



ICEFLOW: short-term movements in the Cryosphere



Bas Altena

Department of Geosciences, University of Oslo.

now at: Institute for Marine and Atmospheric research, Utrecht University.

LIVING PLANET FELLOWSHIP
CRYOSPHERE



UiO : **Department of Geosciences**

The Faculty of Mathematics and Natural Sciences

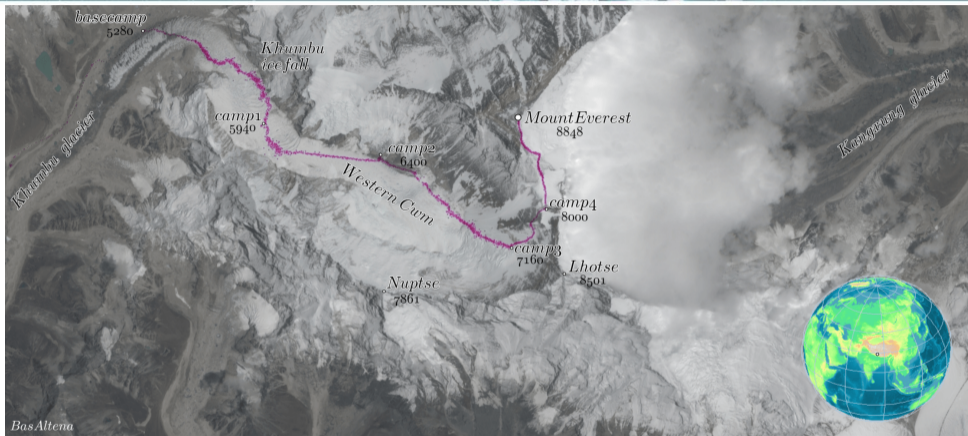


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geometric properties from optical remote sensing

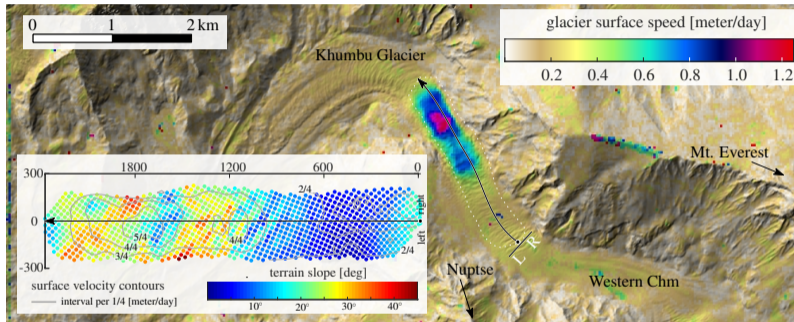
Sentinel-2 Fast flow through icefall



[published] *Ensemble matching of repeat satellite images applied to measure fast-changing ice flow, verified with mountain climber trajectories on Khumbu icefall, Mount Everest.* Journal of Glaciology.

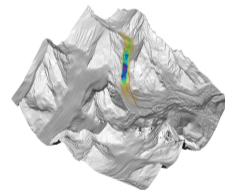
[outreach] see also ESA Sentinel Online: *Copernicus Sentinel-2 monitors glacier icefall, helping climbers ascend Mount Everest*

Sentinel-2 Fast flow through icefall

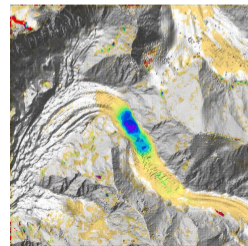
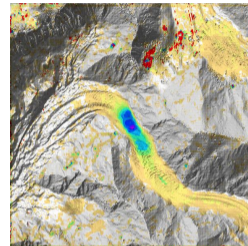
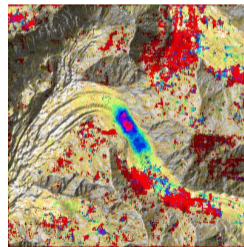
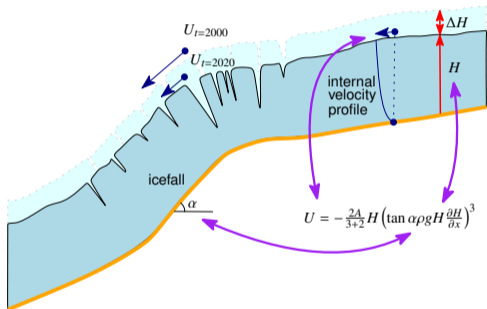


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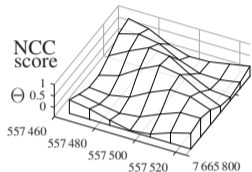
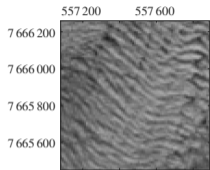
Published for the International Glaciological Society, Cambridge, UK



[outreach] see also Adventure Mountain: *Mount Everest: The way the Khumbu Icefall flows*

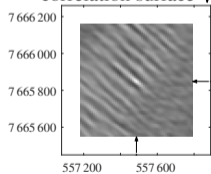
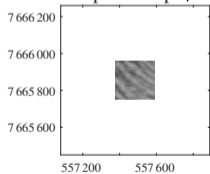


MSc thesis research at Wageningen University

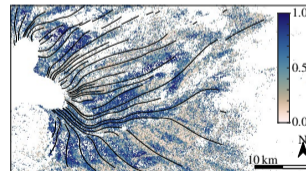
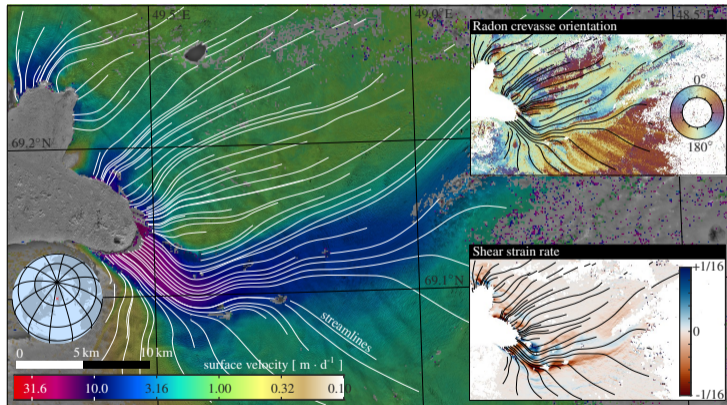


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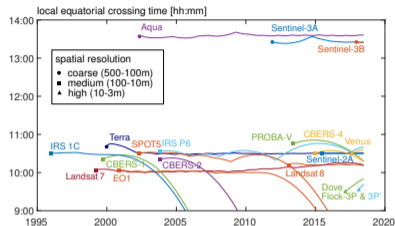
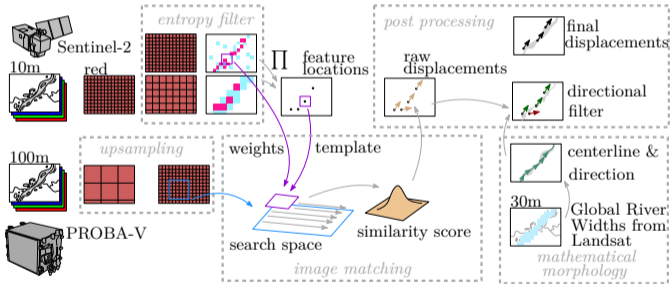


[submitted] *Dispersion estimation of remotely sensed glacier displacements for better error propagation.* The Cryosphere.

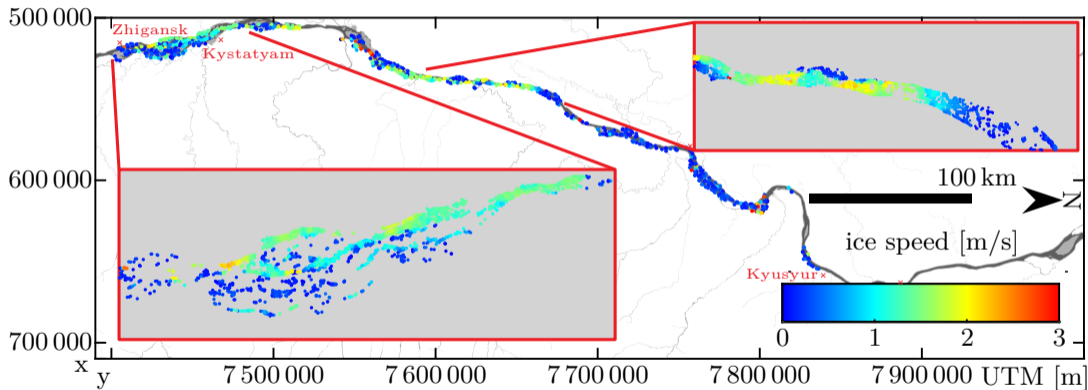


[submitted] *Dispersion estimation of remotely sensed glacier displacements for better error propagation.* The Cryosphere.

Monitoring river ice break-up



[outreach] see also ESA Sentinel Online: *Copernicus Sentinels observe vast and fast movements in the Arctic*



[in review] Noticing river ice movement through a combination of European satellite monitoring services.
International Journal of Applied Remote Sensing and Geo-information.

