

Curriculum Vitae

Andreas Lang

Contents	page
Addresses	1
Personal Details	1
Professional Experience	2
Education	4
Publications	
Citation data	5
Journal articles	5
Monographs and book chapters	10
Presentations	11
Grants	24
Organisation of Scientific Meetings and Convening of Sessions	27
Membership in Scientific Organisations	29

Address

office

Fachbereich Geographie & Geologie
 Universität Salzburg
 5020 Salzburg
 Austria
 tel.: +43 (0)662-8044-5244
 mobile: + 43 664 3921890
 email: Andreas.Lang@sbg.ac.at

Personal Details

Date of Birth:	6 February 1964
Place of Birth:	Bretten, Germany
Status:	married to Barbara Mauz
Nationality:	German

Professional Experience

Since August 2015

Chair of Geomorphology

Fachbereich Geographie und Geologie, Universität Salzburg, Austria

November 2011 – July 2015**April 2003 – October 2011****John Rankin Chair of Geography
Chair of Physical Geography**

Department of Geography and Planning; School of Environmental Sciences,
University of Liverpool, UK

Academic Leadership**Head of Department** (08.07-07.10)**Deputy Head of School** (08.10-01.11)Committee Service**Department:**

Member, Departmental Management Group (2004-07)

Director, Research Committee (2004-07)

Director, Physical Geography PGR Committee (since 2012)

Research lead, Physical Geography (since 2012)

Academic Mentor for junior colleagues: James Cooper (since 2012)

Faculty/School:

Member, Faculty/School Management Group (since 2007)

Member, School Research Strategy Group (since 2010)

University:

Member, Senate (since 2003)

Member, Cooperate Services and Facilities Committee (since 2009)

Member, University Strategy Review Committee (2008 & 09)

Member on committees for initiation, planning, building and now operating of the University's Central Teaching Laboratories (GBP 35M investment; awards: S-Lab 2012 by HE-STEM; Best Facilities' 2013 Guardian University Awards (described by judges as "truly groundbreaking")).

October 2001 – March 2003:**Hoofddocent (Senior Lecturer)**

Instituut voor Aardwetenschappen, Fysische en Regionale Geografie
Katholieke Universiteit Leuven, Belgium.

April 2000 – September 2001:**Postdoctoral Research Fellow**

Geographische Institute der Universität, Bonn.

January 1999 – March 2000:**Lecturer**

Geographische Institute der Universität, Bonn.

January 1995 – December 1998:**Postdoctoral Research Associate**

Forschungsstelle Archäometrie, Heidelberger Akademie der Wissenschaften, MPI-Kernphysik, Heidelberg.

Deputy Head of the Forschungsstelle, Chair Sediment-dating Group

January 1994 – December 1994:

Research Assistant

Forschungsstelle Archäometrie, Heidelberger Akademie der Wissenschaften, MPI-Kernphysik, Heidelberg

April 1992 – December 1993:

Fellowship holder

Landesgraduiertenförderung Baden Württemberg

October 1989 – March 1992:

Student research assistant

Forschungsstelle Archäometrie, Heidelberger Akademie der Wissenschaften, MPI-Kernphysik, Heidelberg

March 1987 – September 1989:

Student research assistant

Labor für Geomorphologie und Geoökologie; Geographisches Institut der Universität Heidelberg

Research Council Service:

NERC (Natural Environment Research Council, UK)

Member, Peer Review College (2005-08),

Chair, Fellowship Panels (2007 & 08),

Member, Project Management Board for NERC's Evaluation of Responsive Mode & Peer Review College (2008-10),

Referee for

Alexander von Humboldt-Stiftung, ANR (Agence National de la Recherche, France) CERG (Research Grants Council Hong Kong), DFG (German Science Foundation), EEA (Executive Agency for Higher Education, Research, Development and Innovation Funding, Romania), EPSRC (Engineering & Physical Sciences Research Council UK), ERC (European Research Council), FNRS (Fonds de la recherche scientifique, France), FWF (Austrian Funds of Science), The Leverhulme Trust UK, FWO (Research Foundation – Flanders), GA CR (Czech Science Foundation), National Geographic Society USA, NERC (Natural Environment Research Council UK), NCBR (National Centre for Research and Development, Poland); NRF (National Research Foundation, South Africa), NSERC (Natural Sciences and Engineering Research Council of Canada), NSF (National Science Foundation USA), NWO (Netherlands Organisation for Scientific Research), Riksbankens Jubileumsfond Sweden, SNF (Schweizerischer Nationalfonds), Tiroler Wissenschaftsfonds; ÖAW (Austrian Academy of Sciences)

Service for Learned Societies:

European Geoscience Union:

President, Geomorphology Division (2011-2015)

Coordinator, Geomorphology Young Scientist Award (2007-2011)

Chair, Bagnold Medal Committee (since 2015)

Secretary, Outreach Committee (since 2015)

British Society for Geomorphology:

Chair (2009-10); Member Executive Committee (2007-10); Chair Outreach Committee (2007-09); Co-coordinator Grand Challenges Initiative (since 2010-12); Fellow (elected 2013); Member, Presidents' Advisory Group (since 2013)

AK Geomorphologie, Germany:

Member, Scientific Advisory Board (since 2010)

Editorial Boards

Founder & Editor of '**Earth Surface Dynamics** - An Interactive Open Access Journal of the EGU' (since 2013): <http://www.earth-surface-dynamics.net/>

Member, Founding Editorial Board of '**SOIL**' - An Interactive Open Access Journal of the European Geosciences Union (to be launched EGU GA 2014);

Member, Editorial Board of '**Encyclopaedia of Geomorphology**' (since 2011);

Associate Editor of '**Geoarchaeology**' (since 2006)

Associate Editor of 'Zeitschrift für **Geomorphology**' (since 2015)

Refereeing for Scientific Journals

Ancient TL, Archaeometry, Boreas, Catena, Earth and Planetary Science Letters, Earth-Science Reviews, European Journal of Soil Science, Geoarchaeology, Geomorphology, Geology, Global and Planetary Change, The Holocene, Journal of Archaeological Science, Journal of Asian Earth Sciences, Journal of Biogeography, Journal of Geophysical Research Earth Surface, Journal of Quaternary Sciences, Journal of Volcanology and Geothermal Research, Land Degradation and Development, Natural Hazards, Naturwissenschaften, Netherlands Journal of Geosciences, Palaeogeography-Palaeoclimatology-Palaeoecology, Quaternary International, Quaternary Geochronology, Quaternary Research, Quaternary Science Reviews, PLOS ONE, Radiation Measurement, Sedimentology, Zeitschrift der Deutschen Gesellschaft für Geowissenschaften

Refereeing for Promotion and Tenure

Frequent referee for promotion cases in the UK (Senior Lecturer, Reader and Personal Chair), USA and Canada (Associate and Full Professors), and Germany (Juniorprofessor, Habilitation, Privatdozentur).

Student Supervision

More than 100 dissertations at undergraduate level (honours) and postgraduate level (Masters, Diplom).

PhD level: Koen Beerten (Leuven, 2005), Tom Rommens (Leuven, 2006), Peter James (Liverpool, 2008), Zhixiong Shen (Liverpool, 2008), Katherine Welsh (Liverpool, 2009), Ian Thrasher (Liverpool, 2009), Claire Mellett (Liverpool, 2012),

Emma Morris (Liverpool, ongoing), Sumia Abdualhadi (Liverpool, ongoing), Christopher James-Oldknow (Liverpool, ongoing) and Janet Richardson (Liverpool, ongoing).

Education

14.02.1995: Ph.D. in Geography (Physics and Geology), grade: magna cum laude

1991 - 1994: PhD research; Universität Heidelberg & MPI Nuclear Physics Heidelberg; Thesis title: Die Infrarot-Stimulierte-Lumineszenz als Datierungsmethode für holozäne Lößderivate - Ein Beitrag zur Chronometrie kolluvialer, alluvialer und limnischer Sedimente in Südwestdeutschland.

11.06.1991: Diplom in Geography (Physics and Biology), top grade (sehr gut)

1985 - 1991: University studies: Geography, Physics and Biology, Universität Heidelberg

Publications

Citation metrics (03/2017):

For each database the number of publications listed, the total number of citations, the total number of citations in the last 5 years, average citations per publication (average citations), as well as the h-, g- and m-indices are listed.

	<i>No. of publications listed</i>	<i>citations total</i>	<i>citations last 5 years</i>	<i>average citations</i>	<i>h-index</i>	<i>g-index</i>	<i>m-index</i>
ISI Thomson Reuters ResearcherID A-2180-2009	65	2496		38.9	29		1.26
Google Scholar Profile: Andreas Lang	98	4299	2437	53.7	36		1.69
Scopus: Author ID 24338645800 excluding self-citations	69	2604	1367	39.8	30	48	1.26

ORCID ID: 0000-0002-1604-4898

Journal articles

2017

Pomper, J., Salcher, B., Eichkitz, C., Prasicek, P., Lang, A., Lindner, M. and J. Götz: The glacially overdeepened trough of the Salzach Valley, Austria: Bedrock geometry and sedimentary fill of a major Alpine subglacial basin. *Geomorphology* 295, 147-158, <https://doi.org/10.1016/j.geomorph.2017.07.009>

Richardson, J.C., Hodgson, D.M., Paton, D., Craven, B., Rawcliff, A. & A. Lang: Where is my sink? Reconstruction of landscape development in southwestern Africa since the Late Jurassic - *Gondwana Research* 45, 43-64. <http://dx.doi.org/10.1016/j.gr.2017.01.004>

2016

Richardson, J.C., Hodgson, D.M., Wilson, A., Carrivick, J. & A. Lang: Testing the applicability of morphometric characterisation in discordant catchments to ancient landscapes: a case study from southern Africa - *Geomorphology* 261, 162-176. <http://dx.doi.org/10.1016/j.geomorph.2016.02.026>.

Shen, Z., & A. Lang: Quartz fast component optically-stimulated luminescence: towards routine extraction for dating applications – *Radiation Measurement* 89, 27-34; <http://dx.doi.org/10.1016/j.radmeas.2016.01.034>.

Soria-Jauregui, A., Jose Gonzalez-Amuchastegui, M., Mauz, B., and A. Lang: Dynamics of Mediterranean late Quaternary fluvial activity: An example from the River Ebro (north Iberian Peninsula) - *Geomorphology* 268, 110-122. DOI: 10.1016/j.geomorph.2016.06.006

2015

Temme, A., Keiler, M., Krassenberg, D. & A. Lang: Complexity of Earth Surface Systems – *Earth Surface Processes and Landforms*. DOI: 10.1002/esp.3712

2014

Rousseau, D.D., Chauvel, C., Sima, A., Hatté, C., Lacroix, F., Antoine, P., Balkanski, Y., Fuchs, M., Mellet, C., Ramstein, G., Kageyama, M. & A. Lang: European Glacial Dust Deposits: Geochemical Constraints on Atmospheric Dust Cycle Modelling - *Geophysical Research Letters* DOI: 10.1002/2014GL061382.

Wang, Z., Van Oost, K., Lang, A., Quine, T., Clymans, W., Merckx, R., Notebaert, S. and G. Govers: Long-term dynamics of buried organic carbon in colluvial soils – *Biogeosciences* 11, 873-883; doi:10.5194/bgd-10-13719-2013

2013

Chiverrell, R.C., Thrasher, I., Thomas, G.S.P., Lang, A., Scourse, J., Van Landeghem, K.J.J. McCarroll, D., Cofaigh, C., Evans, D. & C.K. Ballantyne: Bayesian modelling the retreat of the Irish Sea Ice Stream - *Journal of Quaternary Sciences* 28, 200-209. DOI: 10.1002/jqs.2616

Hoffmann, T., Mudd, S., VanOost, K., Verstraeten, G., Erkens, G., Lang, A., Middelkoop, H., Boyle, J.F., Kaplan, J., Willenbring, J. & R. Aalto: Humans and the missing Carbon sink: Erosion and burial of soil Carbon through time? – *Earth Surface Dynamics* 1, 45-52. doi:10.5194/esurf-1-45-2013.

Houben, P., Schmidt, M., Mauz, B., Stobbe, A. & A. Lang: Asynchronous Holocene anthropogenic colluvial and alluvial aggradation: a matter of hydrosedimentary connectivity – *The Holocene* 23, 544 – 555. DOI: 10.1177/0959683612463105

Mellet, C., Hodgson, D., Plater, A., Mauz, B., Selby, I. & A. Lang: Denudation of the continental shelf between Britain and France at the glacial-interglacial timescale – *Geomorphology* 203, 79-96 (invited contribution), <http://dx.doi.org/10.1016/j.geomorph.2013.03.030>.

Whitfield, R.G., Macklin, M. G., Brewer, P.A., Lang, A., Mauz, B. & L. Maher: The nature, timing and controls of the Quaternary development of the Rio Bergantes, Ebro basin, NE Spain – *Geomorphology* 196, 106-121. <http://dx.doi.org/10.1016/j.geomorph.2012.04.014>

2012

Mellet, C., Hodgson, D., Mauz, B., Lang, A., Selby, I. & A. Plater: Preservation of a submerged gravel barrier complex: an integrated landscape evolution study from the north-eastern English Channel (La Manche) – *Marine Geology* 315–318, 115–131. <http://dx.doi.org/10.1016/j.margeo.2012.04.008>

Mellet, C., Mauz, B., Hodgson, D., Plater, A. & A. Lang: Optical Dating of Submerged Landscapes – *Quaternary Geochronology* 10, 201-208. <http://dx.doi.org/10.1016/j.quageo.2012.03.012>

2011

Shen, Z., Mauz, B. & Lang, A.: Source trap characterisation of thermally transferred OSL in quartz -*Journal of Physics D: Applied Physics* 44, 295405 (12pp).

2009

Antoine, P., Rousseau, D.D., Moine, O., Kunesch, S., Hatté, C., Lang, A., Tissoux, H. & L., Zöller: Rapid and cyclic aeolian deposition during the Last Glacial in European loess: a high-resolution record from Nussloch, Germany - *Quaternary Science Reviews* 28, 2955–2973.

Fuchs, M. & A. Lang: Luminescence dating of hillslope deposits – a review – *Geomorphology* 109, 17-26.

Hoffmann, T., Erkens, G., Gerlach, R., Klostermann, J. & A. Lang: Trends and controls of Holocene floodplain sedimentation in the Rhine catchment - *Catena* 77, 96–106

Thrasher, I.M., Mauz, B., Chiverrell, R.C., Lang, A. & G.S.P. Thomas: Testing an approach to OSL dating of Late Devensian glaciofluvial sediments of the British Isles - *J. Quaternary Sci.* DOI: 10.1002/jqs.1253 [won the BSG Dick Chorley Award 2010 for the most significant original published contribution to geomorphology by a current or recently graduated post-graduate student].

Thrasher, I.M., Mauz, B., Chiverrell, R.C., Lang, A.: Luminescence dating of glacial deposits: a review. *Earth-Science Reviews, Volume 97, Issues 1-4, December 2009, Pages 133-146*

Verstraeten, G., Lang, A. & P. Houben: Human impact on sediment dynamics — quantification and timing: Editorial, Special Issue of *Catena* – *Catena* 77, 77-80.

Verstraeten, G., Rommens, T., Peeters, I., Poesen, J., Govers, G. & A. Lang: A temporarily changing Holocene sediment budget for a loess-covered catchment (central Belgium) – *Geomorphology* 108, 24–34.

2008

Hoffmann, T., Lang, A. & R. Dikau: Holocene river activity: analysing 14C-dated fluvial and colluvial sediments from Germany - *Quaternary Science Reviews* 27, 2031–2040.

Lang, A. & T., Glade: Challenges in Geomorphological Methods and Techniques: Editorial, Special Issue of *Geomorphology*. – *Geomorphology* 93, 1-2.

Plater, A.J & A. Lang: Fluvial Systems: Dynamics, Morphology and the Sedimentary Record. Editorial, Special Issue of *Geomorphology*. – *Geomorphology* 100, 1-2.

Shen, Z., Bloemendal, J., Mauz, B., Chiverrel, R.C., Dearing, J.A., Lang, A. & Q.S. Liu: Holocene environmental reconstruction of sediment-source linkages at Crummock Water, English Lake District, based on magnetic measurements – *The Holocene* 18-1, 129-140.

2007

Hoffmann, T., Lang, A. & R. Dikau: The challenge of reconstructing human impact on large river systems – *PAGES Newsletter* 15/1, 21-23.

Packman, S.C., Mauz, B., Rousseau, D.-D., Rossignol, J., Antoine, P. & A. Lang: Implications of broad dose distributions obtained with the single-aliquot regenerative-dose method on quartz fine-grains from loess. – *Quaternary Geochronology* 2, 39-44.

Poolton, N.R.J., Towson, B.M., Hamilton, B., Wallinga, J. & Lang, A.: Micro-imaging synchrotron-laser interactions in wide band-gap luminescent materials – *Journal of Physics D: applied physics* 40, 3557-3562.

Rommens, T., Verstraeten, G., Peeters, I., Poesen, J., Govers, G., Van Rompaey, A., Mauz, B., Packman, S. & A. Lang: Reconstruction of late-Holocene slope and dry valley sediment dynamics in a Belgian loess environment – *The Holocene* 17, 777-788.

Rousseau, D.-D., Antoine, P., Kunesch, S., Hatté, C., Rossignol, J., Packman, S., Lang, A. & C. Gauthier: Cyclic dust deposition in the US Great plains during the last deglaciation. – *Earth and Planetary Science Letters* 262, 159-174.

Rousseau, D.-D., Sima, A., Antoine, P., Hatté, C., Lang, A. & L. Zöller: Link between European and North-Atlantic abrupt climate changes over the last glaciation – *Geophysical Research Letters*, 34, L22713, doi:10.1029/2007GL031716.

- Shen, Z., Mauz, B., Lang, A., Bloemendal, J. & J. Dearing** Optical dating of Holocene lake sediments: Elimination of the feldspar component in fine silt quartz samples. – *Quaternary Geochronology* 2, 150-154.
- Vanwalleghem, T., Poesen, J., Vitse, I., Bork, H.R., Dotterweich, M., Schmidtchen, G., Deckers, J., Lang, A. & B. Mauz:** Origin and evolution of closed depressions in Central-Belgium, European loess belt. – *Earth Surface Processes and Landforms* 32, 574-586.
- 2006**
- Lang, A. & B. Mauz:** Timing gully formation: test cases from optical dating of gully in-fills – *Quaternary Science Reviews* 25, 2666 – 2675.
- Mauz, B., Packman, S. & A. Lang:** The alpha effectiveness in silt-sized quartz: New data obtained by single and multiple aliquot protocols – *Ancient TL* 24, 47-52.
- Poolton, N.R.J., Mauz, B., Lang, A., Jain, M. & A.E.R. Malins:** Optical excitation processes in the near band-edge region of KAlSi₃O₈ and NaAlSi₃O₈ feldspar. – *Radiation Measurements* 41, 542 – 548.
- Rommens, T., Verstraeten, G., Bogman, P., Peeters, I., Poesen, J., Govers, G., Van Rompaey, A., & A. Lang:** Holocene sediment dynamics in loess areas: towards a fluvial sediment budget for a small river catchment (Nethen, Belgium). – *Geomorphology*, 77: 187-201.
- 2005**
- Rommens, T., Verstraeten, G., Poesen, J., Govers, G., Van Rompaey, A., Peeters, I., & A. Lang:** Soil erosion and sediment deposition in the Belgian loess belt during the Holocene: establishing a sediment budget for a small agricultural catchment. – *The Holocene*, 15/7: 1032-1043.
- 2004**
- Fuchs, M., Lang, A. & G.A. Wagner:** The history of soil erosion and landscape degradation in the Phlious basin, NE Peloponnes, Greece. – *The Holocene* 14/3: 334-345.
- Mauz, B. & A. Lang:** Removal of the feldspar-derived luminescence component from polymineral fine silt samples for optical dating applications: evaluation of chemical treatment protocols and quality control procedures – *Ancient TL* 22, 1-8.
- Mauz, B. & A. Lang:** The dose rate of beta sources for optical dating applications: A comparison between fine silt and fine sand – *Ancient TL* 22, 45-49.
- Nyssen, J., Poesen, J., Moeyersons, J., Deckers, J., Haile, M. & A. Lang:** Man and environment in the Ethiopian Highlands – a state of the art. *Earth-Science Reviews* 64/3-4: 273-320.
- 2003**
- Lang, A.:** Phases of soil erosion-caused colluviation in the loess hills of South Germany. – *Catena* 51, 209-221.
- Lang, A., Bork, H.R., Mäkel, R., Preston, N., J. Wunderlich & R. Dikau:** Changes in sediment flux and storage within a fluvial system - some examples from the Rhine catchment. – *Hydrological Processes* 17, 3321-3334.
- Lang, A., Hatté, C., Rousseau, D.-D., Antoine, P., Fontugne, M., Zöller, L. & U. Hambach:** High-resolution chronologies for loess: comparing AMS ¹⁴C and optical dating results. – *Quaternary Science Reviews* 22, 953-959.
- Lang, A., Rind, M. & H.P. Niller:** Human induced landscape change at a Bronze Age ‘hill fortress’ on the Frauenberg, Niederbayern, Germany - Archaeological, pedological and chronometric evidences. – *Geoarchaeology* 18/7, 757-778.
- 2002**
- Antoine, P., Rousseau, D.D., Hatté, C., Zöller, L., Lang, A., Fontugne, M., & O. Moigne:** Événements éoliens rapides en contexte loessique: l'exemple de la séquence du Pléniglaciaire supérieur weichselien de Nussloch (Vallée du Rhin-Allemagne). *Quaternaire*, 13, 199-208.
- Kadereit, A., Lang, A., Hönscheidt, S., Müth, J. & G.A. Wagner:** IR-OSL-dated colluvial sediments as archives for the Holocene landscape history. Case studies from SW-Germany. – *Zeitschrift für Geomorphologie Neue Folge, Supplement Band* 128, 191-207.
- Lehmkuhl F., Klinge M. & A. Lang:** Late Quaternary glacier advances, lake level fluctuations and aeolian sedimentation in Southern Tibet – *Zeitschrift für Geomorphologie Neue Folge, Supplement Band* 126, 183-218.
- Rousseau, D.-D., Antoine, P., Hatté, C., Lang, A., Zöller, L., Fontugne, M., Othman, B.D., Luck, J.-M., Moine, O., Labonne, M., Bentaleb, I., & D. Jolly:** Abrupt millennial climatic terrestrial changes from Nussloch (Germany) Upper Weichselian eolian records during the Last Glaciation? – *Quaternary Science Reviews* 21, 1577-1582.

2001

- Antonie, P., Rousseau, D.-D., Zöller, L., Lang, A., Munaut, A.V., Hatte, C. & M. Fontugne:** High-resolution record of the last Interglacial-glacial cycle in the Nussloch loess-palaeosol sequences, Upper Rhine Area, Germany. – *Quaternary International*, 76-77, 211-229.
- Banerjee, D., Murray, A.S., Bøtter-Jensen, L. & A. Lang:** Equivalent dose estimation using a single aliquot of polymineral fine grains. – *Radiation Measurement*, 33, 73-94.
- Fuchs, M. & A. Lang:** OSL Dating of fluvial and coarse grained quartz using single aliquot procedures on sediments from NE-Peloponnese, Greece. – *Quaternary Science Reviews*, 20/5-9, 783-787.
- Hatté, C., Antoine, P., Fontugne, M., Lang, A., Rousseau, D.D. & L. Zöller:** $\delta^{13}\text{C}$ of loess organic matter as a potential proxy for paleoprecipitation reconstruction. – *Quaternary Research*, 55/1, 33-38.
- Hatté, C., Pessenda, L.C., Lang, A., & M. Paterne:** Development of an accurate and reliable ^{14}C -chronology for loess sequences. Application to the loess sequence of Nußloch (Rhine Valley, Germany). – *Radiocarbon* 43(2B), 611-618.
- Kadereit, A., Lang, A. & G.A. Wagner:** Colluvial sediments near archaeological sites as key to the past landscape evolution under human impact. A geoarchaeological case study from the Kraichgau hills in southern Germany. – In: Jerem, E. & K. Biró (eds.) *Proceedings of the 30th International Symposium on Archaeometry, Budapest/Hungary. BAR - Archaeolingua. Central European Series 1*, 123-129.
- Lang, A. & B. Zolitschka:** An optical dating study of varved lake-sediments from Holzmaar, Eifel, Germany. – *Quaternary Science Reviews*, 20/5-9, 737-742.
- Lehmkuhl, F. & A. Lang:** Geomorphological investigations and luminescence dating in the southern part of the Khangay and the Valley of the Gobi Lakes (Central Mongolia). – *Journal of Quaternary Science*, 16/1, 69-87.

2000

- Fuchs, M., Lang, A. & J. Maran:** Rekonstruktion einer antiken Landschaft. – *Spektrum der Wissenschaften*, 11/2000, 85-87.
- Lang, A.:** Book review: Regierungspräsidium Karlsruhe (Eds.) (1999): Landschaften und Böden im Regierungsbezirk Karlsruhe. – *Erdkunde*, 54/4, 385-386.
- Lang, A., Preston, N., Dikau, R., Bork, H.R. & R. Mäckel:** Land Use and Climate Impacts on Fluvial Systems During the Period of Agriculture – Examples from the Rhine catchment. – *PAGES Newsletter*, 8/3, 11-13.
- Zhou, L.P., van Andel, T.H. & A. Lang:** A Luminescence Dating Study of Open-air Palaeolithic Sites in Western Epirus, Greece. – *Journal of Archaeological Science*, 27, 609-620.
- Zolitschka, B., Brauer, A., Negendank, J.F.W., Stockhausen, H. & A. Lang:** An annually dated continental palaeo-climate record from the Eifel, Germany. – *Geology*, 28/9, 783-786.

1999

- Lang, A. & S. Hönscheidt:** Age and source of soil erosion derived colluvial sediments at Vaihingen-Enz, Germany. – *Catena*, 38/2, 89-107.
- Lang, A. & S. Nolte:** The chronology of Holocene sediments from the Wetterau, Germany, provided by optical- and ^{14}C -dating. – *The Holocene*, 9/2, 207-214.
- Lang, A., Moya, J., Corominas, J., Schrott, L. & R. Dikau:** Classic and new dating methods for assessing the temporal occurrence of mass movements. – *Geomorphology*, 30/1-2, 33-52.
- Lang, A., Kadereit, A., Behrends, R.H. & G.A. Wagner:** Optical dating of anthropogenic sediments at the archaeological excavation site Herrenbrunnenbuckel, Bretten-Bauerbach, Germany. – *Archaeometry*, 41/2, 397-411.
- Schilles, T., Habermann, J., Lang, A. & U. Rieser:** Improved single aliquot dating applications using a new high efficient modular luminescence reader. – *Radiation Protection Dosimetry*, 84, 363-366.
- Zolitschka, B., Brauer, A., Stockhausen, H., Lang, A. & J.F.W. Negendank:** Comparison of a multiple dated lake site in Germany with Greenland ice cores for the last 23,000 calendar years. – *Terra Nostra*, 99/10, 113-116.

1998

- Blümel, W.D., Eitel, B. & A. Lang:** Dunes in SE-Namibia: Evidences for Holocene environmental changes in the southwestern Kalahari based on thermoluminescence data. – *Paleogeography, Paleoclimatology, Paleoecology*, 138, 139-149.

Lang, A., Rieser, U., Habermann, J. & G.A. Wagner: Luminescence dating of sediments. – *Naturwissenschaften*, 85, 515-523.

Singhvi, A. & A. Lang: Infrared dating of partially bleached sediments - The differential partial bleach method. – *Ancient TL*, 16, 63-71.

1997

Albert, K.D., Andres, W. & A. Lang: Palaeodunes in NE Burkina Faso; Pedo- and Morphogenesis in a chronological framework provided by luminescence dating. – *Zeitschrift für Geomorphologie*, 41, 167-182.

Lang, A. & G.A. Wagner: Infrared stimulated luminescence dating of Holocene colluvial sediments using the 410 nm emission. – *Quaternary Geochronology (Quaternary Science Reviews)*, 16, 393-396.

1996

Lang, A. & G.A. Wagner: Infrared stimulated luminescence dating of archaeosediments. – *Archaeometry*, 38, 129-141.

Lang, A., Lindauer, S., Kuhn, R. & G.A. Wagner: Procedures used for optically and infrared stimulated luminescence dating of sediments in Heidelberg. – *Ancient TL*, 14, 7-11.

1995

Lang, A.: Lumineszenz-Datierung holozän umgelagerter Sedimente im Kraichgau. – *Archäologische Informationen*, 30, 23-25.

1994

Lang, A.: Luminescence dating of holocene reworked silty sediments. – *Quaternary Geochronology (Quaternary Science Reviews)*, 13, 525-528.

Wiggenhorn, H., Lang, A. & G.A. Wagner: Infrared Stimulated Luminescence: Dating Tool for Archaeosediments. – *Naturwissenschaften*, 81, 556-558.

Monographs and Book Chapters

2015

Coulthard, T., Gaillardet, J., Herman, F., Hovius, N., Jerolmak, D. & A. Lang: Sculpting the Surface of the Earth. In: Bloeschl, G., Tybo, H. and H. Savenije: *A Voyage Through Scales* – EGU, 50-56 (Invited contribution).

2013

Lang, A.: Luminescence: Colluvial Sediments. In: Rink, J. and J. Thompson: *Encyclopedia of Scientific Dating Methods* – Springer. DOI: 10.1007/SpringerReference_358965 (Invited contribution).

Lang, A.: Luminescence dating of alluvial fans and cones. In: Bolschweiler, M., Stoffel, M. & F. Rudolf-Miklau: *Dating Torrential Processes on Fans and Cones: Methods and Their Application for Hazard and Risk Assessment* – Advances in Global Change Research, Volume 47, Springer. DOI: 10.1007/978-94-007-4336-6; 283-295 (Invited contribution).

2012

Lang, A.: Elektronen, Spektrometer und Umweltwandel - neue Technologien der Zeitmessung. In: Fassmann, H. & T. Glade: *Geographie für eine Welt im Wandel*, Vienna University Press, ISBN 978-3-89971-912-3; 381-396 (Invited contribution).

2011

Lang, A.: Bringing process, sediment, and landform evolution closer together - a call for quantification and predictive modelling in Geomorphology. In: Gregory, K., Goudie, A. & B. Gomez: *Handbook of Geomorphology*, 572-574. (Invited contribution)

2008

Lang, A.: Recent advances in dating and source tracing of fluvial deposits. In: Schmidt J, Cochrane T, Phillips C, Elliott S, Davies T and L Basher: *Sediment Dynamics in Changing Environments*, IAHS Publ. 325, ISBN 978-1-901502-84-8, 3-12. (Invited contribution)

2007

Lang, A., Mauz, B., Packman, S.: Fluvial deposits from the Lower Ribble Valley, Lancashire - Optical Stimulated Luminescence (OSL) analyses. Research Department Report Series. vol 2007-107 English Heritage, Portsmouth

2006

Lang, A. & H.R. Bork: Past soil erosion in Europe. In: Boardman, J. & J. Poesen (Eds.): *Soil Erosion in Europe*, John Wiley, 465-478.

2004

Lang, A., Fuchs, M., & G. A. Wagner: Acht Jahrtausende Bodenerosion - Bodensedimente als Archiv der Kulturgeschichte. – In: BEO, Forschungszentrum Jülich, BMBF (eds.): *Alte Fragen - Neue Antworten. Neue naturwissenschaftliche Methoden in den Geisteswissenschaften*, 54-63.

2003

Bork, H.-R. & A. Lang: Quantification of past soil erosion and land use / land cover changes in Germany. In: Lang, A., Hennrich, K. & R. Dikau: Long Term Hillslope and Fluvial System Modelling - Concepts and Case Studies from the Rhine River Catchment. – *Lecture Notes in Earth Sciences*, Vol. 101, Springer, 232-239.

Lang, A.: Chronosequence. – In: Goudie, A. (Ed.): *Encyclopedia of Geomorphology*, Routledge, New York, London.

Lang, A., Hennrich, K. & R. Dikau (Eds.): Long Term Hillslope and Fluvial System Modelling - Concepts and Case Studies from the Rhine River Catchment. – *Lecture Notes in Earth Sciences*, Vol. 101, Springer, 246 p. ISBN 3-540-00982-5

Lang, A., Hennrich, K. & R. Dikau: Editorial. In: Lang, A., Hennrich, K. & R. Dikau: Long Term Hillslope and Fluvial System Modelling - Concepts and Case Studies from the Rhine River Catchment. – *Lecture Notes in Earth Sciences*, Vol. 101, Springer, 9-15.

Mauz, B., Lang, A., & Dikau, R.: Optical dating of colluvia and gully-sediments using quartz. – In: Bork, H. R., Schmidtchen, G., & Dotterweich, M. (eds.): *Bodenbildung, Bodenerosion und Reliefentwicklung im Mittel- und Jungholozän Deutschlands. Forschungen zur deutschen Landeskunde*, Bd. 253, 291-298.

2002

Lang, A.: Human impact on landscape evolution – a long term perspective. In Langouche, G., Schoonheydt, R., Verbeure, A. & Y. Willems (Eds.) *Arenberg 2002*. Leuven, Belgium 24-29.

2000

Lang, A.: Dosimetrische Datierung (mit einem Beitrag von C. Goeddicke). – In: Barsch, H., Billwitz, K. & H.R. Bork (Eds.): *Arbeitsmethoden in Physiogeographie und Geoökologie*, Klett-Perthes, 395-406.

1997

Rieser, U., Lang, A., G.A. Wagner, Krbetscheck, M.R. & W. Stolz: Luminescence dating in archaeology: recent developments. – In: Dirksen, D. & G. von Bally (eds.): *Optical Technologies in the Humanities*, Springer Verlag, 125-133.

Rieser, U., Lang, A., Wiggernhorn, H. & G.A. Wagner: Altersbestimmungen mittels optisch stimulierter Lumineszenz für archäologische Sedimente. – In: BEO, Forschungszentrum Jülich, BMBF (eds.): *Einsatz neuer Technologie in den Geisteswissenschaften*, 52 - 55.

1996

Lang, A.: *Die Infrarot-Stimulierte-Lumineszenz als Datierungsmethode für holozäne Lössderivate*. – Heidelberg Geographische Arbeiten, 103, Heidelberg, 137 pp.

Lang, A. & G.A. Wagner: Lumineszenzdatierungen in der geomorphologischen Forschung. – *Heidelberg Geographische Arbeiten*, 104, 59-65.

Richter, D., Lang, A. & G.A. Wagner: Luminescence Dating in Archaeology. – In: Antonelli, S., Arias, C., Jacob, C., Mannoni, T. & M. Martini (eds.): *Series Colloquia Vol. 2 - Archaeometry. XIII International Congress of Prehistoric and Protohistoric Sciences, Forli 1996. Colloquium II: Dating Methods: Comparisons and Correlations*, 9-15.

Zöller, L., Lang, A. & G.A. Wagner: Luminescence Dating in Archaeology and Quaternary Geology. – In: Hellenic Archaeometrical Society (eds.): *Proceedings of the 2nd Symposium of the Hellenic Archaeometrical Society (26-28 March 1993), Thessaloniki 1996*, 427-444.

1992

Lang, A., Zöller, L. & G. Schukraft: Thermolumineszenz-Untersuchungen an Auesedimenten der Elsenz/Kraichgau. – In: Müller, M. J. (Ed.): *Beiträge zur Physischen Geographie und Landeskunde - Flensburger Regionale Studien, Sonderheft 2*, 99-130.

Presentations

2017

- Lang, A.:** The Anthropocene Debate - Why Geomorphologists need to get involved. 4th Middle European Geomorphology Conference; Bayreuth (09-13.10.), (invited keynote).
- Lang, A.:** Climate impact on Earth surface systems – uncertainties unfolding. Workshop: Evidence, uncertainty and decision making with a particular emphasis on climate science; Salzburg (15&16.06), (invited keynote).
- Abdualhadi S. A., Mauz, B. Nolan, P. J. Joss, D. T. Durcan, J. A. Lang, A. & G.E. King:** Detecting and quantifying Uranium Series Gamma Decays in open-system samples using gamma spectrometry. 15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa (11-15.09).
- Discher, M., Mauz, B., Martin, L., Durcan, J., King, G., Tsakalos, E., Christodoulakis, J. & A. Lang:** Calculating or simulating the dose-rate? A comparison. 15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa (11-15.09).
- Dornich, K., Richter, D., Kreutzer, S., Lang, A. & F. Preusser:** Open Initiative: Towards a reporting standard for quartz SAR-OSL data. 15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa (11-15.09).
- Lang, A., Degering, D., Buylaert, J-P, Murray, A., Vandenberghe, D., Klasen, N., Zander A., Duller, G.A.T., Roberts, H.M., Tsukamoto, S., Bahl, C., & B. Mauz:** Potential Reference Material for Gamma Spectrometry. 15th International Conference on Luminescence and Electron Spin Resonance Dating, Cape Town, South Africa (11-15.09).
- Richardson, J.C., Hodgson, D.M., Paton, D. & A. Lang:** Where is my sink? Cenozoic landscape development of SW Africa. SEPM Research Conference: Propagation of Environmental Signals within Source-to-Sink Stratigraphy, Ainsa, Spain (05-09.06).
- Bernsteiner, H., Goetz, J., Salcher, B. & A. Lang:** Postglacial evolution and recent siltation of the protected lake “Taferlklaussee” EGU 2017, Vienna, Austria (24.-28.04.).
- Lang, A.:** The Anthropocene of European river basins. Kolloquium Hydrologie; TU Wien (07.03.), (Invited Seminar).

2016

- Lang, A.:** Die Dynamik der Erdoberfläche im Anthropozän. Kolloquium des Bayreuther Zentrum für Ökologie und Umweltforschung, Universität Bayreuth, Deutschland (30.06.), (invited seminar).
- Lang, A.:** Das Anthropozän – haben wir uns ein eigenes geologisches Zeitalter verdient? Österreichische Geographische Gesellschaft, Wien (10.05.), (invited seminar).
- Lang, A.** On formative events, conserving topography and morphologic hysteresis – tales from a geomorphological career trajectory. EGU 2016, Vienna, Austria (17.04.-22.04.). (invited keynote)
- Hoffmann, T., Amelung, W., Bornemann, L., Gerlach, R., Lang, A.** Human impact on erosion and burial of soil carbon through time. EGU 2016, Vienna, Austria (17.04.-22.04.).
- Oldknow, C.J., Hooke, J.M., Lang, A.:** Late Quaternary landscape evolution in the Great Karoo, South Africa: Processes and drivers. EGU 2016, Vienna, Austria (17.04.-22.04.).
- Prasicek, G., Robl, J., Lang, A., Larsen I.J., Montgomery D.R.:** Sink detection on tilted terrain for automated identification of glacial cirques. EGU 2016, Vienna, Austria (17.04.-22.04.).
- Richardson, J.C., Lang, A., Vanacker, V., Hodgson, D.M.:** Rates of surface lowering and landscape development in Southern South Africa: a cosmogenic view. EGU 2016, Vienna, Austria (17.04.-22.04.).
- Lang, A.:** Von Spreu und Weizen – was macht einen überzeugenden Drittmittelantrag aus? Geographie-Werkstatt Österreich, Salzburg (25./26.02.)

Lang, A.: Richard Dikau's career trajectory – a personal view. Scientific Colloquium in Honour of Richard Dikau to mark his retirement, Bonn (07. 02.), (keynote).

2015

Richardson, J.C., Lang, A., Vanacker, V., Hodgson, D.M.: Rates of landscape development in Southern South Africa: a cosmogenic view. British Sedimentological Research Group annual conference Keele, UK (19. - 22.12)

Lang, A.: Das Anthropozän – ist die menschliche Umgestaltung der Erdoberfläche leistungsfähiger als geologische Prozesse? Innsbrucker Geographische Gesellschaft, Graz (01.12.), (Invited Seminar).

Oldknow, C.J., Hooke, J.M., Lang, A.: The stratigraphic evolution of valley-fills in the upper Sundays River, South Africa: implications for understanding landscape response to climate change. BSG annual conference Southampton (07. - 09.09)

Richardson, J.C., Lang, A., Vanacker, V., Hodgson, D.M.: Rates of surface lowering in Southern South Africa: a cosmogenic view. BSG annual conference Southampton (07. - 09.09)

Hodgson, D., Richardson, J., Rawcliffe, Lang, A.: How much sediment has been eroded off southwestern South Africa since the Cretaceous, and where is it now?. American Association of Petroleum Geologists, Denver, USA (31.05 – 03.06).

Hoffmann, T., Strauch, A., Amelung, W., Gerlach, R., Bornemann, L., Lang, A. (4): Human impact on erosion and burial of soil carbon through time. EGU, Vienna, Austria (12. – 17.04).

Oldknow, C.J., Hooke, J.M. & A. Lang: Combined hillslope/fluvial system autogenesis in the Sneeuwberg Mountains, South Africa: implications for pinpointing trajectories of landscape response? EGU, Vienna, Austria (12. – 17.04).

Rousseau, D.D., Chauvel, C., Sima, A., Hatté, C., Lacroix, F., Antoine, P., Balkanski, Y., Fuchs, M., Mellet, C., Ramstein, G., Kageyama, M. & A. Lang: European Glacial Dust Deposits: Geochemical Constraints on Atmospheric Dust Cycle Modeling - EGU, Vienna, Austria (12. – 17.04).

Lang, A.: Die Dynamik der Erdoberfläche im Anthropozän. Geowissenschaftliches Kolloquium, Graz (19.03.), (Invited Seminar).

Lang, A.: Connectivity in the long term – evolving landscape patterns. Soil connectivity in Mediterranean Type Ecosystems: A man-made landscape. COST action CONNECTEUR, Valencia, Spain (12.- 18.01) (Invited Keynote).

2014

Richardson, J., Hodgson, D., Rawcliffe, Lang, A. The onshore depositional record of Cretaceous erosion in South Africa: reconstructing drainage history. British Sedimentological Research Group AGM, Nottingham (20-22.12).

Shen, Z., T. Tornquist & A. Lang: Dynamics of carbon delivery to the Mississippi delta. ICCE/IAHS 2014 Sediment Dynamics – From the Summit to the Sea, New Orleans, USA (11-14.12).

Lang, A.: Can we model this? Human decision making and the fluvial deposits of the Anthropocene in central Europe. Workshop 'Improving our understanding of fluvial landscape development: Exploring synergies between field-based and modelling approaches'. ITC Enschede, The Netherlands (2-3.12)

Lang, A.: Beyond sediments: Rockfalls and Luminescence. GFZ, Potsdam (14.10.), (Invited Seminar).

Lang, A.: Die Dynamik der Erdoberfläche im Anthropozän. Geographisches Kolloquium, Dresden (12.10.), (Invited Seminar).

Holtvoeth, J., Muceku, B. and A., Lang: Sheared to bits – A working hypothesis and evidence for a large shear zone accommodating the inversion of lateral crustal motion in the SW Balkans. Congress of Carpathian Balkan Geological Association, Tirana, Albania (24-26.09).

Oldknow, C.J., Hooke, J.M. & A. Lang: New evidence for valley cut and fill processes in the Great Karoo, South Africa: insights from a sediment connectivity based approach. British Society for Geomorphology Annual General Meeting, 2014; University of Manchester; UK (01-03.09)

Richardson, J., Hodgson, D.M., Wilson, A. and A. Lang: Analysis of very old landscapes: what can hypsometry show us? British Society for Geomorphology Annual General Meeting, 2014; University of Manchester; UK (01-03.09)

- Shen, Z. & A. Lang:** Quartz fast component optically-stimulated luminescence: towards routine extraction for dating applications. 14th international Luminescence and Electron Spin Resonance conference, Montreal, Canada (07-11.07).
- Lang, A.:** Die Dynamik der Erdoberfläche im Anthropozän. Symposium Physische Geographie, Salzburg (10.05.), (Invited Keynote).
- Oldknow, C.J., Hooke J.M., Mauz B. & A., Lang:** The role and importance of sediment connectivity over millennial timescales: insights from two headwater valley systems in the Sneeuwberg Mountains, South Africa. EGU 2014, Vienna, Austria (27.04.-0.2.05.).
- Lang, A.:** Die Dynamik der Erdoberfläche im Anthropozän. Kolloquium Physische Geographie, Heidelberg (07.02.), (Invited Keynote).
- Verstraeten, G., Notebaert, S., Poesen, J., Govers, G., Rommens, T., & A. Lang:** Holocene erosion and colluviation dynamics in the Dijle catchment, central Belgium. Open PAGES Focus 4 Workshop – Leuven, Belgium (3-7.02).
- Poesen, J., Vanwalleghem, T., Deckers, S., Van den Eckhaut, M., Bork, H.R., Dotterweich, M., Schmidtchen, G., Lang, A. & G. Verstraeten:** The importance of old forests for a better understanding of human environment interactions in Prehistoric and Roman times. Open PAGES Focus 4 Workshop – Leuven, Belgium (3-7.02).
- Wang, Z., Van Oost, K., Lang, A., Quine, T., Clymans, W., Merckx, R., Notebaert, S. and G. Govers:** Long-term dynamics of buried organic carbon in colluvial soils Open PAGES Focus 4 Workshop – Leuven, Belgium (3-7.02).
- Lang, A.:** The Anthropocene – is there a geomorphic case? Geographie Werkstatt Österreich, Innsbruck, Austria (16-17.01.14), (Invited Keynote).
- Lang, A.:** Sieben Jahrtausende Bodenerosion - Wie wir unbewusst unsere Landschaft verwandeln – Klagenfurt, Austria (14.01.14), (Invited Seminar). Available at: <http://campustv.uni-klu.ac.at/?q=node/346>

2013

- Richardson, J., Hodgson, D.M., Wilson, A. and A. Lang:** Source to sink: drainage basins evolution in the Cape Fold Belt, South Africa. British Sedimentological Research Group, University of Hull, UK (18-21.12).
- Shen, Z., Rosenheim, B.E., Törnqvist, T.E. & A. Lang** Anthropogenic influence on the age spectrum of particulate organic carbon of the Lower Mississippi River. IAHS International Commission on Continental Erosion Symposium, New Orleans, USA (11-14.12)
- Lang, A.:** Is there a geomorphic case for the ‘Anthropocene’? British Society for Geomorphology, Royal Holloway University of London, UK (9-11.09), (Invited Keynote) (available online: <http://mediasite.rhul.ac.uk/rhul/SilverlightPlayer/Default.aspx?peid=3352dc7753a14043ac8cf815ff6de28a1d>).
- Richardson, J., Hodgson, D.M., Lang, A. and A. Wilson:** Hypsometry and geology of drainage basins: towards understanding the long term landscape evolution of southern South Africa. British Society for Geomorphology, Royal Holloway University of London, UK (9-11.09).
- Hoffmann, T., Strauch, A. and A. Lang:** Human impact on erosion and burial of soil carbon through time. International Association of Geomorphologists, Paris, France (27-31.08).
- Oldknow, C.J., Hooke J.M., Lang, A., & B. Mauz:** Towards understanding spatial and temporal variations in landscape response to climate change at an upland Karoo site, South Africa. International Association of Geomorphologists, Paris, France (27-31.08).
- Shen, Z. & A. Lang:** Quartz fast component OSL: towards routine extraction for dating applications. 9th New World Luminescence and ESR dating workshop, Logan, Utah, USA (15-18.8)
- Mellet, C.L., Mauz, B., Hodgson, D.M., Plater, A.J. & A. Lang:** Cross-shelf palaeovalleys: distinguishing between ‘normal’ and ‘catastrophic’ regimes, 10th International Conference on Fluvial Sedimentology, Leeds, UK (14-19.07).
- Lang, A:** Terrestrial sediment flux dynamics on decadal to millennial timescales. Colloquium Sedimentology Freiburg, Germany (16.06.) (invited talk).
- Lang, A:** Earth Surface Dynamics. Colloquium Geoecology Vienna, Austria (10.05.) (invited talk).
- Mellet, C.L., Mauz, B., Hodgson, D.M., Plater, A.J. & A. Lang:** Resilience of a barrier coastline under rapid rates of sea-level rise. Coastal Processes and Environments Under Sea-Level Rise and Changing

Climate: Science to Inform Management, AGU Chapman conference, Galveston, Texas, USA (14–19.04).

2012

Mellett, CL., Mauz, B., Hodgson, DM., Plater, AJ. & A. Lang: Drowning of a barrier coastline under rapid rates of relative sea-level rise during the 8.2 ka cooling event: Cause or coincidence? AGU 2012, Fall Meeting, San Francisco, USA (3.-7. 12).

Rodes, EJ. Guralnik, B., Herman, F., Jain, M., Paris, RB., Valla, P., Murray, A., Solomatova, N. & A. Lang: Observations and theoretical basis of luminescence thermochronometry: relating topographic evolution to geological process. GSA, Charlotte, NC, USA (4.-7.11).

Mauz, B., Shen, Z., Lang, A., Chiverrell, R. & J. Bloemendal: Electrons, spectrometers and proxy records: How to improve chronologies for climate reconstruction. International Symposium on the uplift of the Quighai-Tibetian Plateau and its societal and environmental impacts, Lanzhou, China, (9-10.10) (invited talk).

Mellett, CL., Mauz, B., Hodgson, DM., Plater, AJ., & A. Lang: Optical dating of late Quaternary deposits preserved beneath the eastern English Channel. EGU 2012, Vienna, Austria (22.-27.04.).

Lang, A: How fast does rock wear down? Using luminescence based low temperature thermochronometry to determine erosion rates on millennial timescales. Lancaster- Liverpool joint seminar (14.03.) (invited talk).

Lang, A: Innovations in Quaternary Geochronology. UCLA, Los Angeles, USA (25.01.) (invited talk).

2011

Lang, A: Mensch-Umwelt-Systemforschung unter den Vorzeichen des Globalen Wandels in Gebirgsräumen, Innsbruck, Austria (18.11.) (invited talk).

Lang, A: Where the Anthropocene started 7000 years ago: man's impact on river systems in Central Europe. European Rivers in the Anthropocene (ERA), Utrecht, The Netherlands (06-08.11.) (invited talk).

Mellett, CL., Mauz, B., Plater, AJ., Hodgson, DM., & A. Lang: Late Quaternary Landscape Evolution in the eastern English Channel. INQUA, Bern, Switzerland (20-27.07).

Mellett, CL., Mauz, B., Hodgson, DM., Plater, AJ., & A. Lang: The application of optically stimulated luminescence (OSL) dating to late Quaternary deposits preserved beneath the eastern English Channel. LED, Torun, Poland (10-14.07).

Lang, A: Future directions for Earth Surface Systems research. Annual meeting of the European Earth Surface Processes Group, Loch Lomond, UK (30.05-03.06) (invited keynote).

Lang, A: Earth surface response to climate change - why the past matters. Quaternary Science Colloquium, Bern (27.05) (invited talk).

Verstraeten, G., Notebaert, B., Dugar, B., Govers, G., Lang, P., Poesen, J., D'Haen, K. The changing anthropogenic impact on sediment-source-to-sink transfers since the introduction of agriculture. AGU Chapman Conference, Oxnard, CA, USA (24-27.01)

Lang, A: The first cut isn't always the deepest – human impact increasing river sensitivity to climate change. Glasgow Earth Science Colloquium (23.01) (invited talk).

Mellett, CL., Mauz, B., Plater, AJ., Hodgson, DM., & A. Lang: Sedimentary architecture of 'Channel River' deposits preserved in the eastern English Channel: Insights into the timing and nature of deposition. Quaternary Research Association, Palaeohydrology: learning lessons from the past, Liverpool (03-06.01).

2010

Lang, A: Earth Surface Dynamics - an exciting new integrating concept or just more of the same? Joint GFZ & University Potsdam Colloquium Geopedology GFZ Potsdam (24.11) (invited talk).

Lang, A: Grand Challenges for geomorphology. Earth Surface Dynamics: Building an European research network, Royal Society International Scientific Seminar, Chicheley Hall, UK (18-19.10) (invited keynote).

Lang, A: 50 years British Society for Geomorphology. BSG 50 anniversary conference: Grand Challenges meeting, RGS London, UK (31.08 – 02.09).

Verstraeten, G., Notebaert, B., Dugar, B., Peeters, I., Govers, G., Van Rompaey, A., Poesen, J. & A. Lang: Human impact on Late Holocene hillslope and fluvial sediment dynamics: a field and modelling approach. EGU Vienna, Austria (04.05) (invited keynote).

Hooke, J. & A. Lang: 'Dynamics of riverine sediment flux to the oceans', NERC Proudman Oceanographic Centre, UK (10.03.) (invited seminar).

Lang, A: 'Shaping the face of the Earth: Soil erosion in Central Europe during historic and prehistoric times', York, UK (03.03.) (invited seminar).

Mellett, CL., Plater, AJ., Hodgson, DM., Mauz, B. & A. Lang: Records of Quaternary sea-level change from the eastern English Channel continental shelf. Quaternary Research Association, Sea Level Changes: Science of a Changing World, 05-08.01. Durham.

2009

Lang, A: On twists, turns and detours or ... don't be afraid of unexpected results. BSG postgraduate symposium 2009, Windsor (16.12) (invited keynote).

Lang, A: Delivering sediment to the river: longterm dynamics of slope channel-coupling in South Germany. Symposium 'Fluvial response to climate change and human impact' Utrecht, Netherlands (04.12) (invited keynote).

Verstraeten, G., Rommens, T., Peters, I., Poesen, J., Govers, G., & A. Lang: Human impact on Late Holocene hillslope and fluvial sediment dynamics: a field and modelling approach. Symposium 'Fluvial response to climate change and human impact' Utrecht, Netherlands (04.12) (invited keynote).

Mellett, CL., Hodgson, DM., Plater, AJ., Mauz, B. & A. Lang: Sedimentary Architecture And Environmental History Of Middle To Late Pleistocene Deposits From The Eastern English Channel. British Sedimentological Research Group Annual General Meeting, Bangor 20-22.12

Lang, A: Elektronen, Spektrometer und Umweltwandel - neue Technologien der Zeitmessung. State of the art. Deutscher Geographentag 2009, Wien, Austria (20-25.09) (invited keynote).

Mellett, CL., Selby, I., Hodgson, DM., Mauz, B., Plater, AJ., Langman, R. & A. Lang: Late Pleistocene submerged palaeo-valleys of the eastern English Channel: Evidence from high resolution seismic records. International Association of Sedimentologists; Alghero, Italy (20-23.09).

Lang, A: Geomorphology and Time: New Approaches for Quantifying Rates and Dates in Earth Surface Systems. University of Salzburg, Austria (28.04.) (invited seminar).

Thrasher, I.M., Chiverrell, R.C., Thomas, G.S.P., Mauz, B. & A., Lang: A chronology for the retreat of the Irish Sea Ice-Stream using Bayesian modelling techniques, EGU 2009, Vienna, Austria, (19-24.04).

Lang, A: Past soil erosion in Central Europe: driven by climate or humans or both? Open Workshop of the Graduate School 'Human Development in Landscapes', Kiel, Germany (01-04.04.) (invited keynote).

2008

Lang, A: Linking river behaviour and environmental history – IGBP-PAGES LUCIFS open workshop 'Past Human-Climate-Ecosystem Interactions' Christchurch, New Zealand (06.-10.12.) (Invited keynote).

Lang, A: Timing sediment transfer through fluvial systems over centuries and millennia - International Association of Hydrological Sciences (IAHS) and International Commission on Continental Erosion (ICCE) joint International Symposium on 'Sediment dynamics in changing environments', Christchurch, New Zealand (01.-05.12.) (Invited keynote).

Thrasher, I.M., Mauz, B., Chiverrell, R.C. & A., Lang: A lithofacies-based approach to OSL dating of ice-proximal sandar on the margins of the Irish Sea ice-stream. LED 2008, Beijing, China, (18-22.09).

Lang, A: Advances in archaeologically-relevant dating techniques - International Field Workshop 'Fortress Por-Bajin: Geoarchaeology and Protection of Cultural Heritage', Por-Bajin, Tuva, Russia (29.07-05.08), (Invited keynote).

Hoffmann, t., Erkens, G., Gerlach, R., Klostermann, J. & A. Lang: Trends and controls of Holocene floodplain sedimentation in the Rhine catchment. CHR/ISI Workshop 'Erosion, Transport and Deposition of Sediments', Bern, Switzerland (28-30.04).

Welsh, K.E., Dearing, J.A., Chiverrell, R.C., Coulthard, T.J. & A., Lang: Palaeodata/model comparison: testing a cellular based approach to modelling sediment transfer from a catchment to a lacustrine basin. EGU 2008, Vienna, Austria, (13-18.04).

Thrasher, I.M., Mauz, B., Chiverrell, R.C. & A., Lang: A lithofacies-based approach to OSL dating of ice-proximal sandar on the margins of the Irish Sea ice-stream. EGU 2008, Vienna, Austria, (13-18.04).

Thrasher, I.M., Mauz, B., Chiverrell, R.C. & A., Lang: A lithofacies-based approach to OSL dating of ice-proximal sandar on the margins of the Irish Sea Ice-Stream. QRA ADM London (08-10.01).

2007

Thrasher, I.M., Mauz, B., Chiverrell, R.C., & A., Lang: Quartz characterisation and component analysis of glaciofluvial sediments from ice-proximal sandur settings (British Isles). UK LED 2007, Sheffield (12-14.09.).

Thrasher, I.M., Chiverrell, R.C., Thomas, G.S.P., Mauz, B., & A., Lang: A lithofacies based approach to OSL dating of glaciofluvial sediments. INQUA, Cairns, Australia (28.07-03.08.).

Whitfield, R. G., Macklin, M.G., Brewer, P.A., Lang, A., Mauz, B. & E. Johnstone: Controls, nature and timing of high frequency sediment supply fluctuations in Late Quaternary river systems: The Rio Bergantes, northeast Spain. INQUA, Cairns, Australia (28.07-03.08.).

Welsh, K.E., Chiverrell, R.C., Coulthard, T.J., Dearing, J.A. & A. Lang: Modelling decadal flooding and sediment transport in pre-alpine France. INQUA, Cairns, Australia (28.07-03.08.).

Thrasher, I.M., Chiverrell, R.C., Thomas, G.S.P., Mauz, B., & A., Lang: A lithofacies based approach to optically stimulated luminescence (OSL) dating of glaciofluvial sediments. British Society for Geomorphology annual conference, Birmingham (04-06.06.).

Whitfield, R. G., Macklin, M.G., Brewer, P.A., Lang, A., Mauz, B. & E. Johnstone: Controls, nature and timing of high frequency sediment supply fluctuations in Late Quaternary river systems: The Rio Bergantes, northeast Spain. British Society for Geomorphology annual conference, Birmingham (04-06.06.).

Rommens, T., Verstraeten, G., Peeters, I., Poesen, J., Govers, G., Van Rompaey, A. & A. Lang: Holocene sediment dynamics in a small river catchment in central Belgium. EGU, Vienna, Austria (15-20.04.).

Rousseau, D.D.; Antoine, P.; Kunesch, S.; Hatté, C.; Rossignol, J.; Packman, S.; Lang, A. & C. Gauthier: Atmospheric circulation changes evidenced by cyclic dust deposition in the US Great plains (Nebraska, USA). during the last deglaciation. EGU, Vienna, Austria (15-20.04.).

Verstraeten, G., Houben, P. & A. Lang: The changing human impact on sediment dynamics during the Holocene across different environments. EGU, Vienna, Austria (15-20.04.).

Welsh, K.E., Chiverrell, R.C., Coulthard, T.J., Dearing, J.A. & A. Lang: Modelling decadal flooding and sediment transport in pre-alpine France. EGU, Vienna, Austria (15-20.04.).

Thrasher, I.M., Chiverrell, R.C., Thomas, G.S.P., Mauz, B., & A., Lang: A lithofacies based approach to OSL dating of glaciofluvial sediments. Quaternary Research Association annual meeting, StAndrews, UK (06-08.01).

2006

Lang, A.: Characterising electro-optical properties of natural materials for age determination purposes. NW science fund Laser pump-probe meeting, Innovation and Science Campus Daresbury (04.12) (invited talk).

Lang, A.: Soil erosion is not just a modern problem: human impact in Central Europe during historic and prehistoric times. Department of Geography, University of Sheffield (31.10) (invited talk).

Hoffmann, T. & A. Lang: Nützen ¹⁴C-Chronologien zur Datierung von geomorphologischen Aktivitäts- und Stabilitätsphasen? AK Geomorphologie, Dresden (04.-07.10)

Thrasher, I.M., Mauz, B., Lang, A. & R.C. Chiverrell: A lithofacies based approach to OSL dating of glaciofluvial sediments. UK luminescence and ESR dating research conference, Liverpool, UK (06-08.09).

Shen, Z., Mauz, B., Bloemendal, J., Dearing, J. & A., Lang: Problems and prospects of optical dating of lake sediments in the Lake District of the British Isles. UK luminescence and ESR dating research conference, Liverpool, UK (06-08.09).

Shen, Z., Mauz, B., Bloemendal, J., Dearing, J. & A., Lang: An Optically-Stimulated Luminescence Chronology of Holocene Lake Sediments: An Example from the British Isles. 10th International Paleolimnology Symposium, Duluth, USA (25-29.07).

Poesen, J., Bork, H.R., Deckers, J., Dotterweich, M., Lang, A., Rommens, T., Schmidtchen, G., Vanwalleghem, T., Verstraeten, G. & I. Vitse: Holocene soil erosion and sediment storage on a catchment's scale. The example of the Nethen river, central Belgium. LUCIFS workshop: "New trends in Geomorphology? Systems-based understanding of long term man-landscape interactions", Münzeberg, Germany (12-14.05.).

- Lang, A.:** Timing sediment transfer through fluvial systems over centuries and millennia - basic methodological issues and new technical capabilities. LUCIFS workshop: "New trends in Geomorphology? Systems-based understanding of long term man-landscape interactions", Münzeberg, Germany (12-14.05.) (invited talk).
- Rommens, T., Verstraeten, G., Peeters, I., Poesen, J. & A. Lang:** Holocene soil erosion and sediment storage on a catchment's scale. The example of the Nethen river, central Belgium. LUCIFS workshop: "New trends in Geomorphology? Systems-based understanding of long term man-landscape interactions", Münzeberg, Germany (12-14.05.).
- Hoffmann, T., Lang, A. & R. Dikau:** Holocene river activity: Analysing ¹⁴C-dated fluvial and colluvial sediments from Germany. LUCIFS workshop: "New trends in Geomorphology? Systems-based understanding of long term man-landscape interactions", Münzeberg, Germany (12-14.05.).
- Lang, A.:** Changes in hillslope-channel coupling over medium to long timescales (10²-10³ years) - examples from loess areas in central and western Europe. European Geosciences Union General Assembly 2005, Vienna, Austria, (03-07.04).
- Lang, A.:** Soil erosion is not just a modern problem: human impact on historic and prehistoric Germany. Department of Geography, University of Hull (08.02) (invited talk).
- 2005**
- Reinhard, L., Hoey, T. & A. Lang:** Quantifying the rate of soil erosion in a disequilibrium landscape based on terrestrial cosmogenic nuclides. AGU meeting, San Francisco USA (05-09.12).
- Whitfield, RG., Macklin, MG., Brewer, P.A., Johnstone, E., Lang, A. & B. Mauz:** Controls and timing of high-frequency sediment supply cycles in Late Quaternary river systems, northeast Spain. BGRG annual meeting, Southampton, UK (19-21.09).
- Lang, A., Poolton, N., Mauz, B., Plater, A., Jain, M.:** Electro-optical properties of biogenic silica: can we use diatom frustules for luminescence dating? 11th International Conference on Luminescence and ESR Dating, Cologne, Germany (24-29.07.).
- Packman, S.C., Mauz, B., Rousseau, D.D., Antoine, P., Lang, A.:** Implications of broad dose distributions obtained by the single-aliquot regenerative-dose protocol on quartz fine-grains from loess. 11th International Conference on Luminescence and ESR Dating, Cologne, Germany (24-29.07.).
- Shen, Z., Mauz, B., Lang, A., Bloemendal, J., Dearing, J.:** Optical dating of Holocene lake sediments: an example from the British Isles. 11th International Conference on Luminescence and ESR Dating, Cologne, Germany (24-29.07.).
- Lang, A., Gawne, S., Maher, E., Mauz, B.:** Optical dating of fluvial and lacustrine sediments from SE-Spain: Can we confirm Adrian's ideas? Response of Fluvial Systems to Environmental Change. Conference in Celebration of Adrian Harvey's Contribution to Fluvial Geomorphology, Liverpool (06-08.06.)
- Rommens, T., Verstraeten, G., Poesen, J., Govers, G., Peeters, I., Van Rompaey, A. & A. Lang:** Holocene sediment dynamics in the Belgian loess belt. International Conference: The Fluvial System - past and present dynamics and controls, Bonn, Germany (16-22.05)
- Lang, A. and B. Mauz:** Timing sediment delivery to fluvial systems - optical dating of gully-fill sediments from Central Europe. International Conference: The Fluvial System - past and present dynamics and controls, Bonn, Germany (16-22.05)
- Lang, A.:** Soil erosion is not just a modern problem: human impact on historic and prehistoric Germany. Department of Geography, University of Loughborough (12.05) (invited talk).
- Rousseau, D.D., Antoine, P., Hatté, C., Moine, O., Zoeller, L., Lang, A.:** Record of the Dansgaard-Oeschger events in European eolian deposits. European Geosciences Union General Assembly 2005, Vienna, Austria, (24-29 04).
- Rousseau, D.D., Antoine, P., Hatté, C., Rossignol, J., L., Lang, A.:** Cyclic dust deposition in the US Great plains during the last deglaciation. European Geosciences Union General Assembly 2005, Vienna, Austria, (24-29 04).
- Lang, A.:** Soil erosion is not just a modern problem: human impact on historic and prehistoric Germany. Department of Geography, University of Manchester (02.03) (invited talk).
- 2004**
- Dearing, J., Coulthard, T., Crook, D., Foster, G., Jones, R., Lang, A. & D. Siddle:** Linking past, present and future times: the lac d'Annecy catchment. HITECH Meeting, Zürich, Switzerland (18-19.10)

- Rommens, T., Verstraeten, G., Poesen, J., Govers, G., Peeters, I., Van Rompaey, A. & A. Lang:** Quantifying historical soil erosion and sediment deposition in the Belgian loess belt during the Holocene. 3rd International Symposium, Quaternary Research Association, Brussels, Belgium (15-17.09).
- Mauz, B. & A. Lang:** Removal of feldspars from polymineral fine grain samples: chemical treatment and quality control. UK Luminescence & ESR 2004 Meeting. St Andrews, UK (05-08.09).
- Shen, Z., Mauz, B., Lang, A., Bloemendal, J. & J. Dearing:** Equivalent dose estimates of late Holocene lake sediments from the Lake District (UK): first results. UK Luminescence & ESR 2004 Meeting. St Andrews, UK (05-08.09).
- Lang, A. & J. Dearing:** Unravelling human impact on fluvial sediments: Complexity in longer-term system behaviour. JIGC: Joint international geomorphology conference, Glasgow (17-20.08).
- Mauz, B. & A. Lang:** Möglichkeiten und Grenzen der OSL-Datierung limnischer Sedimente. Dept. of Geography, University of Kiel, Germany (16.08).
- Lang, A. & B. Mauz:** OSL dating of lake sediments: possibilities and limitations. Workshop on the palaeolimnology of Lake Qarun Egypt, Dept. of Geography, UCL, London (24.06).
- Dearing, J., Lang, A., Foster, G. & T. Coulthard:** Environmental change in Lac d'Annecy and its catchment: environmental historicism and new modelling. CLIMALPS, Holocene Climate variability in the Alps: towards a common framework?, Aix-les-bains, France, (15-18. 01.) (invited talk).
- 2003**
- Lang, A.:** Soil erosion is not just a modern problem: human impact on historic and prehistoric Germany. School of Biological and Environmental Sciences, University of Stirling, (08.12) (invited talk).
- Mauz, B., Lang, A. & R. Dikau:** Luminescence Dating of Gully infills - Gully erosion in Mountain Areas: Processes, Measurement, Modelling and Regionalization. 15th-17th October Digne - les - Bains, France (15 – 17. 10)
- Lang, A. & B. Mauz:** The new Luminescence Dating Laboratory at Liverpool - UK Luminescence and ESR Meeting, Aberystwyth, UK (08 – 10. 09)
- Lang, A., Niller, H.-P. & M. Rind:** Human-induced landscape degradation in Bronze Age Germany. An example from Frauenberg at Weltenburg, Bavaria. XVI INQUA International Congress, Reno (Nevada), USA (23 – 30. 07.)
- Rousseau, D.-D., Antoine, P., Moine, O., Hatte, C., Lang, A., Zoeller, L. & M. Fontugne:** Rapid aeolian events within the last glacial loess series of Europe (EOLE Project). XVI INQUA International Congress, Reno (Nevada), USA (23 – 30. 07.)
- Lang, A.:** Läßt sich Bodenerosion datieren? Möglichkeiten und Grenzen der Altersbestimmung von Bodenerosionsablagerungen – Kolluvien, Ausedimente und Landschaftsgeschichte - Tagung des Arbeitskreis Bodengeographie, Regensburg, Germany (01 – 03. 05) (invited talk).
- 2002**
- Nyssen, J., Moeyersons, J., Poesen, J., Deckers, J., Mitiku Haile, Lang, A.:** The environmental significance of the end of tufa dam build-up during the early to middle Holocene in Northern Ethiopia – IAG International Symposium on Climate Changes, Active Tectonics and Related Geomorphic Effects in High Mountain Belts and Plateaux. Addis Ababa, Ethiopia (09 – 10. 12)
- Lang, A.:** Zeitliche Erfassung vergangener Umweltveränderungen - Fortschritte in der OSL-Datierung – Gedächtnisskolloquium für Prof. Dr. Wolfgang Andres, Frankfurt, Germany (06.12) (invited talk).
- Lang, A. & C. Hatté:** High-resolution chronologies for loess: comparing AMS ¹⁴C and optical dating results – 10th International Conference on Luminescence and Electron Spin Resonance Dating; Reno, Nevada, USA (24 – 28.06.)
- Zoller, L., Lang, A., Hatté, C., Rousseau, D.-D., Antoine, P. & U. Hambach:** Relevance of luminescence dating for high resolution chronology and paleoenvironmental reconstruction of last glacial loess – 10th International Conference on Luminescence and Electron Spin Resonance Dating; Reno, Nevada, USA (24 – 28.06.)
- Wallinga, J. & A. Lang:** Beyond Aeolian Sediments: Applications of Luminescence Dating in Fluvial, Colluvial and other Sedimentary Environments. Luminescence Dating – Commemoration Conference Martin Aitken, Clermont-Ferrand, France (10 – 12.04.).
- Antoine, P., Rousseau, D. D., Zöller, L., Lang, A., Fontugne, M. & C. Hatté:** Mise en évidence d'événements éoliens rapides en contexte loessique : l'exemple de la séquence pléniglaciaire

supérieure de Nussloch (Vallée du Rhin-Allemagne). Evenements rapides, instabilites, changements culturels au quaternaire – colloque international CNF INQUA / AFEQ. Aix-en-Provence, France (24 – 26.01.)

Hatté, C., Antoine, P., Fontugne, M., Lang, A., Rousseau, D. D., & L. Zöller: Organic matter Delta13C of the Nußloch loess sequence (Rhine Valley, Germany). Evenements rapides, instabilites, changements culturels au quaternaire – colloque international CNF INQUA / AFEQ. Aix-en-Provence, France (24 – 26.01.)

2001

Lang, A., Kadereit, A. & S. Hönscheidt: Eight millennia of soil erosion: some examples from Southern Germany. Belgian Soil Science Society - Thematic Day on soil degradation and soil conservation. Leuven, Belgium (14.11.)

Fuchs, M., Lang, A. & G.A., Wagner: Geoarchaeological reconstruction of holocene soil erosion in the Phlious Basin, NE-peloponnese/Greece, using OSL-dating techniques. Jahrestagung der Gesellschaft für Naturwissenschaftliche Archäologie Archaeometrie Esslingen, Germany (18 – 19.09.)

Kadereit, A., Lang, A., Hönscheidt, S., Wagner, G.A. & R.-H., Behrends: OSL-dated colluvia near archaeological sites as a key to Holocene landscape reconstruction in SW-Germany. Jahrestagung der Gesellschaft für Naturwissenschaftliche Archäologie Archaeometrie Esslingen, Germany (18 – 19.09.)

Wagner, G.A., Behrends, R.-H., Kadereit, A., Lang, A & Hönscheidt, S.: OSL-dated colluvia near archaeological sites as a key to Holocene landscape reconstruction in SW-Germany. PEPIII Conference, Aix-en-Provence, France, (27 – 31. 08.)

Dikau, R. & Lang, A.: Land use and climatic impacts on the Rhine River System during the period of agriculture, Global Change Open Science Conference, Amsterdam (10 – 13.07.)

Lang, A.: Long time-spans and large regions: can numerical models help in understanding fluvial system evolution - Introduction. Workshop: Modelling Approaches for the RhineLUCIFS Research Framework, Düsseldorf (04 – 06.05.)

Preston, N., Schmidt, J., Lang, A. & R. Dikau: Modelling sediment flux at large spatio-temporal scales using frequency/magnitude of processes. Workshop: Modelling Approaches for the RhineLUCIFS Research Framework, Düsseldorf (04 – 06.05.)

Lang, A.: The Holocene landscape development of the loess regions in Germany. Colloquium of the Department of Geography and Geology, Katholieke Universiteit Leuven, Belgium (10.04.) (invited talk).

Lang, A.: Eight millennia of man-landscape interactions in South Germany. Colloquium of the School of Earth Sciences at Wellington, New Zealand (20.02.) (invited talk).

2000

Fuchs, M., Lang, A. & G.A. Wagner: Geoarchaeology of the Phlious basin, NE-Peloponnese, Greece: Reconstructing landscape change using OSL–Dating techniques. International Conference: The Alluvial Archaeology of North-West Europe and The Mediterranean, Leeds, UK (18-19.12)

Kadereit, A., Lang, A., Müth, J., Hönscheidt, S. & G.A. Wagner: IR-OSL-dated colluvial sediments as a key to Holocene landscape reconstruction. Case studies from SW-Germany: The Alluvial Archaeology of North-West Europe and The Mediterranean, Leeds, UK (18-19.12)

Behrends, R. H., Hönscheidt, S., Kadereit, A., Lang, A. & G.A. Wagner: OSL-dated colluvia as a key to Holocene landscape reconstruction in SW-Germany. International Colloquium of the DFG Priority Programme "Changes of the Geo-Biosphere during the last 15.000 Years. Continental Sediments as Evidence for Changing Environmental Conditions" Bonn (30.11-01.12)

Kadereit, A., Lang, A., Müth, J., Hönscheidt, S. & G.A. Wagner: IR-OSL-datierte Kolluvien als Schlüssel zur Landschaftsrekonstruktion. Fallbeispiele aus SW-Deutschland. Jahrestagung des Deutschen Arbeitskreis Geomorphologie, Trier (4.-7.10.).

Fuchs, M., Lang, A. & G.A. Wagner: Rekonstruktion holozäner Landschaftsveränderungen auf Basis von OSL–Datierungen am Beispiel Phlious, NE-Peloponnes / Griechenland. Jahrestagung des Deutschen Arbeitskreis Geomorphologie, Trier (4.-7.10.).

Fuchs, M., Lang, A. & G.A. Wagner: Die OSL-Datierungsmethode und ihre Anwendung zur Rekonstruktion holozäner Reliefveränderungen am Beispiel des Beckens von Phlious / NE-

- Peloponnes (Griechenland). Jahrestagung der deutschen mineralogischen Gesellschaft, Heidelberg (24.-29.09.).
- Fuchs, M., Lang, A. & G.A. Wagner:** Geoarchäologische Untersuchungen im Becken von Phlious / NE-Peloponnes - Anthropogene Beeinflussung der Holozänen Landschaftsgenese. Jahrestagung Gesellschaft für Naturwissenschaftliche Archäologie, Soest (11.-15.09.).
- Lang, A. & A. Panin:** Dating techniques for long-term soil erosion research. Long-term soil erosion and soil conservation. European Society for Soil Conservation (ESSC) - workshop, Oxford/UK (15.-17.09.).
- Lang, A. & R. Dikau:** Changes in slope-channel coupling during 7500 years of soil erosion. A conceptual model developed in the loess hills of South Germany. COST 623 Soil Erosion and Global Change, Almeria, Spain (08.-10.09.).
- Lang, A.:** A frequency analysis of phases of colluviation in the loess hills of south Germany based on optical dating, GERTEC: Geomorphic Response to Land Use Changes, International Symposium; Smolenice, Slovak Republic (29.05-02.06.).
- Preston, N. J., Lang, A., & R. Dikau:** Reconstructing geomorphic responses to late Holocene land use changes, GERTEC: Geomorphic Response to Land Use Changes, International Symposium; Smolenice, Slovak Republic (29.05-02.06.).
- Lang, A.:** The Rhine river catchment - the proposed German study site for LUCIFS, 2nd PAGES-LUCIFES workshop Bonn (20.-23.03.).
- Lang, A.:** OSL-dating of colluvial sediments from Germany, Colloquium of the National Physical Research Laboratory, Ahmedabad, India (14.02.) (invited talk).
- Lang, A.:** The role of OSL-dating in unveiling 7000 years of man-landscape interactions in South Germany, International Symposium on Luminescence and its applications, Vadodara, India (07.-10.02.) (invited talk).
- 1999**
- Lang, A.:** Prozesse der Kolluvienbildung. Kolluvien als Archive (vor-) geschichtlichen Landschaftswandels - workshop des DFG SPP 'Wandel der Geo-Biosphäre während der letzten 15.000 Jahre', Regensburg (19.-20.11.) (invited talk).
- Fuchs, M., Lang, A., Wagner, G.A.:** Reconstructing soil erosion using OSL – dating techniques in the basin of Phlious / NE Peloponnes, Greece. ESSC workshop, Bonn (29.-31.10.).
- Preston, N., Lang, A. & R. Dikau:** Modelling Late Holocene Landform Development through processes of sediment redistribution. ESSC workshop, Bonn (29.-31.10.).
- Fuchs, M., Lang, A., Wagner, G.A.:** OSL-Datierungen an Sedimenten des Beckens von Phlious, NE Peloponnes / Griechenland. 5. Deutsches Lumineszenz- ESR-Kolloquium, Mendig (22.-24.10.).
- Zolitschka, B., Brauer, A., Stockhausen, H., Lang, A. & J.F.W. Negendank:** Comparison of a multiple dated lake site in Germany with Greenland ice cores for the last 23,000 calendar years. 4th workshop of the European Lake Drilling Programme, Lund, Sweden (22.-26.9.).
- Preston, N., Lang, A. & R. Dikau:** Modelling Late Holocene Landform Development. BGRG Symposium, Hull (17.-19.09.).
- Banerjee, D., Murray, A.S., Lang, A. & L. Bøtter-Jensen:** Equivalent Dose estimation from a single aliquot of polymineral fine-grains. 9th International Conference on Luminescence and ESR Dating, Rome (06.-10.09.).
- Lang, A.:** A validation of optical dating of Holocene waterlain sediments: Test cases from South Germany. 9th International Conference on Luminescence and ESR Dating, Rome (06.-10.09.).
- Lügger, K., Lang, A. & L. Zöller:** Luminescence dating of sediments from the peat bog of Les Echets, France. 9th International Conference on Luminescence and ESR Dating, Rome (06.-10.09.).
- Lang, A. & B. Zolitschka:** An optical dating study of varved lake sediments from Holzmaar, Eifel, Germany. 9th International Conference on Luminescence and ESR Dating, Rome (06.-10.09.).
- Fuchs, M., Lang, A. & G.A. Wagner:** Applications of OSL-Sediment Dating in the Phlious Basin, NE Peloponnes, Greece. 9th International Conference on Luminescence and ESR Dating, Rome (06.-10.09.).
- Kadereit, A., Lang, A., Wagner, G.A. & R.H. Behrends:** Die Landschaftsentwicklung im Kraichgau: eine erste Synthese, DFG-Kolloquium, Bonn (01.-02.07.).

- Vogt, R. & A. Lang:** Ergebnisvergleich unterschiedlicher Datierungsmethoden (Artefakte, OSL, C-14) am Beispiel eines Kolluviums in Horn am Bodensee, 3. Deutscher Archäologenkongress, Heidelberg (25.-28.05.).
- Maran, J., Casselmann, C., Falkenstein, F., Fuchs, M. Ittameier, D. Lang, A. & G.A. Wagner:** Geoarchäologische Untersuchungen in der Ebene von Phlious, Nordost-Peleponnes. 3. Deutscher Archäologenkongress, Heidelberg (25.-28.05.).
- Lang, A.:** Timing the reworking of loess: Optical dating of Holocene sediments from South Germany. Loessfest 99 INQUA conference, Bonn (26.03.-01.04.).
- Lang, A. & A. Kadereit:** Periods of increased reworking of loess during the Holocene: examples from South Germany. Loessfest 99 INQUA conference, Bonn (26.03.-01.04.).
- Hatté, C., Pessenda, L.C.R., Fontugne, M., Zöller, L., Antoine, P., Rousseau, D. D., & A. Lang:** ¹⁴C-AMS dating of loess organic matter of the Nußloch loess sequence. Loessfest 99 INQUA conference, Bonn (26.03.-01.04.).
- Antoine, P., Rousseau, D. D., Zöller, L., Fontugne, M., Hatté, C., & A. Lang:** High resolution record of the last Interglacial-glacial cycle in the loess and palaeosol section at Nußloch, Rhine Valley, Germany. Loessfest 99 INQUA conference, Bonn (26.03.-01.04.).
- Rieser, U. & A. Lang:** Optisch Stimulierte Lumineszenz als Werkzeug der Geoarchäologie, 63. Physikertagung – Jahrestagung der Deutschen Physikalischen Gesellschaft, Heidelberg (15.-19.03.).
- Lang, A.:** ‘DDD’: eine objektorientierte Datenbank zur Berechnung und Verwaltung von Dosisleistungsdaten. Kolloquium Forschungsstelle Archäometrie, MPI-Kernphysik, Heidelberg (23.02.) (invited talk).
- Lang, A.:** Die Optische Datierung von holozänen Sedimenten. Kolloquium des Geographischen Instituts, Regensburg (12.01.) (invited talk).
- 1998**
- Lang, A.:** Ergebnisse des Laborvergleichs. 4. Lumineszenz- und ESR-Datierungskolloquium, Dresden (23.-25.10.).
- Wagner, G. A. & A. Lang:** Luminescence dating of sediments from Mustang/Nepal. 4. Lumineszenz- und ESR-Datierungskolloquium, Dresden (23.-25.10.).
- Fuchs, M., Lang, A., Maran, J. & G.A. Wagner:** Anthropogene Beeinflussung holozäner Landschaftsgenese: Das Becken von Phlious (NE-Peleponnes). 4. Lumineszenz- und ESR-Datierungskolloquium, Dresden (23.-25.10.).
- Habermann, J., Lang, A. & G.A. Wagner:** Dating of rock surfaces using Luminescence. Demokritos Institute, Athens, Greece (13.10.98) (invited talk).
- Kadereit, A., Lang, A. & G.A. Wagner:** Kolluviale Sedimente als Schlüssel für die Holozäne Landschaftsgenese. 3. Mitteleuropäische Geomorphologen-Tagung, Jena (08.-11.10.).
- Fuchs, M., Lang, A., Bassiacos, J., Maran, J. & G.A. Wagner:** Geoarchäologische Untersuchungen im Becken von Phlious: Gemeinsame Jahrestagung des Arbeitskreises Archäometrie und Denkmalpflege der Deutschen Mineralogischen Gesellschaft und des Arbeitskreises Archäometrie der Gesellschaft Deutscher Chemiker, Würzburg (23.-25.09.).
- Mahr, A., Völkel, J. & A. Lang:** Die Altersstellung periglazialer Hangsedimente im Bayerischen Wald'. DEUQA, Hannover (14.-18.09.).
- Zöller, L., Antoine, P., Fontugne, M. Hatté, C., Jäger, K.D., Kukla, G., Lang, A. & D.D. Rousseau:** Der letzte Glazial-Interglazialzyklus in mitteleuropäischen Lössen. DEUQA, Hannover (14.-18.09.).
- Lang, A.:** Optical dating of soil erosion derived colluvial sediments. Long term effects of land use on soil erosion in a historical perspective European Society for Soil Conservation (ESSC) - workshop, Müncheberg (11.-13.09.).
- Kadereit, A. & A. Lang:** Long term records of soil erosion extracted from colluvial sediments. Examples from the loess hills of South Germany. Long term effects of land use on soil erosion in a historical perspective, European Society for Soil Conservation (ESSC) - workshop, Müncheberg (11.-13.09.).
- Banerjee, D., Murray, A.S., Lang, A. & L. Bøtter-Jensen:** Equivalent Dose estimation from a single aliquot of polymineral fine-grains. Luminescence and ESR Research Seminar, Cheltenham/UK (7.-9.09.).
- Lang, A.:** Optical dating of Lateglacial and Holocene sediments: Test cases from water born sediments. 12th International Conference on Solid State Dosimetry, Burgos/Spain (6.-10.07.).

Lang, A., Rieser, U. & J. Haberman: Optical dating using a Luminescence spectrometer. 12th International Conference on Solid State Dosimetry, Burgos/Spain (6.-10.07.).

Kadereit, A., Lang, A. & G.A. Wagner: Colluvial sediments near archaeological sites as key to the past landscape evolution - a geoarchaeological case study from the Kraichgau hills/South Germany. 30th International Symposium on Archaeometry, Budapest/Hungary.

Wagner, G.A., Wagner, I., Lang, A., Reindel, M., & N. Guillaume-Gentil: Luminescence dating at the archaeological site of La Cadena/Ecuador. 30th International Symposium on Archaeometry, Budapest/Hungary.

Baade, J., Lang, A., Mäusbacher, R. & G.A. Wagner: Quaternary lake deposits in the Thakkhola Graben, Mustang, Nepal. Himalaya-Karakorum-Tibet International Workshop, Peschawar/Pakistan.

Zöller, L. & A. Lang: Luminescence Dating of open air sites and archaeological sediments from Middle Europe. Society for American Archaeologists, Seattle, Washington (25.-29.03).

1997

Lang, A.: OSL-Datierungen kontinentaler Sedimente: Ergebnisse von unabhängig datierten Ablagerungen. DFG Kolloquium 'SPP Wandel der Geo-Biosphäre während der letzten 15.000 Jahre', Bonn.

Lang, A. & A. Kadereit: Die holozäne Landschaftsentwicklung im Kraichgau: Erste Ergebnisse. DFG Kolloquium 'SPP Wandel der Geo-Biosphäre während der letzten 15.000 Jahre', Bonn.

Lang, A.: Optical-dating of Late Glacial and Holocene sediments: Test cases from water born sediments of central Europe, 4th International Conference on Geomorphology, Bologna/Italy.

Lang, A.: OSL-Datierungen fluvialer, colluvialer und limnischer Sedimente. Ergebnisse von unabhängig datierten holozänen Ablagerungen. 3. Lumineszenz- und ESR-Datierungs-kolloquium, Köln.

Kadereit, A. & A. Lang: Colluvial Sediments as a key to the Holocene landscape evolution of early settled areas - a case study from the Kraichgau-Hills, southern Germany. 4th International Conference on Geomorphology, Bologna/Italy.

Singhvi, A., Lang, A., Banerjee, D. & N. Juyal: Optical dating of poorly bleached sediments - some improvements and some lessons from TL-IRSL intercomparisons, meeting on quaternary deserts and climatic change, Wollongong/Australia.

Wagner, G. & A. Lang: OSL-Datierungen von archäologischen Sedimenten. Jahrestagung Archäometrie und Denkmalpflege, Wien/Austria (Invited presentation).

Lang, A. & A. Singhvi: Improvements in Optical Dating of Partially Bleached Sediments - The 'ultimate' partial bleach method, Specialist Seminar - Luminescence Dating: Methods and Applications, Aarhus/Denmark.

Lang, A. & Rieser, U.: Optical-Dating of Late Glacial and Holocene Sediments: Test Cases from Water Born Sediments of Central Europe, Specialist Seminar - Luminescence Dating: Methods and Applications, Aarhus/Denmark.

Lang, A.: IR-OSL-dating of anthropogenic sediments from South Germany, Desert Research Institute, Reno/USA (Invited talk).

1996

Lang, A.: OSL-Datierungen wenig gebleichter Sedimente. 2. Lumineszenz- und ESR-Datierungskolloquium, Freiberg.

Singhvi, A. & A. Lang: The ultimate partial bleach method in OSL-dating: some thoughts and some results. 2. Lumineszenz- und ESR-Datierungskolloquium, Freiberg.

Lang, A.: Lumineszenz-Datierungen im Spannungsfeld zwischen Anspruch und Wirklichkeit. 2. Mitteleuropäische Geomorphologen-Tagung, Stuttgart.

Lang, A.: Kolluviale Sedimente als Archive der Landschaftsentwicklung: Besteht die Möglichkeit Prozeßmodelle der Bodenerosion für eine quantitative Landschaftsrekonstruktion heranzuziehen? DFG Kolloquium 'Kolluvien, Hangsedimente und Böden', Regensburg.

Lang, A. & G.A. Wagner: Infrared stimulated luminescence dating of Holocene colluvial sediments using the 410 nm emission. 8th International Specialist Seminar on Luminescence and Electron Spin Resonance Dating, Canberra/Australia.

Lang, A., Lindauer, S., Kuhn, R. & Wagner, G.A.: Procedures used for optically and infrared stimulated luminescence dating of sediments in Heidelberg. 8th International Specialist Seminar on Thermoluminescence and Electron Spin Resonance Dating, Canberra/Australia.

Lang, A.: Möglichkeiten und Grenzen der Optischen Datierung fluvialer Sedimente. DFG Kolloquium 'Auensedimente', Jena.

1995

Lang, A.: New physical techniques and their possible applications for dating slope movements, 3rd EU TESLEC Meeting, Heidelberg (Invited talk).

Lang, A. & G.A. Wagner: Optisch stimulierte Lumineszenz Datierungen, DFG Kolloquium, Bonn.

Lang, A.: Datierung von Archäosedimenten mittels Optisch Stimulierter Lumineszenz. Hugo-Obermaier-Tagung 1995, Mannheim.

Lang, A.: OSL-Datierungen von periglazialen Deckschichten im Bayerischen Wald. Methodische Probleme und erste Ergebnisse, DFG Kolloquium, Deggendorf.

Lang, A. & G.A. Wagner: Optical and infrared stimulated luminescence dating of late glacial and Holocene sediments. XIX INQUA Congress, Berlin.

Lang, A.: Sedimentdatierung mittels Optisch Stimulierter Lumineszenz. Deutscher Arbeitskreis für Geomorphologie, Greifswald.

Lang, A.: IRSL- und OSL-Sedimentdatierung in Heidelberg. Erstes Mitteleuropäisches Lumineszenz- und ESR-Datierungskolloquium, Heidelberg.

1994

Lang, A. & G.A. Wagner: IRSL-dating of archaeosediments. 29th International Symposium on Archaeometry, Ankara/Turky (Invited talk).

Lang, A. & G.A. Wagner: Landschaftsentwicklung, Besiedlungsgeschichte und Bodenerosion im Spiegel OSL-datierter Sedimente im Kraichgau. DFG Kolloquium, Bonn.

Lang, A.: Lumineszenz-Datierungen holozän umgelagerter Sedimente im Kraichgau. LDA-Baden-Württemberg: Kolloquium 'Anthropogene Landschaftsveränderungen im prähistorischen Südwestdeutschland', Bruchsal (Invited talk).

Lang, A.: IRSL-dating of loessic sediments. UK Luminescence and ESR dating meeting, Egham/UK.

Lang, A.: Datierung holozäner Sedimente mittels Infrarot Stimulierter Lumineszenz. 1. Mitteleuropäische Geomorphologen-Tagung, Vienna/Austria.

Wiggenhorn, H. & A. Lang: Infrarot Stimulierte Lumineszenz: Physikalische Grundlagen und Datierungsanwendung. Geophysikalisch-kosmochemisches Kolloquium, Heidelberg.

1993

Lang, A.: Luminescence dating of Holocene reworked silty sediments. 7th International Specialist Seminar on Thermoluminescence and Electron Spin Resonance Dating, Krems/Austria.

Lang, A.: Infrared Stimulated Luminescence: a new tool to date reworking of loess. International Geomorphology Conference, Hamilton/Canada.

Zöller, L. & A. Lang: Thermally and Infrared Stimulated Luminescence as dating tools for loess-palaeosol sequences and palaeosurfaces in loess alluvium. International Geomorphology Conference, Hamilton/Canada.

Zöller, L., Lang, A. & G.A. Wagner: Luminescence Dating in Archaeology and Quaternary Geology. 2nd Symposium of the Hellenic Archaeometrical Society (26.-28.03).

Grants

Under review:

SMARTLand: Sustainable Management Approaches through Research Teambuilding in Landscapes
EU H 2020 MSCA-ITN-2016; Budget: 3 0380 68,80 EUR (gesamt); 255 934,08 EUR (PLUS)

Deciphering the disintegration and energy dissipation of rock avalanches: luminescence and rock magnetic thermometry; D-A-CH / FWF; Budget: 491 320,15 EUR (gesamt); 220 651,62 EUR (PLUS)

HRSM Projekt: Core Facility für wissenschaftliche Bohrkernanalysen; Lead: Universität Innsbruck - (Prof. Dr. Michael Strasser); 330 000 EUR (gesamt); 33 000 (PLUS)

SUSTER (Sustainability, Soils, Society and Terraces: A Novel Approach to Agricultural Heritage Systems in Europe). ERC advanced grant; Project lead: Prof Tony Brown, Geography and Environment, University of Southampton; Budget: 2 490 000 EUR (gesamt); 360 000 EUR (PLUS)

Quantifying the long-term (150Myr) flux of sediment from southern Africa to the Atlantic Ocean
NERC Case project with GETECH; Project lead: David Hodgson, University of Leeds; £ 70 k.

Research Grants: Principal Investigator:

Exploring an archive of (neo-) tectonic movements in the Western Balkans - Lang, A. Muceku, B. & J. Holtvoet. Pump prime study; Royal Society; January 2012, £ 6 k. Grant Reference IE111480.

Testing the English Channel megaflood hypothesis by establishing the stratigraphy, sedimentology and chronology of shelf incision – NERC CASE project with Hansom Aggregates £ 67 818. July 2008, Grant reference NE/F013388/1.

Identifying electron recombination pathways in quartz and feldspars for improved dosimetric dating–
Council for the Central Lab of the Research Councils (CCLRC): SRS Daresbury experiment proposal; Lang, A., Towlson, B., Mauz, B., Plater, A. & C. Woda, November 2006, £ 40 000. Grant reference 48193.

Luminescence mapping of diatom silica based on synchrotron-laser pump-probe interactions -
CCLRC: SRS Daresbury experiment proposal; A. Lang, B. Mauz, A. Plater & Towlson, November 2005, £ 33 900. Grant reference: 46350.

Linking the structural and optical properties of biogenic silica - CCLRC: SRS Daresbury experiment proposal; A. Lang, N. Poolton, A. Mallins, B. Mauz & A. Plater, February 2004, £ 42 000. Grant reference: 42024.

Optical dating of sediments from the Lac d’Annecy catchment - a feasibility study. Research Development Fund, University of Liverpool; June 2003: 4000 £.

The relevance of measuring current geomorphic processes for the reconstruction of longer term and larger scale landscape evolution.
Onderzoeksfonds K.U. Leuven; Grant no.: OT/02/28
to A. Lang, G. Govers, J. Poesen, A. Van Rompaey, G. Verstraeten
March 2002: EUR 350 000 for four years.

Die Bedeutung geomorphologischer Entwicklungen - rekonstruiert aus Sedimentkörpern - für die archäologische Forschung.
Bundesministerium für Bildung und Forschung BMBF; Schwerpunktprogramm: Neue Technologien in den Geisteswissenschaften. Grant no.: LA9HE2 to Dr. A. Lang
October 2000: DM 276,500 for two years
August 1999: Supplement for Geophysical investigations DM 49,000 for one year.
January 1998: DM 285,000 for three years

Research Grants: Co Investigator:

Landscape Evolution Modelling - bridging the gap between field evidence and numerical models – Symposium. VW Stiftung; W. Schwanghart (Potsdam), A. Schneider (Cottbus), B. Briant (London) & A. Lang (Liverpool); EUR 24 800.

Uranium mobility in surface sediments of Libya – PGR project of Sama Abdualhadi £ 55 000. Nolan & Lang; December 2012.

Linking elevated U-concentrations in soils and sediment to animal health, Etosha National Park, Namibia. B Mauz, M. Hipondoka & A. Lang; Ferington Hopkins Trust; November 2012, £ 7500.

Late Quaternary evolution of the Ord River (Kimberley, Australia) and Yamuna River (India). A. Heimsath, A. Chivas, A. Dosseto, Z. Swander, M. Brandmeir & A. Lang; August 2012, £12 500 OSL sub contract;

Man-landscape interaction at Çatalhöyük (Turkey) by E. Asuti, R. Chiverrell & A. Lang; Leverhulme Trust January 2005, £7500 OSL sub contract; duration 2013-2015

Continuous vs. episodic fluviodeltaic sedimentation: Implications for carbon sequestration and coastal restoration. NSF collaborative project; Z. Shen, T. Rosenheim, T. Tornquist, B. Mauz & A. Lang. \$332,363 total; 21 k \$ to Liverpool; April 2012; Grant reference: 1148005

Antecedent fluvial systems on an uplifted continental margin: constraining Cretaceous to present-day drainage basin development in southern South Africa. D.M. Hodgson, A. Wilson & A. Lang. £ 57 000. September 2011, Industry Consortium.

VERSOX (Versatile Soft X-ray Beamline). Diamond Light Source construction phase III. A. Evans, G. Held, S. Schroeder, B. Hamilton, N. Mason, K. Wilson, A. Lang, R. Smith, J. O'Shea, S. Dhesi, H. Wang, T. Lee & F. Venturini. £ 5.5 M; June 2011; Grant reference: BLP059

A new portable scintillation detector for environmental detection of radionuclides EPSRC studentship for Roweda Abujabha; Nolan & Lang; January 2011. £ 53 000. July 2008

Advanced optical micro-imaging methods for determining the structural and chemical state of materials: development of, and access to equipment. N. Poolton, DA Evans & A. Lang; May 2008; £216 413; EPSRC grant reference EP/F065272/1

Identifying recombination pathways in chip cards and electronic components for accident dosimetry– Science and Technology Facilities Council (STFC): SRS Daresbury experiment proposal; Woda, Graham, Towlson, Poolton, Mauz & Lang; July 2007, £ 49 000. Grant reference 50198.

Micro-imaging synchrotron-laser pump-probe interactions – Council for the Central Lab of the Research Councils (CCLRC): SRS Daresbury experiment proposal; N. Poolton & A. Lang; November 2006, £ 67 800 (total), Liverpool: £ 33 900. Grant reference 46058.

Micro-imaging of optically-detected x-ray absorption spectroscopy in materials of geological significance: an exploration of potential - CCLRC: SRS Daresbury experiment proposal; N. Poolton, B. Towlson, M. Pantos, O. Pantos, J. Bythell, A. Lang, B. Mauz, A. Plater &, A. Finch; July 2005, £ 42 000 (total), Liverpool: £ 14 000. Grant reference: 42024.

Geoarchaeological heritage and the implications of aggregate extraction in the Ribble Valley - English Heritage ALSF (Aggregate Sustainability Fund); January 2005, £7500 OSL sub contract; Grant reference: ALSF 107.

Pump-probe studies of defects in wide band-gap alumino-silicates - CCLRC: SRS Daresbury experiment proposal; N. Poolton, A. Mallins, B. Mauz, A. Lang & M. Jain; February 2004, £ 42 000 (total), Liverpool: £ 14 000. Grant reference: 42015.

Jungholozäne Bodenerosion im Frankenforst Einzugsgebiet und ihre Modellierung. Deutsche Forschungsgemeinschaft (DFG); Sonderforschungsbereich 350: Wechselwirkung kontinentaler Stoffsysteme und ihre Modellierung; Grant no.: B15 to Prof. Dr. R. Dikau and Dr. A. Lang. September 2000: DM 40,500 for six month.

Landschaftsentwicklung, Besiedlungsgeschichte und Bodenerosion im Spiegel OSL-datierter Sedimente im Kraichgau.

DFG; Schwerpunktprogramm: Wandel der Geo-Biosphäre während der letzten 15 000 Jahre. Kontinentale Sedimente als Ausdruck sich verändernder Umweltbedingungen. Grant no.: WA 287/10 to Prof. Dr. G.A. Wagner, Prof. Dr. D. Barsch, Dr. A. Lang and Dr. H. Behrends.
 September 1998: DM 280,000 for two years
 September 1996: DM 280,000 for two years
 September 1995: DM 140,000 for one year
 September 1994: DM 98,000 for one year
 September 1993: DM 60,000 for one year

Other Grants and Awards

Income generated through scientific cooperation on optical dating of sediments:
 £ 10-15 k annually.

British Sedimentological Research Group: research grant for terrestrial cosmogenic nuclide dating in the Cape Fould Belt, South Africa, March 2015, GBP 5k.

Sir Alastair Pilkington Award for Teaching Excellence 2013: to the module team of ENV5 120 for innovative interdisciplinary laboratory teaching realised in the Central Teaching Laboratory, University of Liverpool: March 2013, GBP 1.5 k.

Higher Education STEM programme: Curriculum development for the interdisciplinary Central Teaching Laboratory project at the University of Liverpool. Large-scale curriculum innovation and enhancement call; November 2010: GBP 32 k

Royal Society: Travel Grant for participation at IAHS Conference Christchurch NZ; November 2008.

Royal Society: Travel Grant for participation at XVI INQUA Congress Reno Nevada; July 2004.

DFG: Postdoctoral research fellowship. Within the Graduiertenkolleg 'Das Relief: eine strukturierte und veränderliche Grenzfläche'. May 2000, for two years.

DFG: Travel Grant for the participation at ISLA 2000, Vadodara, India, February 2000.

DFG: Conference-Grant. Reisekostenzuschuß für die Teilnahme osteuropäischer Teilnehmer am ESSC-workshop August 1999, DM 8,000 to Prof. Dr. R. Dikau and Dr. A. Lang.

DFG: Travel Grant for participation at 8th International Specialist Seminar on Luminescence and Electron Spin Resonance Dating, Canberra, April 1996.

Kurt Hiele-Stiftung, University of Heidelberg: Publication Grant, July 1995 for the publication of: Lang, A. (1996): Die Infrarot-Stimulierte-Lumineszenz als Datierungsmethode für holozäne Lössderivate. – *Heidelberger Geographische Arbeiten* 103, Heidelberg, 137 pp.

Kurt Hiele-Stiftung, University of Heidelberg: Consumables Grant, August 1992: DM 3,000 for dissertation research.

Landesgraduiertenförderung Baden Württemberg: Promotionsstipendium, April 1992 to April 1994.

Organisation of Scientific Meetings and Convening of Sessions

Member, Scientific Committee, IAG Regional conference in Barnaul (Russia) 2015

Geomorphology Division Programme at EGU 2015, Vienna, Austria, April 12. – 17. 2015

Union symposium: Celebrating 200 years modelling of geological processes (together with S. Buiter, V. Strak)

Geomorphology Division Programme at EGU 2014, Vienna, Austria, April 27. – May 02. 2014

Advances in Quaternary Geochronology. Convenor of session CL6.9/GM1.10/SSS3.8 at EGU 2014, Vienna, Austria, April 27. – May 02. 2014 (together with I. Hajdas, F. Parrenin, G. Duller & S. Ivy-Ochs)

Process-to-product: transfer functions for the stratigraphic record Convenor of session GM1.6/SSP2.4 at EGU 2014, Vienna, Austria, April 27. – May 02. 2014 (together with Rob Duller)

Towards a more accurate quantification of human-environment interactions in the past. Open PAGES Focus 4 Workshop Human-Climate-Ecosystem Interactions; University of Leuven, Belgium, February 3-7, 2014

Technological innovations for dating geomorphological events; Session S26E at IAG Paris, August 27-31, 2013 (together with S. Ivy-Ox; invited)

Geomorphology Division Programme at EGU 2013, Vienna, Austria, April 07. – 12. 2013.

New, original and successful ideas for teaching Earth Sciences Convenor of session SSS0.11/EOS11/BG1.11/GD1.7/GM1.4/HS1.5 at EGU 2013, Vienna, Austria, April 07. – 12. 2013. (together with A. Cerdà, G.H. de Rooij, C. Laj, J. H. Davies & G-J. Reichart)

Advances in Quaternary Geochronology. Convenor of session CL5.2/GM1.3 at EGU 2013, Vienna, Austria, April 07. – 12. 2013 (together with I. Hajdas, G. Duller, E. Wolff, F. Parrenin & T. Kiefer).

Complexity and nonlinearity in Earth surface processes – Concepts, methods and applications. Convenor of session GM1.1 at EGU 2013, Vienna, Austria, April 07. – 12. 2013. (together with M. Keiler, A.J.A.M. Temme & D. Karssenber)

Geomorphology Division Programme at EGU 2012, Vienna, Austria, April 22. – 27. 2012

Advances in Quaternary Geochronology. Convenor of session CL5.1/GM2.5 at EGU 2012, Vienna, Austria, April 22. – 27. 2012 (together with I. Hajdas, G. Duller, E. Wolff, F. Parrenin & T. Kiefer).

Complexity and nonlinearity in Earth surface processes – Concepts, methods and applications. Convenor of session GM2.4 at EGU 2012, Vienna, Austria, April 22. – 27. 2012 (together with M. Keiler, A.J.A.M. Temme & D. Karssenber)

BSG Annual Conference: Extreme Events. Co-organiser; Liverpool, 26.06 – 30.06.2011 (together with R. Chiverrell, J. Hooke & A. Plater)

- The changing geomorphic effectiveness of hydrological events. Convenor of session GM6.6 at EGU 2011, Vienna, Austria, April 03. – 08. 2011 (together with M. Bollschweiler, B. Notebaert, M. Stoffel & M. Borga)
- Advances in Quaternary Geochronology. Convenor of session CL4.7/GM2.4/SSP2.5 at EGU 2011, Vienna, Austria, April 03. – 08. 2011 (together with I. Hajdas, G. Duller & T. Kiefer).
- QRA annual discussion meeting: Palaeohydrology. Co-organiser; Liverpool, 04.01 – 06.01.2011 (together with R. Chiverrell, A. Plater, B. Mauz & F. Marret)
- BSG (BGRG) 50th Anniversary Conference; Co-organiser; Royal Geographical Society - Kensington, London, 31.08 – 02.09.2010 (together with B. Allison & R. Chiverrell)
- Simulation and uncertainty; session chair at the BSG (BGRG) 50th Anniversary Conference; London, 31.08 – 02.09.2010.
- Geomorphology and Terrestrial Carbon Cycling. Convenor of session GM4.3/SSS37 at EGU 2010, Vienna, Austria, May 02. – 07. 2010 (together with J. Kuhn, R. Aalto, T. Hoffmann, T. Quine, M. Evans, E. Cammeraat, M. Martínez-Mena & A. Cerdà).
- Advances in Quaternary Geochronology. Convenor of session CL4.7/GM2.4/SSP2.5 at EGU 2010, Vienna, Austria, May 02. – 07. 2010 (together with I. Hajdas, G. Duller & T. Kiefer).
- Contemporary education in engineering and the geosciences. Convenor of session EOS3 at EGU 2010, Vienna, Austria, May 02. – 07. 2010 (together with V.R. Thorndycraft, R. Chiverrell, G. Erkens, T. Hoffman).
- BSG Discussion meeting: Grand Challenges for the next 50 years; Co-organiser; Royal Geological Society - Burlington House, Piccadilly, London, 02.02.2010 (together with B. Allison & R. Chiverrell)
- Sediment budgets across time-scales: Landscape disturbance and the geomorphic record. Convenor of session GM1.5 at EGU 2009, Vienna, Austria, April 19. – 24. 2009 (together with Otto, J.C., Harrison, S., Hoffmann T., Knight, J., & Schrott, L.).
- Advances in Quaternary Geochronology. Convenor of session CL45 at EGU 2009, Vienna, Austria, April 19. – 24. 2009 (together with Duller, G. Hajdas, I.; Kiefer, T).
- Dating and source tracing technologies. Session chair at International Association of Hydrological Sciences (IAHS) and International Commission on Continental Erosion (ICCE) joint International Symposium on ‘Sediment dynamics in changing environments’, Christchurch, New Zealand (01.-05.12.08)
- Scientific techniques in archaeology. session convenor at International Field Workshop ‘Fortress Por-Bajin: Geoarchaeology and Protection of Cultural Heritage’, Por-Bajin, Tuva, Russia (29.07-05.08) (together with A. Panin).
- Geomorphic response to Holocene environmental change: Simplicity or complexity? Convenor of session GM2.4 at EGU 2007, Vienna, Austria, April 13. – 18. 2008 (together with T. Hoffman).
- Advances in Quaternary Geochronology. Convenor of session CL32 at EGU 2008, Vienna, Austria, April 13. – 18. 2008 (together with Duller, G. Hajdas, I.; Kiefer, T).
- Characteristics of Feldspar luminescence. Session chair at UK LED 2007, September 12-14, Sheffield, UK.
- Dynamics of landscape transience. Convenor of session GM12 at EGU 2007, Vienna, Austria, April 16. – 19. 2007 (together with L. Reinhardt, P. Bishop, M. Ellis)
- Quantifying and modelling human and climate controlled sediment dynamics. Convenor of session GM19 at EGU 2007, Vienna, Austria, April 16. – 19. 2007 (together with G. Verstraeten, P. Houben)
- Applied Quaternary Geochronology & High-resolution Radiocarbon Chronologies. Convenor of session CL32 at EGU 2007, Vienna, Austria, April 16. – 19. 2007 (together with G. Duller, I., Hajdas, T., Kiefer).
- UK Luminescence and ESR Meeting 2006, Liverpool, UK; September 6 – 9, 2006
- Challenges in geomorphological methods and techniques. Convenor of session GM16 at EGU 2006, Vienna, Austria, April 02. – 07. 2006 (together with T. Glade).
- Applied Quaternary Geochronology. Convenor of session CL31 at EGU 2006, Vienna, Austria, April 02. – 07. 2006 (together with G. Duller).
- Luminescence properties. Convenor of session at 11th international conference on Luminescence and Electron Spin resonance Dating, Cologne, Germany, July 24. – 29. 2005.
- Response of Fluvial Systems to Environmental Change. International Symposium; Co-organizer (together with A. Plater) Liverpool, UK, June 6. – 8. 2005.
- Challenges in geomorphological methods and techniques. Convenor of session GM16 at EGU 2005, Vienna, Austria, April 24. – 29. 2005 (together with T. Glade).
- Feldspars and emission spectra. Convenor of session at UK Luminescence and ESR Meeting, St Andrews, UK, September 05. – 08. 2004.
- OSL-dating applications in geomorphology and archaeology. Convenor of session at UK Luminescence and ESR Meeting, Aberystwyth, UK, September 08. – 10. 2003.
- Modelling of fluvial systems in the LUCIFS research framework. International workshop; Düsseldorf, May 2001 (organisation together with W. Schirmer & R. Dikau)

Berichtskolloquium des Graduiertenkollegs 'Relief - eine strukturierte und veränderliche Grenzfläche'; Bonn, 9 February 2001 (organisation together with R. Dikau)

Zweites deutsches LUCIFS Rundgespräch; Bonn, 2nd December 2000 (organisation together with R. Dikau)

Erstes deutsches LUCIFS Rundgespräch; Bonn, 7th June 2000 (organisation together with R. Dikau)

Influence of land use changes on behaviour of geomorphic processes. Convenor of session at GERTEC: Geomorphic Response to Land Use Changes, International Symposium; Smolenice, Slovak Republic, May-June 2000

Second International PAGES-LUCIFS workshop; Bonn, March 2000 (organisation together with R. Dikau)

Luminescence dating applications to sediments; Convenor of session at 'International Meeting for Luminescence Physics and its Applications', Ahmedabad, India, March 2000

Processes of colluvium formation; Convenor of session at Colluvium-workshop of the DFG Core Project 'Changes of the Geo-Biosphere', Regensburg, November 1999

- Longterm Effects of Land Use on Soil erosion; workshop of the European Society for Soil Erosion (ESSC), Bonn, September 1999 (organisation together with R. Dikau)

Physikalische Prozesse. Convenor of session at 'Drittes Mitteleuropäisches Lumineszenz- und ESR-Datierungskolloquium', Köln, October 1997

Erstes Mitteleuropäisches Lumineszenz- und ESR-Datierungskolloquium Heidelberg, October 1995 (organisation together with G.A. Wagner)

Membership in Scientific Organisations

- AGU American Geophysical Union
- BSG British Society for Geomorphology (formerly: BGRG) (Chair 2009-10, Fellow since 2013)
- Deutscher Arbeitskreis für Geomorphologie
- ESSC European Society for Soil Conservation
- EGU European Geoscience Union (President, Geomorphology Division, 2011-15)
- Gesellschaft für Naturwissenschaftliche Archäologie
- GSA Geological Society of America
- GSO German Scholars Organisation
- IAHS International Association of Hydrological Sciences
- RGS Royal Geographical Society (Fellow since 2010)
- VGDH Verband der Geographen an Deutschen Hochschulen
- QRA Quaternary Research Association UK