

# EGU 2017

## BSG Conference Attendance Grant Report

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### Conference

Receiving the conference attendance grant of £500 allowed me to attend and present at the 2017 European Geosciences Union Conference in Vienna in April. This was my first international conference that I have presented at and was a fantastic opportunity provided by BSG. My talk and poster stimulated many conversations between myself and academic staff from other universities in how I could improve and develop my research. In addition I also discovered what other Geomorphologist's are working on and this has provided me with potential avenues with which to take my research in the future.

### Presentations

I presented a talk entitled '*Are landscapes buffered to high-frequency climate change? A comparison of sediment fluxes and depositional volumes in the Corinth rift, central Greece, over the past 130 kyrs*'. This talk gave the results from our mass balance study. We compared onshore sediment fluxes with observed seismically-derived volumes offshore over the last 130 kyrs. We found that our modelled sediment fluxes are within a factor of 1.6 of the observed volume in the basin for the Holocene. We also found that sediment export is highly sensitive to glacial-interglacial cycles.

#### Are landscapes buffered to high-frequency climate change?

A comparison of sediment fluxes and depositional volumes in the Corinth rift, central Greece, over the past 130 kyrs

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**Figure 1:** Title slide of the oral presentation given at EGU 2017

Furthermore I also presented a poster entitled '*Straight from the source's mouth; a quantitative study of grain-size export for an entire active rift, the Corinth Rift, central Greece*'. This poster showed the preliminary results from our field campaign at the end of 2015. The results were obtained by sieving 43 river mouths draining into the Gulf of Corinth to obtain their full-weighted grain-size export. In addition the results from Wolman Point counts were also shown for 47 river mouths. This study investigates the role of tectonics, climate, lithology and simple geomorphic parameters such as catchment area and relief in controlling grain size. The discussions around the poster has led to further work in lieu of my poster that I am presenting at the 2017 BSG conference in Hull.

### Funding use

The use of the BSG conference attendance grant went towards flights, accommodation, conference registration and subsistence. I would like to thank the BSG Research Committee for the grant that made my attendance possible and to present two pieces of my PhD study that will be written up for publication.