



# Modeling glacial lake outburst flood process chains in Sikkim Himalaya: Hazard assessment of two potentially dangerous lakes

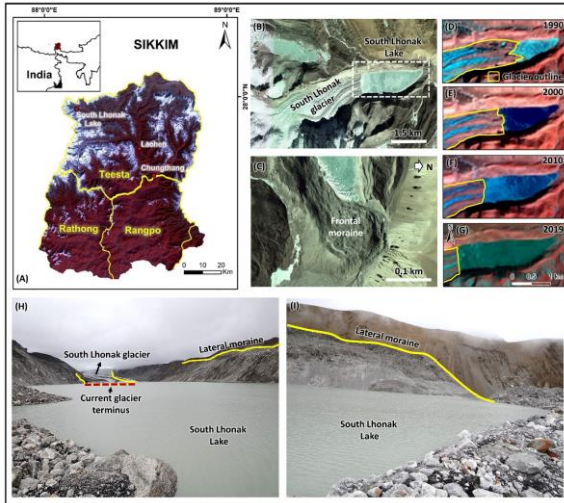


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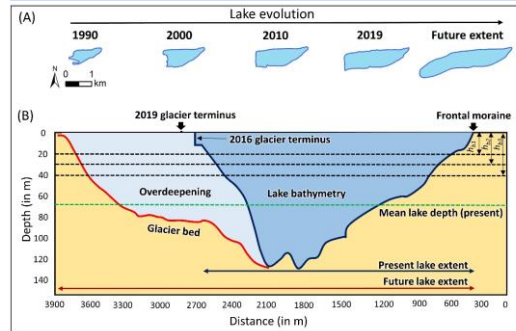
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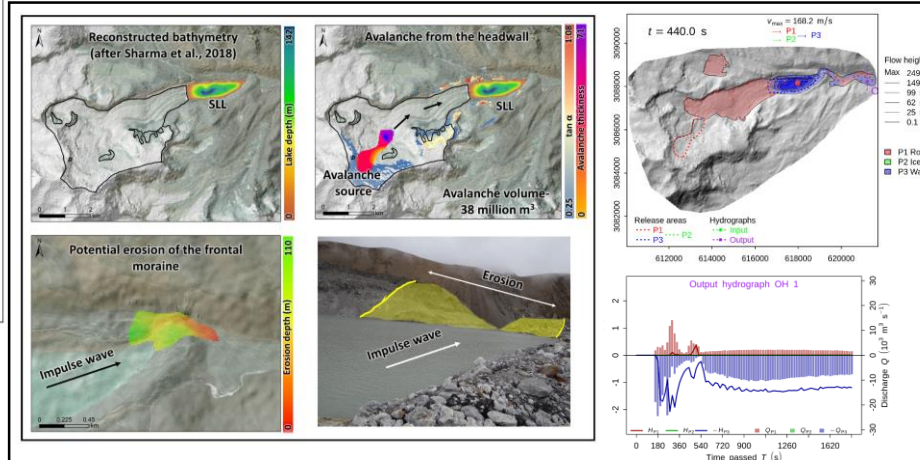
## Study area



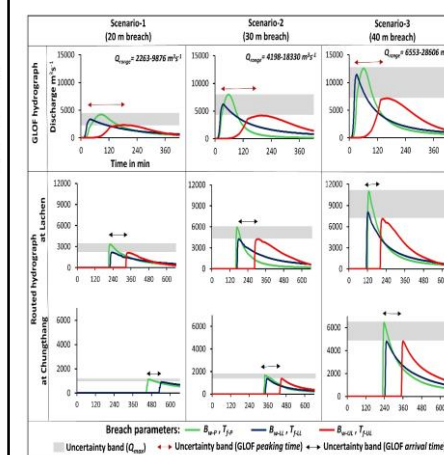
## Bathymetry



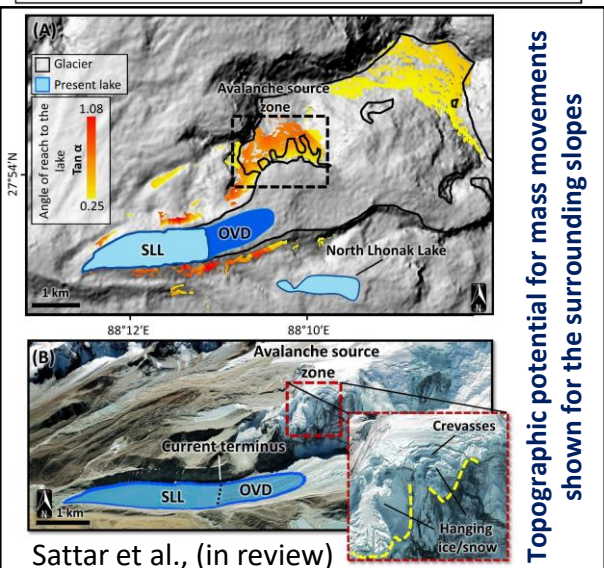
## GLOF process chain modeling (r.avaflo)



## Flood routing (HEC-RAS)

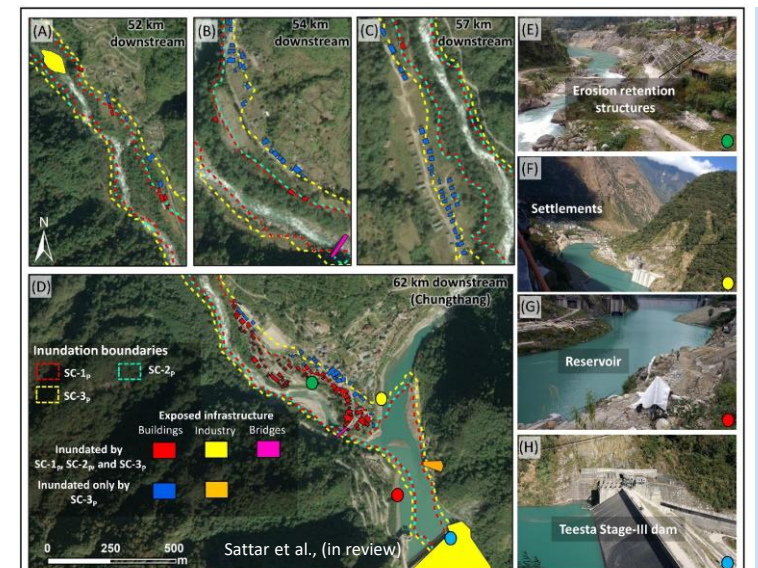
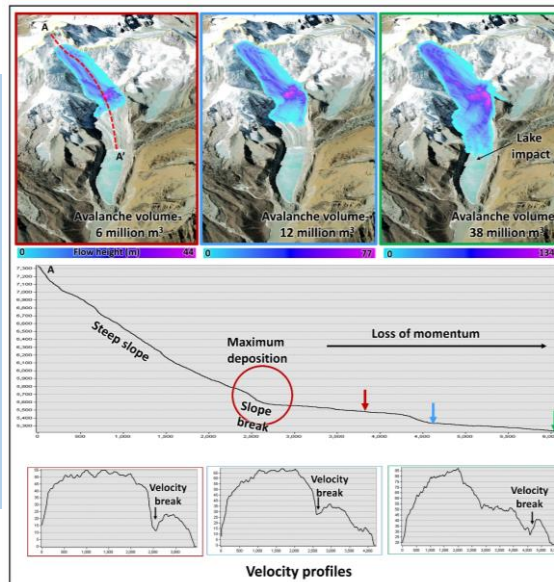


Sattar et al., (in review)



Sattar et al., (in review)

## Avalanche modeling (RAMMS)



Potential downstream exposure

Sattar et al., (in review)