.

23. "Using thermochronology to track relief development at rifted margins and mountain belts", Petrobras research centre, Rio de Janeiro, Brazil, 10 March 2008.
24. "Histoire de l'érosion himalayenne depuis 15 million d'années", LMTG, Université Paul Sabatier et Observatoire Midi-Pyrénées, Toulouse, France, 10 January 2008.
25. "Erosion history of the central Himalaya since 15 million years ago from the detrital thermochronology record in the Siwalik foreland basin sediments", Universidad Central de Venezuela, Caracas, 23 April 2007.
26. "Erosion history of the Himalaya since 15 million years ago", Vrije Universiteit Amsterdam, 9 November 2006.
27. "Using thermochronology to assess recent relief development in the Western Alps", Colloque de Prospective "Reliefs de la Terre", Oléron, France, 10-12 October 2006.
28. " « Géo-thermo-morphologie » ou comment utiliser la thermochronologie pour reconstruire l'évolution du relief", Earth and Environmental Sciences Graduate School, Grenoble, France, 18 April 2006.
29. "Pourquoi les géologues s'intéressent aux rivières ; recherches sur la dynamique fluviale au LGCA", LTHE Grenoble, France, 21 October 2005.
30. "Reconstruction de l'évolution du relief des Alpes occidentales à partir de données thermochronologiques", Département de Sciences de la Terre, Université Paris XI (Orsay), 3 April 2005.
31. "Detachment- and Transport-limited bedrock rivers in the French western Alps: Observations and models", Journées du projet Terrasse, CAREN, Rennes, France, 4-5 November 2004.
32. "Using thermochronology to assess Late Cenozoic relief development in the French Western Alps", Geological Society of London William Smith Meeting - Earth's Dynamic Surface: Catastrophe and Continuity in Landscape Evolution, London, U.K., 4-5 October 2004.
33. "Using Thermochronology to track Pliocene-Quaternary relief development in the Western Alps", Research School of Earth Sciences, Australian National University, Canberra, Australia, 16 June 2004.
34. "Pliocene-Quaternary relief development in the Western Alps", Institut für Geologie, Universität Bern (Switzerland), 19 January 2004.
35. "'Geo-thermo-morphology'; what do thermochronological data tell us about relief development?", *CRUST* (Constraining Regional Uplift, Sedimentation and Tectonics) Meeting, Edinburgh (U.K.), 9 January 2004.
36. "'Geo-thermo-morphology'; what do thermochronological data tell us about relief development? ", Department of Earth Sciences, University College London (U.K.), 26 March 2003.
37. "Tectonic and climatic control on drainage basin development: Examples from the French Alps and the Himalayan front", Institut für Geowissenschaften, Universität Tübingen (Germany), 22 November 2001.
38. "Contrôles tectoniques et climatiques sur l'évolution des réseaux de drainage: exemples des alpes occidentales et de l'Himalaya frontal", Géosciences Azur, Sophia-Antipolis, France, 19 October 2001.
39. "Long-term landscape development at rifted continental margins: denudation chronologies, fission track data, and numerical models", Gilbert Club, University of California at Berkeley, 20 December 2000.
40. "Evolution morpho-tectonique de la marge sud-est australienne: apports d'un modèle numérique de processus de surface", Géosciences Rennes, France, 7 January 1999.
41. "Modelling the geomorphic evolution of high-elevation rifted margins in S Africa and SE Australia", Department of Geology and Geophysics, University of Edinburgh (U.K.), 12 November 1998.
42. "Modelling the geomorphic evolution of high-elevation rifted margins in S Africa and SE Australia", Bullard Labs, Cambridge University (U.K.), 11 November 1998.
43. "Modélisation numérique de l'évolution morpho-tectonique des marges passives : le cas du SE Australie", Laboratoire de Géophysique Interne et Tectonophysique, Grenoble, France 3 February 1998.

44. "Modelling long-term landscape evolution in the Southeastern Highlands of Australia", Research School of Earth Sciences, Australian National University, 13 November 1997.
45. "Mechanisms of syn-rift and post-rift uplift: the Baikal Rift and southern Norway", Departments of Oceanography & Geology, Dalhousie University, Halifax, Canada, 16 April 1997.
46. "Modelling large-scale long-term landscape evolution on rifted continental margins : examples from South Africa and South-Eastern Australia", Departments of Oceanography & Geology, Dalhousie University, Halifax, Canada, 15 April 1997.
47. "Modelling the Cenozoic evolution of the SE highlands of Australia" Department of Geology & Geophysics, University of Sydney, 11 Oct. 1996.
48. "Neogene domal uplift of North Atlantic "passive" margins: Evidence from southern Norway and geodynamic implications", Research School of Earth Sciences, Australian National University, 17 March 1996.
49. "First fission track results from the Baikal rift (SE Siberia): Implications for regional tectonic evolution and models of continental extension", Victorian Institute of Earth & Planetary Sciences, Latrobe University, Melbourne, 12 Feb. 1996.
50. "Uplift and erosion at rifted continental margins: What can we learn from kinematic models?", Lab. de Géodynamique sous-marine, Villefranche-sur-mer, France, 5 Oct. 1995.
51. "Basin evolution and rift tectonics", Norsk Hydro / Saga Petroleum seminar on Tectonics and Sedimentation in Continental Rifts, Sundvollen (Norway), 4-8 Sept. 1995.
52. "Uplift, erosion and isostatic rebound at rifted continental margins", Dept. of Earth Sciences, University of Leeds (U.K.), 29 June 1995.
53. "Neogene domal uplift of southern Norway: Apatite fission track data and regional implications", 5<sup>th</sup> workshop ILP Task Force "Origin of Sedimentary Basins", Dead Sea (Israel), 2-7 Oct. 1994.
54. "Constraints on thermomechanical rifting models from apatite fission-track analysis", 3<sup>rd</sup> workshop ILP Task Force "Origin of Sedimentary Basins", Sundvollen (Norway), 18-22 August 1992.
55. "Tectonic modelling of rift shoulder dynamics: the western Mediterranean and the Oslo Graben", 2<sup>nd</sup> workshop ILP Task Force "Origin of Sedimentary Basins", Matrahaza (Hungary), 25 Sept. - 2 Oct. 1991.