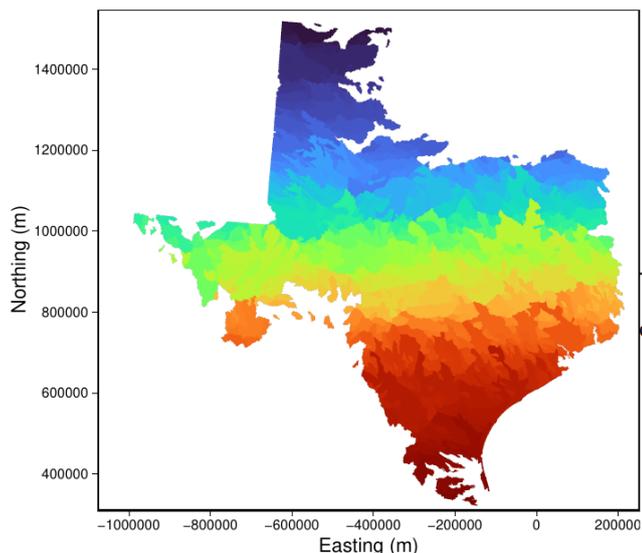


Efficient delineation of a large number of subwatersheds

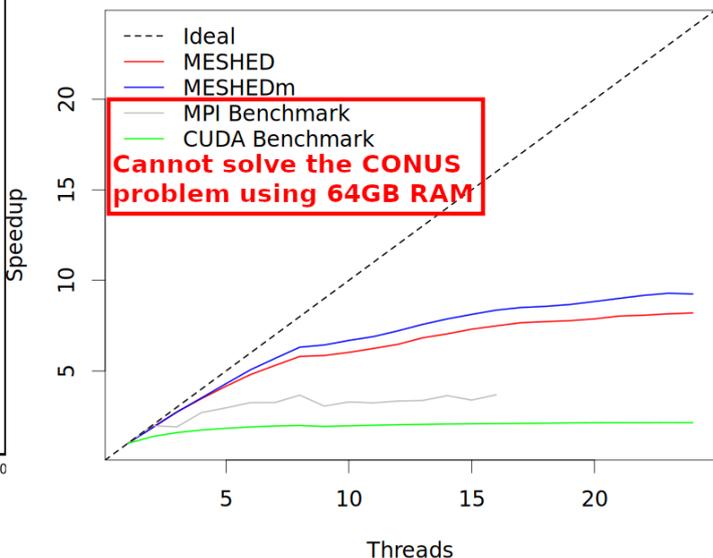
This project aims to develop and implement an efficient algorithm for delineating a large number of watersheds. It will deliver an open-source hydrology tool.

MESHED

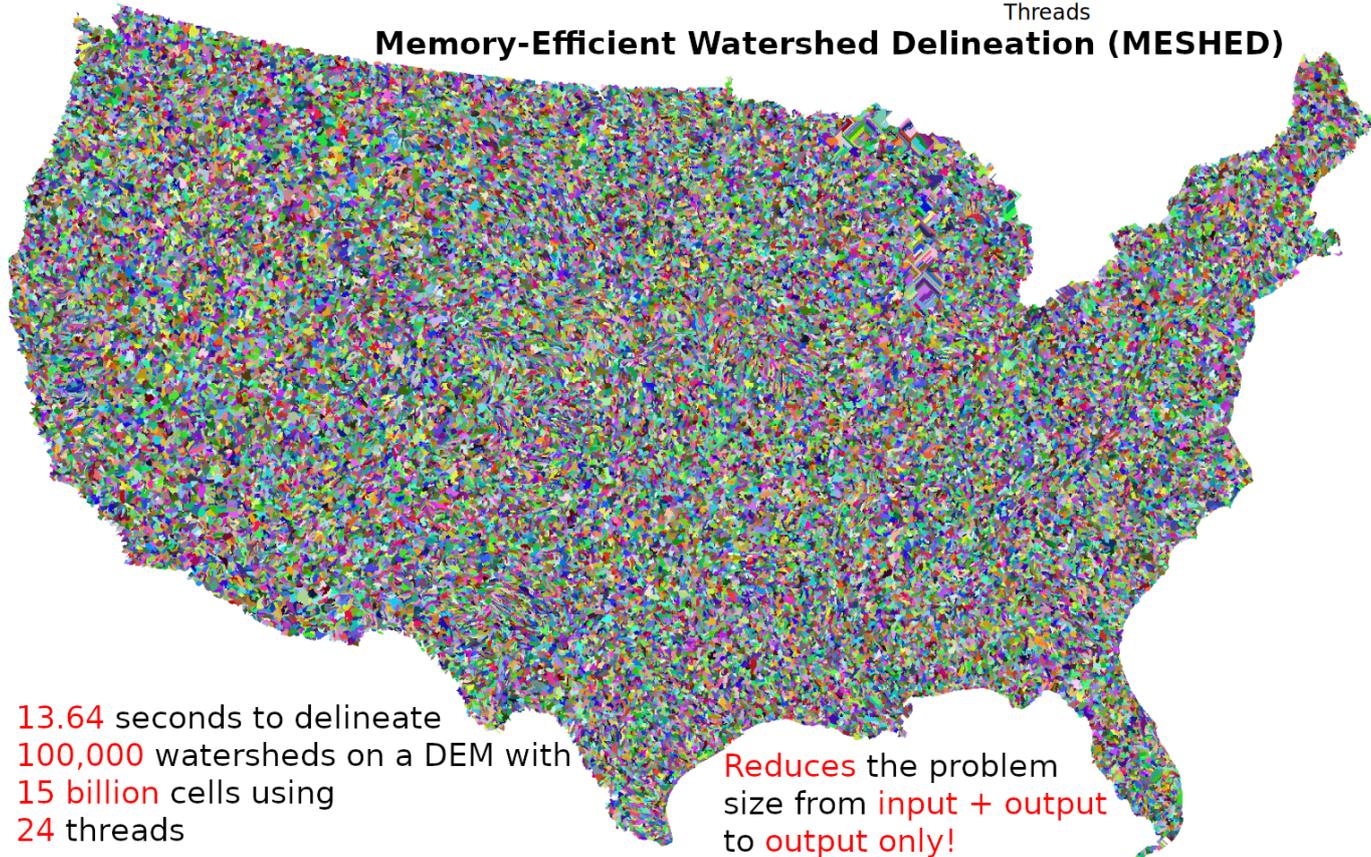


Projection: NAD83 / Conus Albers (EPSG:5070)

Strong scaling for 1,000 watersheds in Texas



Memory-Efficient Watershed Delineation (MESHED)



13.64 seconds to delineate
 100,000 watersheds on a DEM with
 15 billion cells using
 24 threads

Reduces the problem
 size from input + output
 to output only!

[projects](#)

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Permanent link:
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