

Report on COST-STSM-ECOST-STSM-ES1306-120317-083206

Connectivity and complex systems in geomorphology: addressing some key challenges

Applicant: Prof. Anthony Parsons, Department of Geography, University of Sheffield, UK

Host: Dr. Ronald Poepl, Department for Geography and Regional Research, University of Vienna, Austria

Time: 12-03-2017 to 17-03-2017. 6 days

1. Purpose of the STSM

Over two Connecteur thinktanks (April and December 2015) and two subsequent meetings (funded by Durham University), WG1 of Connecteur has explored key challenges in Connectivity Science from the perspective of a range of disciplines that all use Connectivity to study complex systems. The outcomes of these meetings have been a paper that identifies these challenges from this interdisciplinary perspective and an application for an Innovative Training Network that will involve all of the participating disciplines. The rationale for this STSM is to use the insights gained from these meetings to advance the theoretical underpinning of the use of Connectivity Science in the specific case of Geomorphology.

2. Description of the work carried out during the STSM

Prior to the STSM Dr Poepl prepared a preliminary document outlining his thinking on the topic of the Fundamental Unit to be used in applying Connectivity to Geomorphology. In the first days of the STSM, we discussed and developed these ideas further, leading to the outline of a paper on the topic. In the latter days we completed a first draft of a paper on this topic.

3. Description of the main results obtained

The main result is the draft of the paper that we intend to complete and submit in the coming weeks

4. Description about how the results contribute to the Action aims

This STSM contributes to the goals of Connecteur (Objective 1), and the draft paper will be used as preparatory material for the joint thinktank between WGs 1, 2 and 4 that will take place April 22-23, 2017, that seeks to move Connecteur forward by linking the activities of 3 working groups that have not yet held a joint meeting.

5. Confirmation by the host institution of the successful execution of the STSM;

Attached.

6. Authorization to post the report at the Action website

I authorize the posting of this report on the Connecteur website.

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