

Collaborative Research: SI2-SSI: Landlab: A Flexible, Open-Source Modeling Framework for Earth-Surface Dynamics

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What is Landlab?

An open-source, Python-based modeling toolkit that helps geoscientists efficiently develop 2D grid-based numerical models by providing:

• Gridding functionality for creating different terrain representations and connectivity;

• A set of pre-built model *components*, each of which models a particular landscape process;

• A framework for developing *drivers* that combine components into multi-process models.

• Visualization tools



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