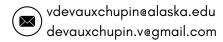
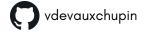
Victor Devaux-Chupin

Geophysical Institute – University of Alaska Fairbanks 2156 Koyukuk Dr, Fairbanks, AK 99775, USA

+19077997831







Research Interests

Glacier dynamics and mass change, surge-type glaciers; remote sensing (LIDAR, SAR, Optical), big data analysis, uncertainty quantification, interpolation and inverse methods; data visualization, accessible science, outreach.

Education

2020-Present **Ph.D. - Geophysics,** University of Alaska Fairbanks, Fairbanks, USA - Advisor: Martin Truffer

Thesis: Understanding glacier dynamics through remote sensing techniques

Participation in the McCarthy Glaciology Summer School (10 days), GlaMacLeS Machine Learning in Glaciology

Summer School (10 days), FieldEx field safety and preparedness workshop (6 days).

2018–2020 Master's Degree - Geophysics, University of Grenoble-Alpes, Grenoble, France

Major: Atmosphere, Climate, Continental Surfaces

2015-2018 **Bachelor of Science - Geology,** University of Grenoble-Alpes, Grenoble, France

Professional Appointments

Summer 2023 2020-25

Summer 2020

Intern - Alaska Satellite Facility, *University of Alaska Fairbanks*, Fairbanks, USA Graduate Student Assistant, University of Alaska Fairbanks, Fairbanks, USA Intern - Geography and Hydrology, *University of Oslo*, Oslo, Norway

Peer-reviewed Publications

In Prep.

Devaux-Chupin, V., Truffer, M., Loso, M.G., Larsen, C.F., Fahnestock, M. - Validation of fluxgate-based mass balance calculation from remote sensing datasets over Sít' Tlein's (Malaspina Glacier) lobe. *To be submitted to The Cryosphere in September 2025*.

In Prep.

Devaux-Chupin, V., Truffer, Larsen, C.F., M., Loso, C.F., Fahnestock, M. - Anatomy of a piedmont glacier surge: uncovering Sít' Tlein's (Malaspina Glacier) dynamic balance. *To be submitted to JGR: Earth Surface in August 2025*

Under review

Devaux-Chupin, V., Truffer, M., Brinkerhoff, D., Fahnestock, M., Loso, M.G., Christoffersen, M., Daniel, M., Tober, B.S., Larsen, C.F., Holt, J.W. - A century of flow and surge history of Sít' Tlein (Malaspina Glacier), Southeast Alaska. (Submitted to *Journal of Glaciology*)

2025

Brinkerhoff, D., Tober, B., Daniel, M., **Devaux-Chupin, V.,** Christoffersen, M., Holt, J.W., Larsen, C.F., Fahnestock, M., Loso, M.G., Timm, K.M. and Mitchell, R., 2024. The demise of the world's largest piedmont glacier: a probabilistic forecast. EGUsphere, 2024, pp.1–52.

Presentations

2024

American Geophysical Union (Washington D.C.) - The impact of scale when calculating the Climatic Mass Balance of Sít'Tlein (Malaspina Glacier), Southeast Alaska. [Poster]

Northwest Glaciologists Meeting (Fairbanks)- Ice surface dataset analysis. [Talk]

2023	Northwest Glaciologists Meeting (Seattle) - DEM Differenciation of Sit'Tlein (Malaspina) glacier. [Talk] American Geophysical Union (San Francisco) - 20 years of Climatic Mass Balance of Sít'Tlein (Malaspina Glacier), Southeast Alaska. [Lightning Talk]
	- ITS_LIVE Tools: a comprehensive python package and interactive notebooks to download and analyze global glacier surface velocity data. [Poster]
	- Streamlined processing and analysis of glacier surface velocity data using ITS_LIVE Tools [Talk]
2022	American Geophysical Union (Chicago) - A Century of Surges of Sit'tlein (Malaspina Glacier), Southeast Alaska. [Poster, presented by M.Truffer]
	Northwest Glaciologists Meeting (Moscow, Idaho) - Sit' Tlein glacier dynamics. [Talk]
	IGS 2022 Maritime Glaciers International Symposium (Juneau, Akaska) - Flow and ice flux history of the Malaspina Glacier, Southeast Alaska, from Landsat 5 to 8 and Sentinel 1-2 images. [Talk]
2021	American Geophysical Union (New Orleans) - Ice-Flow and Surge History of the Malaspina Glacier, Alaska, From Landsat and Sentinel Data, and Autonomous Repeat Image Feature Tracking (autoRIFT). [Talk] Northwest Glaciologists Meeting (Online) - 37 years of wiggling-ice: a history of movement and velocity for the Malaspina Glacier. [Talk]
	Awards —————
2024	Brian R. Zelenka Memorial Award for "hard working graduate student dedicated to the profession" Department of Geosciences, UAF. (Monetary award of \$2000).
2023	Peter MacKeith Memorial Award for best student in glaciology/glacial geology. Department of Geosciences, UAF. (Monetary award of \$1000).
2023	Geoscience Student Symposium: first prize for best student talk. UAF.
2022	Three Minute Thesis Presentation Competition : Third place (jury), first place (people's choice). Graduate School, UAF.
	Teaching ————————————————————————————————————
2022-2024	
2022-2024	Earthquakes, Volcanoes, Glaciers – GEOS120/119. Lectures (8x2h), training TAs, designing lab exercises for 3 semesters (>50 students each semester).
2022-2024	
2022-2024	semesters (>50 students each semester). Field Experience
	semesters (>50 students each semester). Field Experience Gulkana Glacier, Alaska: passive seismic survey. Fall, 3 days. Sít' Tlein, Alaska: snow-pits, ground penetrating radar (snow + ice surveys), weather station, GNSS, mass
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