

Further Reading List for London Lecture: Landscape Dynamics, Erosion and Sedimentation

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The reading list can also be found at <http://www.geolsoc.org.uk/landscapedynamics>

Popular Articles and Resources

1. Background Information and Resources

- a. British Society for Geomorphology – What is geomorphology?

<http://www.geomorphology.org.uk/what-geomorphology-0>

- b. British Society for Geomorphology – 10 reasons why Geomorphology is important

http://www.geomorphology.org.uk/sites/default/files/10_reasons_geom/index.htm#_10_reasons_geom/page/1

- c. Clastic Detritus – A blog about sedimentary geoscience

<http://clasticdetritus.com/>

2. Dynamic Topography – Landscape Dynamics and Surface processes

- a. Geoscientist Magazine – Dynamic topography – relating mantle currents and topography

<https://www.geolsoc.org.uk/Geoscientist/Archive/November-2011/Dynamic-Topography-relating-mantle-currents-and-topography>

- b. Emeritus Professor Phillip Allen's Blog – earth-literally – including blog posts on his 'Basin Analysis' course at Imperial College

<http://earth-literally.blogspot.co.uk/?view=magazine>

- c. Lawrence Livermore National Laboratory – Climate Change as Recorded in Earth Surface Processes

<https://cams.llnl.gov/cams-competencies/climate-change-paleoclimate-geochronology/climate-change-earth-surface-processes>

3. Sediment Transport and Routing Systems

- a. Imperial College Department of Earth Science and Engineering – Sediment Routing Systems

<https://www.imperial.ac.uk/engineering/departments/earth-science/research/research-groups/geodynamics/themes/sediment-routing-systems/>

- b. Nature Supplement (£) – From landscapes into geological history

<http://www.nature.com/nature/journal/v451/n7176/full/nature06586.html>

- c. Nature Education – Submarine fans and Canyon-Channel Systems: A Review of Processes, Products, and Models

<http://www.nature.com/scitable/knowledge/library/submarine-fans-and-canyon-channel-systems-a-24178428>

Journal Articles and Books

1. Armitage, J., Duller R., Whittaker, A, & Allen, P. A., 2011, Transformation of tectonic and climatic signals from source to sedimentary archive, *Nature Geoscience*, 4, 231-235.
2. Whittaker A. C., 2012, How do landscapes record tectonics and climate?, *Lithosphere*, 4, 160-164.
3. Michael, N., Whittaker, A. Allen, P., 2013, The functioning of sediment routing systems using a mass balance approach. *J. Geology*, 121, 581- 606.
4. D'Arcy, M. & Whittaker A., 2014, Geomorphic constraints on landscape sensitivity to climate, *Geomorphology*, 204, 366-381.
5. Braun, J., 2010, The many surface expressions of mantle dynamics, *Nature Geoscience*, 3, 825-833