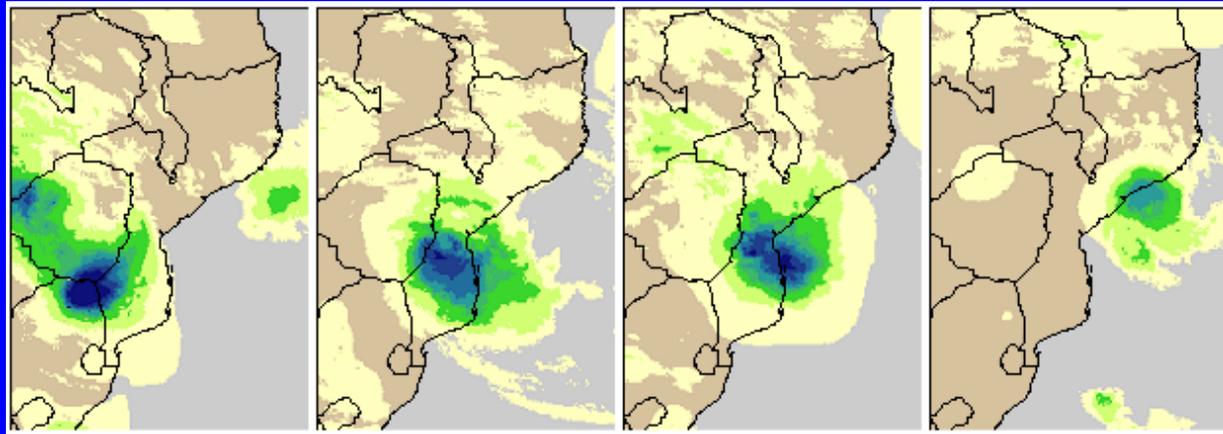


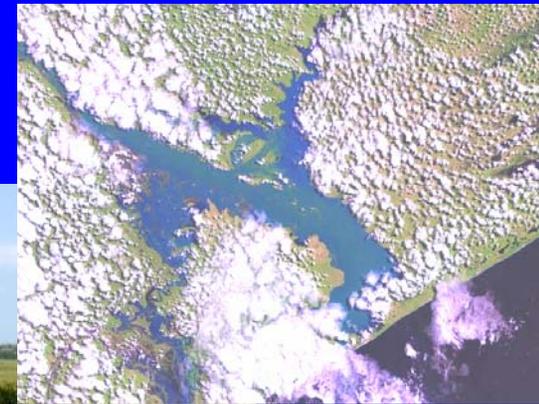
Extreme rainfall can induce massive floods



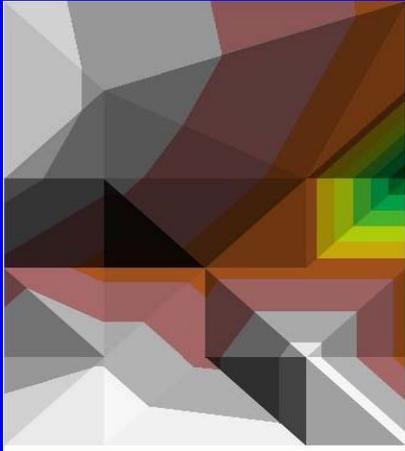
In 2000, heavy rainfall from four tropical cyclones in Mozambique.

A massive flood wave resulted, causing record flooding.

Poor early warning systems resulted in heavy loss of life and property.
property.



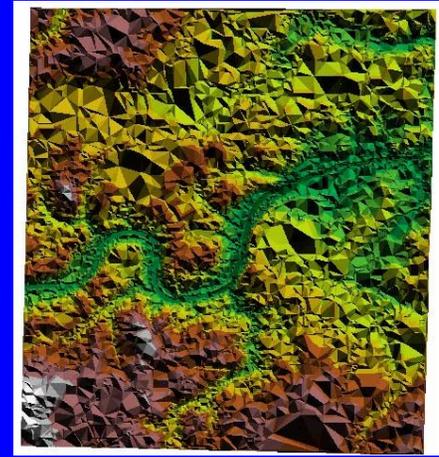
The Challenge: To map floods with existing global elevation data



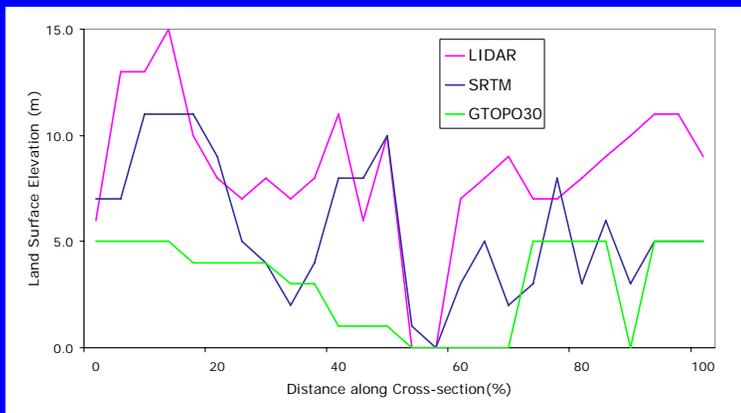
Old GTOPO30 Data
(global coverage)



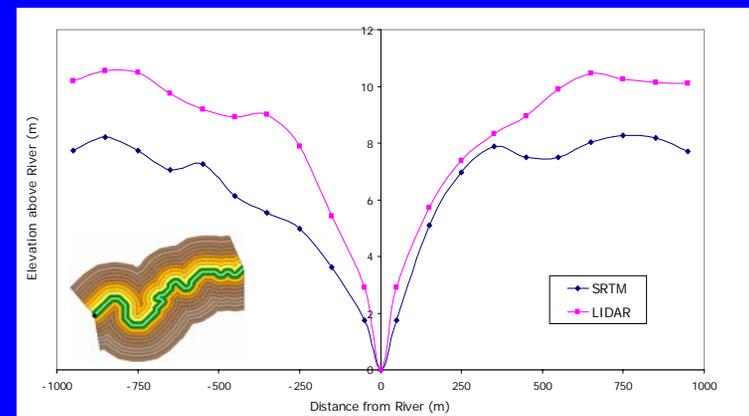
New SRTM Data
(global coverage)



Local LIDAR Data
(very limited coverage)



Local Channel Sections



Regional Channel Sections



Simulating Floods with Remotely Sensed Data

