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Channel heads, hillslope lengths, and the scale of upland landscapes

[Seminario](#)

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Aula: [Aula Arduino](#)

Relatore: Dr. Simon Mudd

Abstract:

One of the most beautiful features of upland landscapes is the regular pattern of ridges and valleys. The length scale of these features plays an important role in determining the flow pathways of both water and sediment: water and sediment move much more slowly on hillslope than in channels so changes in hillslope and channel lengths have profound impacts on flow and sediment routing. Here we examine ways for measuring landscape scale. Once measured, metrics such as drainage density and hillslope length can yield insights into the processes behind landscape evolution.

Afferenza: School of GeoSciences - University of Edinburgh

Proponente: Andrea D'Alpaos
