

# Introduction to the hillslope creep model

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## Hillslopes

The evolution of landscapes begins at the hillslope. This



Figure 1: A landscape that has been subject to hillslope creep. Credit (Hobley 2012).

## The numerical model

### Discussion questions

1. the

Hobley, Dan. 2012. "Convex Hillslopes Near Lebec, Southern California, Usa." [https://en.wikipedia.org/wiki/Downhill\\_creep#/media/File:Hillslopes\\_near\\_Lebec,\\_CA.JPG](https://en.wikipedia.org/wiki/Downhill_creep#/media/File:Hillslopes_near_Lebec,_CA.JPG).

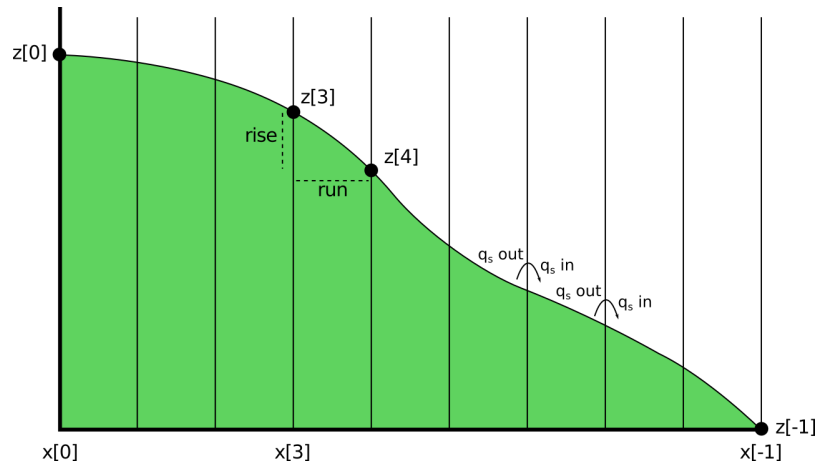


Figure 2: Schematic representation of a hillslope, discretized to show how the hillslope is evolved by sediment flux calculations. See text for explanation.