

Early 21st-century glacier specific mass balance across High Mountain Asia derived from remote sensing

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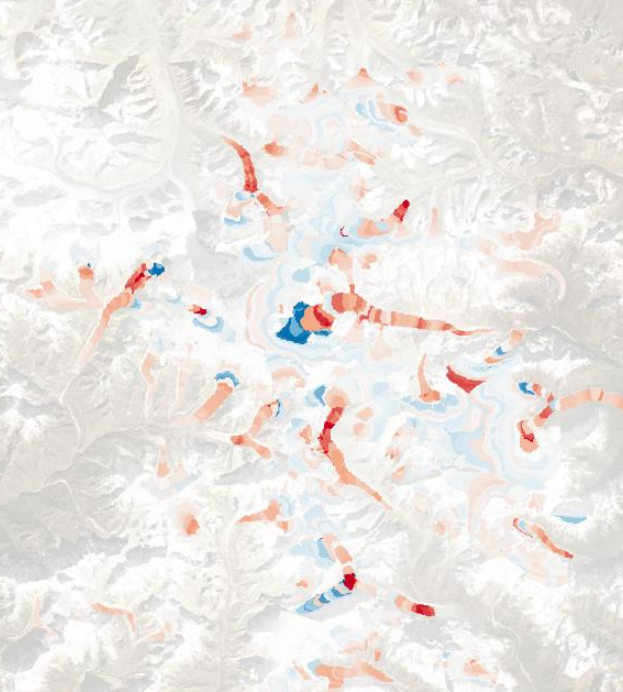
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Marin Kneib

Stefan Fugger

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Motivation: available SMB measurements

12 WGMS

30 Other published

=> 42 Sites

95,000 glaciers in RGI

Small glaciers 7 km² mean

Short records 5 year mean



Glacier-specific SMB profiles, regionally

- Fully-dist. implementation of continuity eq.
 - > flux divergence, SMB estimation
- Applied to all* glaciers in RGI 13/14/15
- Effective for early 21st-century
- Comparison to published SMB, ELAs
- Estimated SMB, ELAs, AARs across the region
 - ...will be available with uncertainty

Want to know more? Join the **CR5.1** chat
(**May 7, 4:15-6:00 PM CET**) or contact me
(evan.miles@wsl.ch)

Trakarding-Trambau Glacier, Nepal

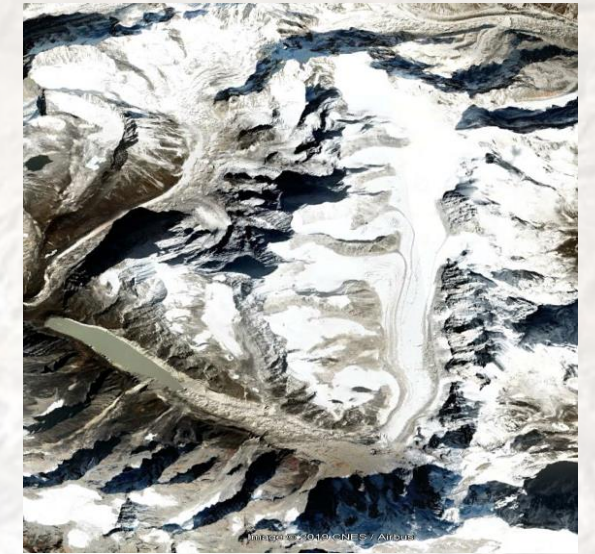


Image credit: CNES / Airbus via Google Earth

