

Curriculum Vitae

Stella Kortekaas

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telephone: +33 328 237619

date of birth: 8 January 1973

place of birth: Ede, The Netherlands

nationality: Netherlands

Education history:

- 1996-2001: PhD, Coventry University, Department of Geography, UK
Title: Tsunamis, storms and earthquakes: distinguishing coastal flooding events.
- 1991-1996: BSc+MSc degree in Geology, Free University, Amsterdam, The Netherlands
With a specialisation in Marine Geology
Msc projects:
 - Foraminiferal analysis of sapropel S5, core TTR-188G, Eastern Mediterranean
 - Distribution of benthic foraminifera along a transect offshore Somalia, NW Indian Ocean
 - Miocene submarine channel deposits in the Sorbas Basin, SE Spain
- 1985-1991: VWO, Marnix College, Ede, The Netherlands
Final exams (advanced level) in: Dutch, English, German, Mathematics B, Physics, Chemistry and Geography
- 1979-1985: primary school: Toon Hermans School, Ede, The Netherlands

Short courses:

- 2004: GIS training course. Marine Institute Gdansk, Poland
- 1999: Short course on: Application of benthic foraminifera and thecamoebians for detecting environmental effects. University of Bologna Italy.
- 1997: Research Methods and Professional Skills Module. Coventry University, UK.
- 1996: Midlands Consortium for Graduate Research Training in Physical Geography. Midlands universities, UK.
- 1996: NSG-course (The Netherlands Research School of Sedimentary Geology):
Topics in palaeoceanography: The strontium cycle, its sedimentary record and use in geohistory analysis. Free University, Amsterdam, The Netherlands.

Employment history:

- 1/9/2003-present: Post-doc in the EUMARSAND project. Université du Littoral-Côte d'Opale, Dunkerque, France.
- 1/7/2001-31/12/2002: Marie Curie Fellowship. Institute of Geodynamics, National Observatory of Athens, Greece.
Project title: Geological identification of historical tsunamis: application in the Gulf of Corinth, Greece.

- 2000-2001: Consultancy. Coventry University, for Devonport Dockyard Ltd and AEA Technology. Tsunami risk assessment for the British nuclear submarine fleet at Devonport Dockyard, Plymouth, SW England.
- 22/6-1/8 2000: Geomorphology intern. Eastern Korinthian Archaeological Survey, Corinth, Greece. Project of Ohio State University and the American School of Archaeology in Athens.
- 1999-2000: Project assistant. Study of the Papua New Guinea tsunami disaster. Coventry University. Project funded by NERC (Natural Environment Research Council).
- 1996-2000: Part-time lecturing contract Coventry University:
 - First year tutorials in Physical Geography and Geology
 - Fossil practical
 - Several field excursions
- July 1994: Voluntary work for Legambiente in Italy
- July 1992: Voluntary work for SCI in France

Memberships:

- Marie Curie Association
- KNGMG (Royal Dutch Geology and Mining Association)
- GAIA (network for women in earth sciences)
- European Geosciences Union

Language skills:

- Dutch: mother tongue
- English: fluent
- German: well
- French: fair
- Greek: fair

Computer skills:

MS Office, Grapher, Corel Draw, Canvas, Adobe Illustrator, Surfer, ER-mapper and GIS (Arc View and Geomatica).

Publications and conference presentations:

Refereed Publications:

- Papadopoulos, G.A. and **Kortekaas, S.** 2003. Characteristics of landslide generated tsunamis from observational data. In: Locat, J. and Mienert, J. (eds.) *Submarine Mass Movements and their Consequence. Advances in Natural and Technological Hazards Research* 19. Kluwer Academic Publishers, 267-374.
- Cundy, A.B., **Kortekaas, S.**, Dewez, T., Stewart, I.S., Collins, P.E.F., Croudace, I.W., Maroukian, H., Papanastassiou, D., Gaki-Papanastassiou, P., Pavlopoulos, K. and Dawson, A. 2000. Coastal wetlands as recorders of earthquake subsidence in the Aegean: a case study of the 1894 Gulf of Atalanti earthquakes, central Greece. *Marine Geology*, 170, 3-26.
- **Kortekaas, S.**, Andrade, C., Andrade, M.A. and Dawson, A. 1999. Palaeotsunami deposits at Martinhal (SW Portugal) associated with the earthquake of November 1st 1755 AD. In: Heinrich, P. and Schindele, F. (eds.) *Tsunamis*, Proceedings International Conference on Tsunamis, May 1998, Paris, France, 57-66.
- Dawson, A.G., Shi, S., Dawson, S., Hindson, R., **Kortekaas, S.**, Dominey-Howes, D. and Smith, D.E. 1999. Linking tsunami deposits, submarine slides and offshore earthquakes. In: Heinrich, P. and Schindele, F. (eds.) *Tsunamis*, Proceedings International Conference on Tsunamis, May 1998, Paris, France, 25-41.

Non-refereed publications:

- **Kortekaas, S.** and Dawson, A.G. 2004. Tsunami vs. Storm deposits: identifying high energy coastal flooding events (abstract). *Geophysical Research Abstracts*, vol. 6, 01113.
- **Kortekaas, S.**, Papadopoulos, G.A., Ganas, A. and Diakantoni, A. 2003. Geological identification of historical tsunamis in the Gulf of Corinth, Greece (abstract). *Geophysical Research Abstracts*, vol. 5, 09909.
- Papadopoulos, G.A. and **Kortekaas, S.** 2003. Characteristics of landslide generated tsunamis from observational data (abstract). *Geophysical Research Abstracts*, vol. 5, 09828.
- **Kortekaas, S.** 2002. Tsunamis, storms and earthquakes: Distinguishing coastal flooding events. PhD thesis Coventry University. July 2002, pp 171.
- **Kortekaas, S.**, Cundy, A.B. and Stewart, I.S. 1999. Foraminifera as indicators of earthquake induced coastal flooding in the Gulf of Atalanti, Central Greece (abstract). *Newsletter of Micropalaeontology*, 60, 8.
- Ivanova, E.M., Troelstra, S.R. and **Kortekaas, S.** 1999. Signals of productivity along a seafloor transect offshore Somalia (NW Indian Ocean). In: Ivanova, E. *Late Quaternary monsoon history and paleoproductivity of the western Arabian Sea*. PhD thesis, Free University Amsterdam, 79-98.
- **Kortekaas, S.**, Andrade, C. and Andrade, A.M. 1998. Litoestatigrafia e foraminíferos do enchimento sedimentar da baixa do Martinhal - Algarve (Portugal) - dados preliminares. *V Portugueses Geological Congress*. November 98, Lisbon, Portugal.
- Dawson, A., **Kortekaas, S.**, Carreño, E. and Izquierdo, A. 1998. Rates of coastal change, Huelva, Spain. *IX Asamblea Española de Geodesia y Geofísica*, February 1998, Almería, Spain.
- Andrade, C., Andrade, A.M., **Kortekaas, S.** and Dawson A.G. 1997. Sedimentological traces of tsunamigenic overwash of the Martinhal lowland. In: *Seminário sobre a Zona Costeira do Algarve. Littoral '97, Proceedings. International Symposium Eurocoast*, July 1997, Faro, Portugal.
- Stewart, I.S., Cundy, A.B., Dawson, A., **Kortekaas, S.**, Dawson, S., Maroukian, H., Gaki-Papanastassiou, K., Pavlopolous, K., Papanastassiou, D. & Croudace, I. 1997. High-resolution coastal studies of recent earthquakes in central Greece (abstract). *Annales Geophysicae*, Suppl. I to Vol. 15, C236.
- **Kortekaas, S.** 1996. Foraminiferal analysis of sapropel S5, core TTR5-188G, Eastern Mediterranean (abstract). *Sedimentary basins of the Mediterranean and Black seas. 4th post-cruise meeting, Training-through-Research programme*, January 1996, Moscow and Zvenigorod, Russia. *MARINF-UNESCO*, 100, 20.

Reports:

- Dawson, A.G., Lockett, P., Foster, I.D.L., Dawson, S. and **Kortekaas, S.** 2001. Tsunami Hazard, Devonport Dockyard, SW England. Commissioned Report for Devonport Dockyard Limited and AEA Technology, SLG-HAZ-044, 117pp.
- Dawson, A.G., **Kortekaas, S.**, Dawson, S., Smith, D.E. and Andrade, C. 1999. GITEC-TWO final Scientific report, Coventry University, UK. In: Tinti, S. (ed.) *Genesis and Impact of Tsunamis on the European Coasts, Tsunami Warning and Observations*. GITEC-TWO. Final Scientific report of EU project.
- Cronin, B., Ivanov, M., Kozlova, E., Ivanova, E., Hunt, C., Akhmanov, G., Akhmetjanov, A., Mazzini, A., Belen'kaya, I.Yu., Efimova, T., Iking, E., **Kortekaas, S.**, Ordelman, W., Svinarenko, K., van der Zel, C. and van Zon, 1996. Bottom sampling data. In: Limonov, A.F., Kenyon, N.H., Ivanov, M.K. and Woodside, J.M. (eds.), *Mud volcanism and fluid venting in the eastern part of the Mediterranean Ridge*. Initial results of geological, geophysical and geochemical investigations

during the Fifth UNESCO-ESF “Training-through-Research” Cruise of R/V Logachev (July-September 1995), UNESCO: 61-111.

Conference presentations:

- **Kortekaas, S.** and Dawson, A.G. Tsunami vs. Storm deposits: identifying high energy coastal flooding events. *European Geosciences Union 1st General Assembly*. Nice, France, April 2004.
- **Kortekaas, S.**, Papadopoulos, G.A., Ganas, A. and Diakantoni, A. 2003. Geological identification of historical tsunamis in the Gulf of Corinth, Greece. *EGS-AGU-EUG Joint Assembly*. Nice, France, April 2003.
- Papadopoulos, G.A. and **Kortekaas, S.** 2003. Characteristics of landslide generated tsunamis from observational data. *EGS-AGU-EUG Joint Assembly*. Nice, France, April 2003.
- **Kortekaas, S.**, Papadopoulos, G.A., Ganas, A. and Diakantoni, A. Geological identification of historical tsunamis in the Gulf of Corinth, Central Greece. *Hazards 2002. Ninth International Symposium on Natural and Human-made Hazards*. Antalya, Turkey, October 2002.
- **Kortekaas, S.** Investigating palaeotsunamis in the Corinth Gulf. *Investigating Palaeoearthquakes and Palaeotsunamis in the Aegean Sea: A European-Japanese Research Collaboration*. Seminar held at the Cultural Section of the Embassy of Japan, Athens, Greece, June 2002.
- Papadopoulos, G.A. and **Kortekaas, S.** Runup and attenuation patterns of landslide tsunamis. *European Geophysical Society XXVII General Assembly*. Nice, France, April 2002.
- **Kortekaas, S.** Evidence of earthquake-induced flooding in coastal stratigraphy. *European Science Foundation conference on Glacial-Interglacial Sealevel Changes in Four Dimensions: Sea-surface Changes and Coastal Flood Hazards in Europe*. St. Andrews, Scotland, UK, April 2001.
- **Kortekaas, S.** Flooding of Psatha Bay (Greece) during the 1981 earthquake: tsunami or subsidence? *Geography Joint Postgraduate Symposium*. Coventry University, UK, May 2000.
- **Kortekaas, S.**, Cundy, A.B. and Stewart, I.S. Foraminifera as indicators of earthquake induced coastal flooding in the Gulf of Atalanti, Central Greece. *British Micropalaeontology Society Foraminifera-Group Meeting*. Natural History Museum, London, UK, May 1999.
- **Kortekaas, S.** Geological records of earthquake-induced coastal flooding. *Centre for Quaternary Science Lectures*. Coventry University, UK, March 1999.
- **Kortekaas, S.** Palaeotsunami deposits at Martinhal, SW Portugal, associated with the earthquake of November 1st 1755 AD. *European Science Foundation conference on Glacial-Interglacial Sealevel Changes in Four Dimensions: Quaternary Sealevels, Climate Change and Crustal Dynamics*. Albufeira, Portugal, February 1998.
- **Kortekaas, S.** Geological records of earthquake induced coastal flooding: two case studies from Central Greece. *Quaternary Research Association 3rd Annual Postgraduate Symposium*. University of Exeter, UK, December 1998.
- **Kortekaas, S.**, Andrade, C. and Dawson, A. The effects of tsunami flooding on the geomorphology and sedimentology at Martinhal, SW Portugal. *Coastal and Estuarine Environments: Sedimentology, Geomorphology and Geoarchaeology conference*. Geological Society, London, UK, November 1998.
- Cundy, A.B., Stewart, I.S., Buck, V., **Kortekaas, S.**, Maroukian, H., Papanastassiou, D, Gaki-Papanastassiou, P., Pavlopoulos, K. and Dawson, A. Impact of earthquakes on the sedimentology, geomorphology and archaeology of the Gulf of Atalanti, Central Greece. *Coastal and Estuarine Environments: Sedimentology, Geomorphology and Geoarchaeology conference*. Geological Society, London, UK, November 1998.

- **Kortekaas, S.**, Andrade, C. and Dawson, A. Palaeotsunami deposits at Martinhal, South West Portugal, associated with the earthquake of November 1st, 1755 AD. *UNESCO-IUGS-IGCP-367, INQUA Shorelines Commission and INQUA Neotectonics Commission joint meeting on Rapid Coastal Changes in the Late Quaternary*. Corinth, Greece, September 1998.
- **Kortekaas, S.**, Andrade, C. and Dawson, A. Palaeotsunami deposits at Martinhal, SW Portugal, associated with the earthquake of November 1st 1755 AD. *International Conference on Tsunamis*. Paris, France, May 1998.
- **Kortekaas, S.** Foraminiferal record of coseismic subsidence during the earthquake of 1894, Gulf of Atalanti, central Greece. *Postgraduate Palaeoecology Conference*. University of Southampton, UK, April 1998.
- Dawson, A., **Kortekaas, S.**, Carreño, E. and Izquierdo, A. Rates of coastal change, Huelva, Spain (GITEC-Two). *IX Asamblea Española de Geodesia y Geofísica*. Almería, Spain, February 1998.
- **Kortekaas, S.** Sedimentological and foraminiferal analyses of a possible tsunami deposits at Martinhal, South West Portugal. *Quaternary Research Association 2nd Annual Postgraduate Symposium*. Gregynog, Wales, UK, November 1997.
- Cundy, A., **Kortekaas, S.**, Stewart, I., Croudace, I., Dawson, S., Dawson, S., Maroukian, H., Gaki-Papanastassiou, K., Pavlopolous, K. and Papanastassiou, D. Coastal wetlands as recorders of earthquake subsidence: observations from central Greece. *Biochemistry of wetlands conference*. Royal Holloway, London, UK, September 1997.
- Andrade, C., Andrade, A.M., **Kortekaas, S.** and Dawson A.G. Sedimentological traces of tsunamigenic overwash of the Martinhal lowland. *Littoral '97, International Eurocoast Symposium*. Faro, Portugal, July 1997.
- Cundy, A.B., Stewart, I.S., **Kortekaas, S.**, Dawson, A., Croudace, I., Dawson, S., Maroukian, H., Gaki-Papanastassiou, K., Pavlopolous, K. and Papanastassiou, D. Coastal records of recent normal-faulting earthquakes in central Greece: a preliminary assessment. *Late Quaternary Coastal Tectonics conference*. Geological Society, London, UK, June 1997.
- Dawson, A.G., **Kortekaas, S.**, Dawson, S., Dominey-Howes, D., Hindson, R., Smith, D.E., Andrade, C., Mendes-Victor, L., Mangerund, J. and Bondevik, S. Genesis and Impact of Tsunamis on European Coasts (GITEC): Extreme events and coastal tectonics. *Late Quaternary Coastal Tectonics conference*. Geological Society, London, UK, June 1997.
- Stewart, I.S., Cundy, A.B., Dawson, A., **Kortekaas, S.**, Dawson, S., Maroukian, H., Gaki-Papanastassiou, K., Pavlopolous, K., Papanastassiou, D. & Croudace, I. High-resolution coastal studies of recent earthquakes in central Greece. *European Geophysical Society XXII General Assembly*. Vienna, Austria, April 1997.
- **Kortekaas, S.** Foraminiferal analysis of sapropel S5, core TTR5-188G, Eastern Mediterranean. *4th post-cruise meeting Training-through-Research programme: Sedimentary basins of the Mediterranean and Black seas*. Zvenigorod, Russia, January 1996.

Papers reviewed for:

Marine Geology
Natural Hazards and Earth System Science