VASILIKI MOUSLOPOULOU
CURRICULUM VITAE

Name: Vasiliki Mouslopoulou
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ACADEMIC ACHIEVEMENTS

EDUCATION

Ph. D. in Geology, Victoria University of Wellington, New Zealand: 2003-2006
M. Sc. in Solid Earth Physics, University of Bergen, Norway: 1998-2000
Diploma in Geology, National and Capodistrian University of Athens, Greece: 1992-1997

POST-DOCTORAL FELLOWSHIPS

2007-2009: 'EMBARK Post-Doctoral Fellowship' (awarded by the Irish Research Council for Science and Technology; 12% success rate in 2006) at University College Dublin, Ireland.
2009-2011: 'Marie Curie International Incoming Fellowship' (awarded by the European Commission-FP7-PEOLPLE; 21% success rate in 2008) at Technical University of Crete, Greece.

PROFESSIONAL ACTIVITIES

April 2018 – Present: Research Scientist at the Institute of Geodynamics, National Observatory of Athens (NOA), Greece: My research focuses on understanding better the seismogenesis of convergent systems – and particularly the interplay between upper-plate and subduction-thrust faulting. Laboratory areas where I pursue field studies comprise the forearcs of the Hellenic margin (Crete, Rhodes, Karpathos, Kasos, kythira), the Hikurangi margin (Kaikoura region) and the southern Chilean margin (Conception region). Together with my colleagues, we also try to constrain the paleoearthquake history and kinematics of a number of active faults in Greece, thereby directly contributing to the seismic and tsunami hazard assessment of southeast Europe. I am currently supervising 1 Master and 2 PhD students at FU-Berlin and Potsdam universities, while mentoring a Post-Doctorate Humboldt Fellow (GFZ). I serve as a reviewer/referee for numerous international scientific journals, funding schemes and PhD Thesis.

November 2012 – April 2018: Research Scientist at German Research Centre for Geosciences (GFZ) and Lecturer at the Free University, Berlin, Germany: Designed and led the research project CRETANQUAKE that dealt with the seismogenesis of the Hellenic Subduction margin. Since 2016, I am the PI of the research project that studies the 'complex 2016 Mw 7.8 Kaikoura Earthquake in New Zealand'. I participate in the project 'Rupture history of upper-crustal faults: the seismotectonics of the Morguilla Fault, Chilean Subduction Margin'. During my GFZ employment, I have acquired 4 research grants to initiate new research collaborations (Israel, Taiwan) or to reinforce ongoing collaborations (New Zealand, Greece). In addition, I have introduced and teach the Postgraduate (MSc) courses 'Paleoseismology' and 'Earthquake Geology and Active Tectonics' at Free University (Berlin). Reviewer/referee for numerous international scientific journals, funding schemes and PhD Thesis. Supervised and co-supervised two Master and one PhD studies.

2011-2012: Principal Investigator of the Latsis Research Award, Senior Researcher at Technical University of Crete, Greece. The project addressed the question: 'Is the Spili Fault, Crete, responsible for the double destruction of the Minoan Palace at Phaistos?' by using a novel geochemical method of recovering large paleoearthquakes on exhumed carbonate fault-scarps.

2009-2011: International Incoming Marie Curie Post-doctoral Fellow, Technical University of Crete, Greece. The project BRIDGSEISMTIME (Bridging the timescales in fault-slip accumulation: from the *earthquake* record to the *geological* record) combined paleoearthquake (i.e. fault-trenching) and geophysical (seismic-reflection) data, geostatistical tools and numerical models to explore the accumulation of earthquake-slip on individual faults through time. Paleoseismological field-campaigns in New Zealand took place in order to collect new paleoearthquake data.

2007-2009: Post-Doctoral Research Fellow, **Fault Analysis Group, School of Geological Sciences, University College Dublin, Ireland.** The project TIMESCALES involved research on the growth of faults on a range of timescales. In detail it involved a compilation of a worldwide fault database, analysis of fault properties, interpretation of 2D and 3D offshore and onshore seismic-reflection lines using the software GEOFRAME and TRAPTESTER, basin analysis, analysis of LiDAR data, extensive paleoseismological field investigations (e.g. fault-trenching) in the Taranaki Rift, New Zealand, participation in conferences and research seminars.

2001-2007: Researcher at GNS Science, **New Zealand**. Participation in numerous research projects that involved paleoseismological investigations on active faults, geological mapping, acquisition of gravity data, detailed geomorphic analysis using RTK-GPS, aerial-photograph analysis, tephrachronology, interpretation of seismic-reflection data, contribution to New Zealand's Active Fault Database.

2003-2005: Graduate Research Demonstrator, Victoria University of Wellington, New Zealand. Assisted in instruction during field exercises and laboratory courses.

2000: Consultant,"Stavropoulos-Geodynamics", Athens, Greece. Research in hydrogeology, management of water resources, analyses of slope stability and other environmental issues. Associated reports were compiled.

1997-1998 & 2000: Research assistant, Department of Geology, National and Capodistrian University of Athens, Greece. Duties included teaching laboratory courses, assisting in the preparation of field mapping exercises, processing geological data and compiling reports.

SPECIAL TRAINING

- **4-11 January 2011 and 24-31 March 2011, France:** Cosmogenic isotope dating (^{36}Cl) of carbonate fault-scarp samples at CEREGE, CNRS, Aix-en-Provence, France.
- **15-24 February 2009, Israel: '**The Dead Sea Rift as natural laboratory for earthquake behaviour: prehistoric, historic and recent seismicity'. International workshop and fieldtrip organized by the Geological Society of Israel and the INQUA Paleoseismology subcommission.
- **2006-2008, Fault Analysis Group, Ireland:** Special training in seismic interpretation of offshore/onshore seismic reflection data for Basin Analysis to be used in Petroleum research. Analysis performed with GEOFRAME and TRAPTESTER.
- **19 July – 6 August 2005, Mongolia:** Bulnay International Workshop and field reconnaissance of the 1905-Bulnay (8.1M) and 1957-Bogd (8M) ruptures.
- **31 August – 12 September 2003, Turkey:** "International Workshop and Advanced Training Course in Paleoseismology along the 1999-Izmit (7.4 M) Earthquake, North Anatolian Fault".
- **2-11 February 2001, Spain:** 'EUROPALEOS Field Training Course in Paleoseismology' funded by the European Commission (High Level Scientific Conferences: HPCF-CT-2000-00077). I was among the 20 researchers selected to participate in this school for young paleoseismologists.
- **4-18 June 1997, offshore Ireland:** Marine geophysical survey offshore Ireland (M/S Håkon Mosby; University of Bergen, Norway).
- **25 April -04 May 1997, Norway:** Advanced field training course in Structural Geology: "Caledonian Orogeny", West coast of Norway (course offered by University of Bergen, Norway).
- **9-19 April 1997, North Atlantic:** Oceanographic survey and training course along the Norwegian coastline (M/S Håkon Mosby; University of Bergen, Norway).

GRANTS

List of grants where *Vasiliki acted* as *Principal Investigator* (PI):

- 2015: Research Award from DAAD to reinforce bilateral collaboration between GFZ (Germany) and Central Taiwan University (Taiwan) → € *12,000*
- 2014: Research Award from BMBF to reinforce bilateral collaboration between GFZ (Germany) and GNS Science (New Zealand) → € *30,000*
- 2014: SEED Research Award from Free University of Berlin (FU) to reinforce collaboration between FU (Germany) and the Hebrew University of Jerusalem (Israel) → € *10,000*
- 2014: DAAD Research award to reinforce bilateral collaboration between Germany (GFZ) and Greece (TUC) → € *3,000*
- 2011: Latsis Foundation Research Award (one of 18 awardees among 921 candidates across all disciplines / 1.9% success rate) → € *12,000*
- 2009: 2-year '*Marie Curie International Incoming Post-Doctoral Fellowship'*, Marie Curie Actions, FP7-PEOPLE, European Commission → € *202,000*
- 2008: '*SEED funding'* to enhance research at the University College Dublin, Ireland → € *1,800.*
- 2006-2008: 2-year '*EMBARK Fellowship'* from the Irish Research Council for Science and Technology, Ireland → € *76,000*
- 2005: '*EQC Research Grant'* from the *Earthquake Commission of New Zealand* in support of my PhD fieldwork → $ *3,500 NZ.*

- 2005: 'QMAP Student Research Award' from the *Mapping Section of GNS Science*, for mapping the active faults during my PhD → $ *1,500 NZ.*
- 2005: '*EBoP Research Grant'* from the *Environment Bay of Plenty (Regional Council),* New Zealand, in order to pursue active fault-trench studies → $ *10,000 NZ.*
- 2004: 2-year '*FRST - Bright Futur*e *PhD Fellowship'* co-funded by the Foundation for Research Science and Technology & GNS Science in New Zealand (FRST) →$ *50,000 NZ.*
- 2003: '*EQC Research Grant'* from the *Earthquake Commission of New Zealand (EQC)* for pursuing field-based studies during my PhD → $ *30,000 NZ.*

DISTINCTIONS/AWARDS

- In 2016 the article Mouslopoulou et al. '*Uplift rate transients at subduction margins due to earthquake clustering'* published in Tectonics **received international attention** from research agencies (such as AGU) and public media globally (Germany, USA, France, Italy, etc).
- The article (*Mouslopoulou et al., 2015: Clusters of mega-earthquakes on upper plate faults control the Eastern Mediterranean hazard. Geophys. Res. Lett., 42 10,282–10,289*) was published in December 10, 2015 at the **Research Highlights of Nature** (see here: Nature 528, 166: doi:10.1038/528166d
- Invited to participate at the **National Geographic Documentary** entitled 'The Next Megatsunami' and introduce the seismic/tsunami hazard in Eastern Mediterranean. The documentary was **broadcasted globally** in late 2014 and early 2015.
- Invited **keynote speaker** at European Geosciences Union (**EGU**), Austria, Vienna (8-12 April 2013) *for the talk "The importance of microearthquakes in crustal extension of an active rift: a case-study from New Zealand"*.
- **Latsis Foundation Research Awardee** (one of 18 awardees among 921 candidates across all disciplines) for the study 'Is the Spili Fault, Crete, responsible for the double destruction of the Minoan Palace at Phaistos?' (1.9% success rate).
- **Invited Fellow** of the **IODP association** (via the Queens College, the University of New York) to participate at the *'IODP Marmara-Trans Workshop'* (12-16 June 2011), Istanbul Technical University, Turkey.
- Received the prestigious top-class **'Marie Curie International Incoming Fellowship'** (European Commission- FP7-PEOLPLE) (21% success rate in 2008).
- Received the prestigious **'EMBARK Post-Doctoral Fellowship'** from the Irish Research Council for Science and Technology (12% success rate in 2006).
- Received the **'FRST-Bright Future Scholarship'** from the Foundation for Research Science and Technology in New Zealand (2004).
- **Merit Award** for the oral presentation '*Quaternary kinematics and temporal stability of a strike-slip and normal fault intersection*' at the 2006 conference of the Geological Society of New Zealand.

- '**QMAP Student Research Award**' from *GNS Science*, for active-fault mapping during my PhD (2005).
- The article *'Displacement transfer between intersecting strike-slip and extensional fault systems'* (Mouslopoulou et al., 2007) was for 9 months on the **'top 25'** most downloaded articles of the *Journal of Structural Geology* (3 months occupying the 3rd position).
- The article *'Fault displacement rates on a range of timescales'* (Mouslopoulou et al., 2009) was for 3 months on the **'top 25'** most downloaded articles of the *EPSL*.
- Invited **keynote speaker** at *33rd International Geological Congress (IGC), Oslo, Norway (6-14August 2008) for the talk* "Fault displacement rates over different timescales".

REVIEWER-REFEREE

International peer reviewed journals: Nature Communication (IF:13.09), Earth and Planetary Science Letters (IF: 4.966), Bulletin of the Geological Society of America (IF: 4.73), Scientific Reports (IF: 4.2), Journal of Geophysical Research (IF: 3.35), Geomorphology (IF: 3.35), Tectonophysics (IF: 3.17) , Journal of Structural Geology (IF: 2.81), Quaternary International (IF: 2.47), Journal of Geodynamics (IF: 2.39), Bulletin of the Seismological Society of America (IF: 2.31), Geoarchaeology (IF:1.76), NZ Journal of Geology and Geophysics (IF: 1.47), Journal of Seismology (IF: 1.089), Earth System Science (IF: 0.95), 2 PhD Thesis (Israel and New Zealand).

Funding schemes: COST, NSF, UNESCO-IUCN (International Union for Conservation of Nature).

INVITED LECTURES

- GFZ, Potsdam, **Germany**, *Transients* Workshop: Transient fault-slip accumulation on upper-plate subduction thrust faults: how common is it?', May 2017.
- GFZ, Potsdam, **Germany**, *Faults* Workshop: 'Clusters of mega-earthquakes on upper plate faults control the Eastern Mediterranean hazard ', March 2016.
- GNS Science, **New Zealand**: 'Earthquake clustering on upper-plate faults controls uplift rate transients along subduction margins', February 2016.
- Hebrew University of Jerusalem, **Israel**: 'Late Quaternary paleoshoreline formation on Crete, eastern Mediterranean', January 2015.
- Freie University (FU), Berlin, **Germany**: 'Clusters of mega-earthquakes on upper plate faults control the Eastern Mediterranean hazard', May 2015.
- University of Marseille, **France**: Earthquake variability produces long-term stability of uplift rates along the Hellenic subduction margin, July 2014.

- University of Patras, **Greece**: 'The importance of microearthquakes in crustal extension of an active rift: a case-study from New Zealand', November 2013.
- Freie University (FU), Berlin, **Germany**: 'Fault-slip accumulation over thousands to millions of years and the importance of paleoearthquake sampling', May 2013.
- **Keynote** at the European Geosciences Union (EGU), Vienna, **Austria**: 'The importance of microearthquakes in crustal extension of an active rift: a case-study from New Zealand', April 2013.
- German Research Centre for Geosciences, **Germany**: 'Paleoearthquake history on the Spili Fault and its relation to the destruction of ancient and modern cities on the island of Crete, Greece', March 2013.
- University of Leuven, **Belgium**: 'Is the Spili fault, Crete, responsible for the double destruction of the Minoan palace at Phaistos?', November 2012.
- Helmholtz Centre Potsdam GFZ, German Research Centre for Geosciences, **Germany**: 'Growth and interaction of faults over earthquake and geological timescales', August 2012.
- Plymouth University, School of Environment, Geography and Earth Sciences, **United Kingdom**: 'Active faulting over earthquake and geological timescales', July 2012.
- University of Liverpool, School of Environmental Sciences, **United Kingdom**: 'Growth and interaction of faults over earthquake and geological timescales', June 2012.
- King Abdullah University of Science and Technology (KAUST), Department of Engineering and Earth Sciences, **Saudi Arabia**: 'Relations between paleoearthquakes and million year fault growth', May 2012.
- Otago University, Department of Geology, **New Zealand**: 'Relations between paleoearthquakes and million year fault growth', March 2012.
- National Taiwan University, Department of Geosciences, Taipei, **Taiwan**: 'Paleoearthquakes and million-year fault growth in an active rift and the importance of paleoseismic sampling', December 2011.
- Istanbul Technical University, invited to IODP Marmara-Trans Workshop by IODP association and Queens College, the University of New York, 12-16 June 2011, Istanbul, **Turkey**: 'Relations between paleoearthquakes and million year fault growth', June 2011.
- CEREGE, CNRS (National Centre of Scientific Research), Universite´ Paul Ce´zanne Aix en Provence, **France**: 'Relations between paleoearthquakes and million year fault growth in an active rift', March 2011.
- Technical University of Crete, **Greece**: 'Fault growth over different timescales: the Taranaki Rift study case', May 2010.
- Technical University of Crete, **Greece**: 'Bridging the timescales in fault-slip accumulation: from the earthquake record to the geological record', May 2009.
- **Keynote** at the European Sciences Foundation (ESF) conference, Innsbruck, **Austria**: '*New Challenges In Earthquake Dynamics:* The role of interaction on the growth of faults on geological and earthquake timescales', October 2008
- **Keynote** speaker at 33rd International Geological Congress (IGC), Oslo, **Norway** (2008 August 6-14) for the talk "Fault displacement rates over different timescales".
- Technical University of Crete, **Greece**: "Faults, Earthquakes and Mineralisation", March 2008.

- Te Whare Wananga o Awanuiarangi (the Māori University), **New Zealand**: "Active faulting in Bay of Plenty, New Zealand", June 2005.
- University of Athens, **Greece:** "An introduction to Earthquake Geology and Paleoseismology in New Zealand", October 2002.

RESEARCH IMPACT

Collectively, my research is published in the form of 24 peer-reviewed international articles or book-chapters (80% as a first or second author) and 48 international conference presentations. Aspects of my most recent research are currently under review (publ. 25 and 26).

By July 30th 2018, my scientific work has received ~342citations (h-index 10) according to Scopus while according to Google Scholar (which is more inclusive) ~512 citations (h-index 12).

PEER REVIEWED INTERNATIONAL PUBLICATIONS (Science Citation Index – SCI)

[26] Mouslopoulou, V., Saltogianni, V., Nicol, A., Oncken, O., Begg, J., Babeyko, A., Cesca, S., Moreno, M., 2018. Breaking a subduction-termination from top-to-bottom: the 2016 Kaikōura earthquake. *Nature Communications* (in review).

[25] Reid, C., Begg, J., **Mouslopoulou, V.**, Oncken, O., Nicol, A., Kufner, K-S., 2018. A new method for calibrating marine biota living-depth using the Kaikōura Earthquake uplift: comparison with non-calibrated biological and instrumental measurements. *Marine Geology* (in review).

[24] Veliz, V., **Mouslopoulou, V.,** Nicol, A., Fassoulas, B., Begg, J., Onkcen, O, 2018. Millenial to million normal-fault interactions on the forearc of a subduction margin, Crete, Greece. *Journal of Structural Geology*, 113, 225-241.

[23] Cesca, S., Zhang, Y., **Mouslopoulou, V**., Wang, R., Saul, J., Savage, M., Heimann, S., Kufner, S.-K., Oncken, O., Dahm, T., 2017. Complex rupture process of the Mw 7.8, 2016, Kaikoura earthquake, New Zealand, and its aftershock sequence. *Earth and Planetary Science Letters*, 478, 110-120.

[22] Mouslopoulou, V., Begg, J., Fülling, A., Moraetis, D., Partsinevelos, P., and Oncken, O., 2017. Distinct phases of eustatic and tectonic forcing for late Quaternary landscape evolution soutwest Crete, Greece. *Earth Surface Dynamics*, 5, 1–17, https://doi.org/10.5194/esurf-5-1-2017.

[21] Konstantinou, K., **Mouslopoulou, V.,** Liang, W-T., Heidbach, O., Oncken, O., Suppe, J., 2017. Present-day crustal stress field in Greece inferred from regional-scale damped inversion of earthquake focal mechanisms. *Journal of Geophysical Research*, 122, *506-523, doi:10.1002/2016JB013272.*

[20] Mouslopoulou, V., Oncken, O., Hainzl, S., Nicol, A., 2016. Uplift rate transients at subduction margins due to earthquake clustering. *Tectonics*, 35, 2370–2384, doi:10.1002/2016TC004248.

[19] Mouslopoulou, V., Nicol, A., Begg, J.,Oncken, O., Moreno, M., 2015.Clusters of mega-earthquakes on upper plate faults control the Eastern Mediterranean hazard. *Geophysical Research Letters*, 42, 10,282–10,289, doi:10.1002/2015GL066371.

[18] Mouslopoulou, V., Begg, J., Nicol, A., Oncken, O., Prior, C., 2015. Formation of Late Quaternary paleoshorelines in Crete, Eastern Mediterranean. *Earth and Planetary Science Letters*, 431, 294-307.

[17] Mouslopoulou, V., Saltogianni, V., Gianniou, M, Stiros, S., 2014. Geodetic evidence for tectonic activity on the Strymon Fault System, northeast Greece. *Tectonophysics*, 633, 246-255.

[16] Mouslopoulou, V., Moraetis, D., Benedetti, L., Guillou, V., Bellier, O., Hristopulos, D., 2014. Normal faulting in the forearc of the Hellenic subduction margin: Paleoearthquake history and kinematics of the Spili Fault, Crete, Greece. *Journal of Structural Geology*, 66, 298-308.

[15] Giba, M., Walsh, J.J., Nicol, A., **Mouslopoulou, V**., Seebeck, H., 2013. Spatio-temporal relationships between normal faulting and arc volcanism on million year timescales along a subduction margin. *Journal of the Geological Society London*, 170, 951-962, doi: 10.1144/jgs2012-121.

[14] Mouslopoulou, V., Hristopulos, D.T., Nicol, A., Walsh, J.J., Bannister, S., 2013. The importance of microearthquakes in crustal extension. *Journal of Geophysical Research – Solid Earth*, 118, 1556-1568.

[13] Hristopulos and **Mouslopoulou, V.,** 2013. A stochastic stick-slip model linking crustal shear strength and earthquake interevent times. *Physica A*, 392, 485-496, doi: 10.1016/j.physa.2012.09.011.

[12] Mouslopoulou, V., Nicol, A., Walsh, J.J., Begg, J.G., Townsend, D.B., Hristopulos, D.T., 2012. Fault-slip accumulation in an active rift over thousands to millions of years and the importance of paleoearthquake sampling. *Journal of Structural Geology*, 36, 71-80, doi: 10.1016/j.jsg.2011.11.010.

[11] Mouslopoulou, V., Moraetis, D., Fassoulas, C., 2011. Identifying past earthquakes on carbonate faults: advances and limitations of the Rare Earth Element method based on analysis of the Spili Fault, Crete, Greece. *Earth and Planetary Science Letters*, 309, 45-55, doi: 10.1016/j.epsl.2011.06.015.

[10] Mouslopoulou, V., Hristopulos, D.T., 2011. Patterns of tectonic fault interactions captured through variogram analyses of microearthquakes. *Journal of Geophysical Research*, 116, B07305.

[9] Townsend, D., Nicol, A., **Mouslopoulou, V.**, Begg, J.G., Beetham, R.D., Clark, D., Giba, M., Heron, D., Lukovic, B., McPherson, A., Seebeck, H., Walsh, J.J., 2010. Paleoearthquake histories across a normal fault system in the southwestern Taranaki Peninsula, New Zealand. *New Zealand Journal of Geology and Geophysics*, 53, 4, 375-394.

[8] Begg, J.G., **Mouslopoulou, V.**, 2010. Analysis of late Holocene faulting within an active rift using lidar, Taupo Rift, New Zealand. *Journal of Volcanology and Geothermal Research*, 190, 152–167.

[7] Nicol, A., Walsh, J.J., **Mouslopoulou, V.**, Villamor, P., 2009. Earthquake histories and Holocene acceleration of fault displacement rates. *Geology*, 37, 911–914, doi:10.1130/G25765A.1.

[6] Mouslopoulou, V., Walsh, J.J., Nicol, A., 2009. Fault displacement rates on a range of timescales. *Earth and Planetary Science Letters*, 278, 186-197.

[5] Mouslopoulou, V., Nicol, A., Little, T.A., Begg, J., 2009. Paleoearthquake surface rupture in a transition zone from strike-slip to oblique-normal slip and its implication to seismic hazard, North Island Fault System, New Zealand. In: Reicherter, K., Michetti, A.M. & Silva Barroso, P.G. (eds) Palaeoseismology: Historical and Prehistorical Records of Earthquake Ground Effects for Seismic Hazard Assessment. *Geological Society of London, Special Publication*, 316, 269-292.

[4] Begg, J.G., Van Dissen, R.J., Nicol, A., **Mouslopoulou, V.,** 2008. Characteristics of the Pacific-Australian Tectonic Plate Interface in New Zealand. In: Graham, I. (eds), New Zealand Geoscience into the 21st Century. *Geol. Soc. of New Zealand*, Miscell. Pub., 124, 388 pp, ISBN 978-1-877480-00-3.

[3] Mouslopoulou, V., Nicol, A., Walsh, J.J., Beetham, D., Stagpoole, V., 2008. Quaternary temporal stability of a regional strike-slip and rift fault intersection. *Journal of Structural Geology*, 30, 4, 451-463.

[2] Mouslopoulou, V., Nicol, A., Little, T.A., Walsh, J.J, 2007. Terminations of large strike-slip faults: an alternative model from New Zealand. In: Cunningham, W. D. & Mann, P. (eds), Tectonics of Strike-Slip Restraining and Releasing Bends. *Geological Society of London, Special Publication*, 290, 387–415.

[1] Mouslopoulou, V., Nicol, A., Little, T.A., Walsh, J.J., 2007. Displacement transfer between intersecting strike-slip and extensional fault systems. *Journal of Structural Geology*, 29, 100-116.

INTERNATIONAL CONFERENCES (abstracts and oral presentations)

C40. Mouslopoulou, V., Saltogianni, V., Nicol, A., Oncken, O., Begg, B., Babeyko, A., Cesca, S., Moreno, M., 2018. The 2016 Mw 7.8 Kaikōura Earthquake: a composite rupture at the termination of a subduction margin. 2nd Workshop of Tectonic Geology, 13 June 2018, University of Patras, Greece.

C39. Mouslopoulou, V., Saltogianni, V., Nicol, A., Oncken, O., Begg, B., Moreno, M., Cesca, S., 2018. The 2016 Mw 7.8 Kaikōura Earthquake: a rare snapshot of coseismic-slip transfer between the plate-interface and faults in the upper-crust. EGU General Assembly 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-3703, 2018.

C38. Schöfisch, T., **Mouslopoulou, V.,** Metzger, S., Nicol, A., Korup, O., 2018. The 2016 Mw7.8 Kaikōura earthquake in New Zealand from the perspective of the Hundalee Fault: Insights into the termination of a subduction zone. EGU General Assembly 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-990, 2018.

C37. Olivotos, S., Niedermann, S., **Mouslopoulou, V.,** Cotterill, F., Flugel, T., 2018. Reconstructing Landscape Evolution Using Surface Exposure Dating, a Case Study on Waterfalls from South Central Africa. EGU General Assembly 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-17992, 2018.

C36. Veliz, V., **Mouslopoulou, V.,** Nicol, A., Fassoulas, C., Begg, J., Onken, O., 2018. Millennial to million year normal-fault interactions in the forearc of a subduction margin, Crete, Greece. EGU General Assembly 2018, Geophysical Research Abstracts, Vol. 20, EGU2018-3709, 2018

C35. Mouslopoulou, V., Nicol, A., Moreno, M., Oncken, O., Begg, J., S-K Kufner. Large-scale fault interactions at the termination of a subduction margin: the case study of the M7.8 Kaikoura Earthquake in New Zealand. American Geophysical Union (AGU), 10-15 December 2017, New Orleans, USA.

C34. Mouslopoulou, V., Oncken, O., Hainzl, S., Nicol, A., Moreno, M., Begg, J., 2016. Earthquake clustering on upper-plate faults and the subduction thrust controls uplift rate transients and long-term forearc topography along subduction margins. American Geophysical Union (AGU), 12-16 December 2016, San Francisco, USA.

C33. Walsh, J., Nicol, A., Childs, C., **Mouslopoulou, V.,** Manzocchi, T., 2016. Keynote: The importance of fault interactions in the long-term and short-term growth of fault systems. Bulletin of the Geological Society of Greece, Vol. L, 2358-2359, Proceedings of the 14th International Congress, 25-27 May 2016, Thessaloniki, Greece.

C32. Mouslopoulou, V., Saltogianni, V., Gianniou, M, Stiros, S., 2015. Geodetic evidence for tectonic activity on the Strymon Fault System, northeast Greece. SafeChania, 2nd International Conference: The Triangle of Knowledge in the Civil Protection Service, Chania 10-14 June, 2015.

C31. Moraetis, D., **Mouslopoulou, V.,** Pratikakis, A., 2015. Sorption of the Rare Earth Elements and Yttrium (REE-Y) in calcite: the mechanism of a new effective tool in identifying paleoearthquakes on carbonate faults. European Geosciences Union (EGU), Vienna, Austria, 13-17 April 2015: Geophysical Research Abstracts, Vol. 17, EGU2015-3437, 2015.

C30. Mouslopoulou, V., Nicol, A., Begg, J., Oncken, O., Moreno, M., Prior, C., 2015. High uplift-transients indicate clusters of mega-earthquakes in Eastern Mediterranean during the last 50 kyr. European Geosciences Union (EGU), Vienna, Austria, 13-17 April 2015: Geophysical Research Abstracts, Vol. 17, EGU2015-2477, 2015.

C29. Mouslopoulou, V., Nicol, A., Begg, J., Prior, C., Oncken, O., 2014. Earthquake variability produces long-term stability of uplift rates along the Hellenic subduction margin. In: *Interdisciplinary meeting on climate change and seismic hazards during the Holocene in the Mediterranean,* July 7-8, 2014 CEREGE, Technopôle de l'Arbois, Aix-en-Provence, France, 2014.

C28. Mouslopoulou, V., Gianniou, M, Saltogianni, V., Stiros, S., 2014. Geodetic evidence for tectonic activity on the Strymon Fault System, northeast Greece. European Geosciences Union (EGU), Vienna, Austria, 8-12 April 2014: Geophysical Research Abstracts, Vol. 16, EGU2014-3079, 2014.

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