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Final workshop report on Studying Earth Surface Processes with High-Resolution Topographic Data

The final report from the Workshop on **Studying Earth Surface Processes with High-Resolution Topographic Data** (Boulder Colorado 15-18 June 2008) was released today. You can download it from here: [link](#). It is a really exciting and comprehensive summary of current research activities as well as identifies some emerging directions. The topics on which presentations were made could be grouped as:

- Identifying and extracting topographic features
- Coupling tectonic and climatic processes with landform evolution
- Testing landscape evolution models
- Detecting landscape change
- Feedbacks between life and topography
- Routing water and sediment through watersheds
- Linking structural geology to geomorphology

An important set of comments in there on Software, Tools, Tutorials, and Education is a shortened version of our larger contribution available here: [earlier blog post](#).

A perspective on technology follows (“Improvements in Gathering and Disseminating High-Resolution Topographic Data”)

And, the emerging scientific and educational opportunities include understanding effects of human-induced changes in landscape characteristics, discovering new ways of extracting landscape features from the topographic data, identifying new methods to quantify topographic trends, and developing new physical and mathematical descriptions of the landscape, and bringing these data into the classroom and informal science education opportunities.

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