



Retrait glaciaire et rendement en eau

le cas du Haut Glacier d'Arolla

Chrystelle Gabbud

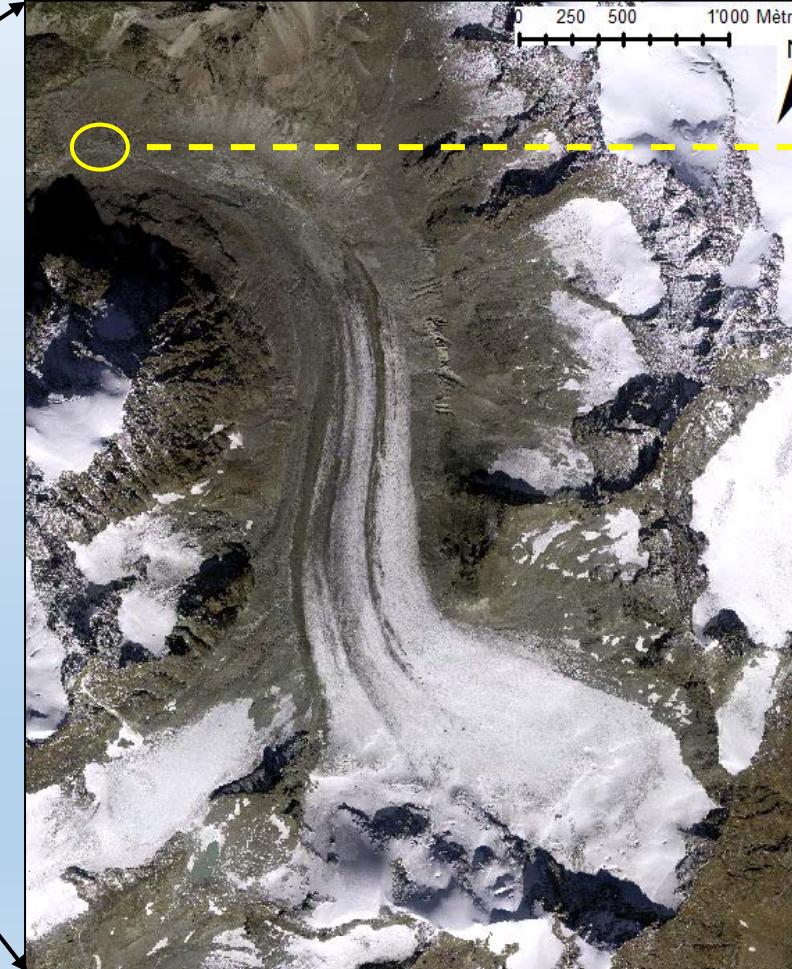
Travail de Mémoire 2014

Master en Géographie - UNIL

Sous la direction du Prof. Stuart Lane



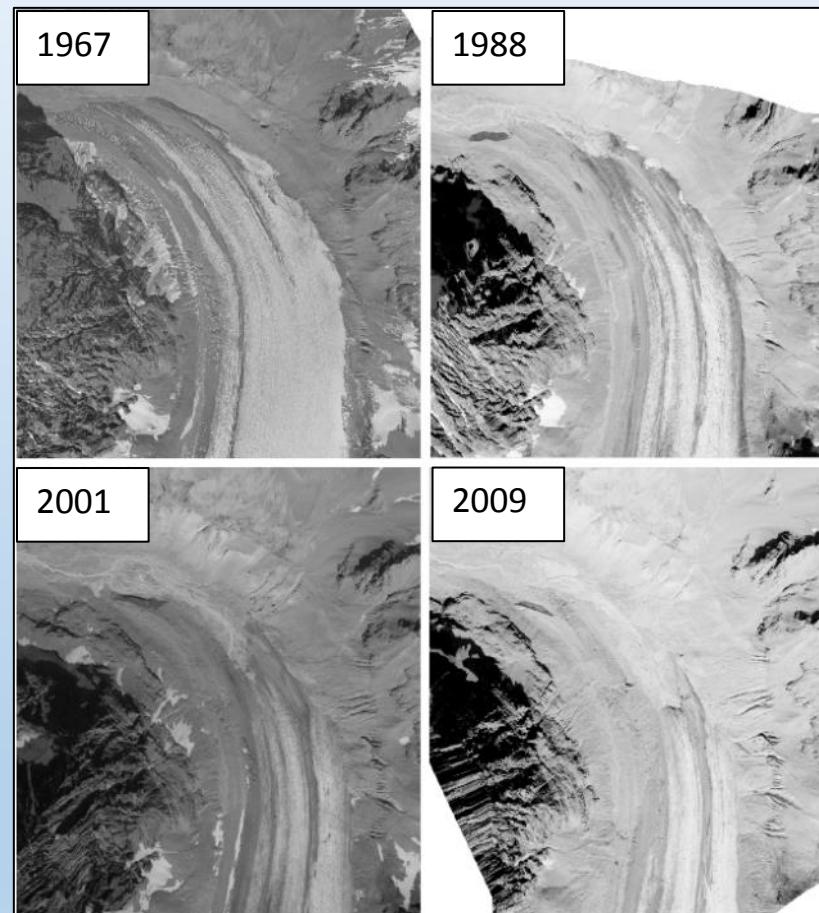
Le Haut Glacier d'Arolla



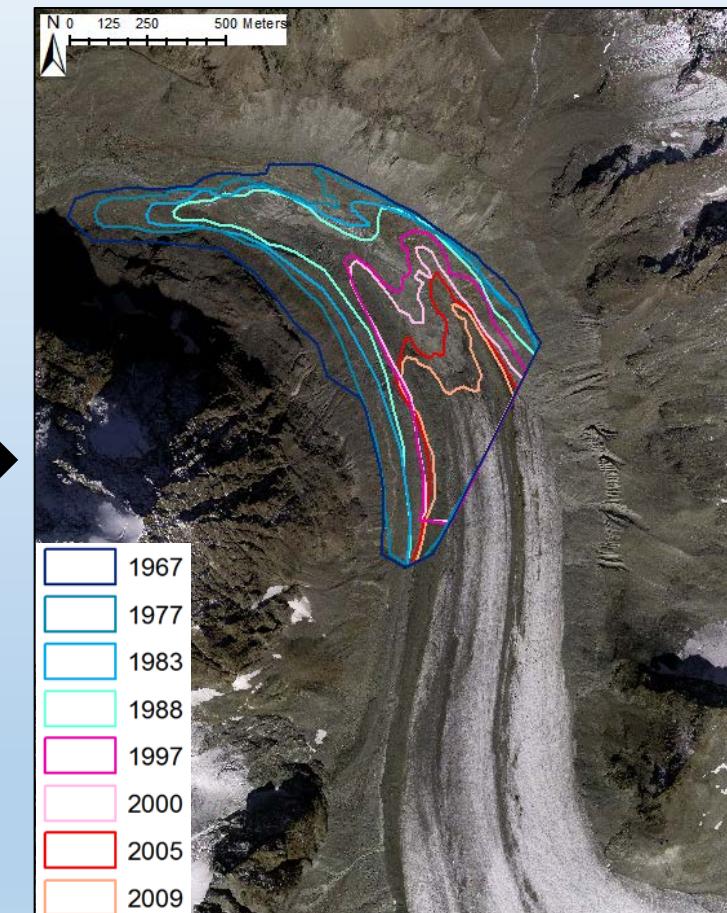
Prise d'eau - réseau Grande Dixence



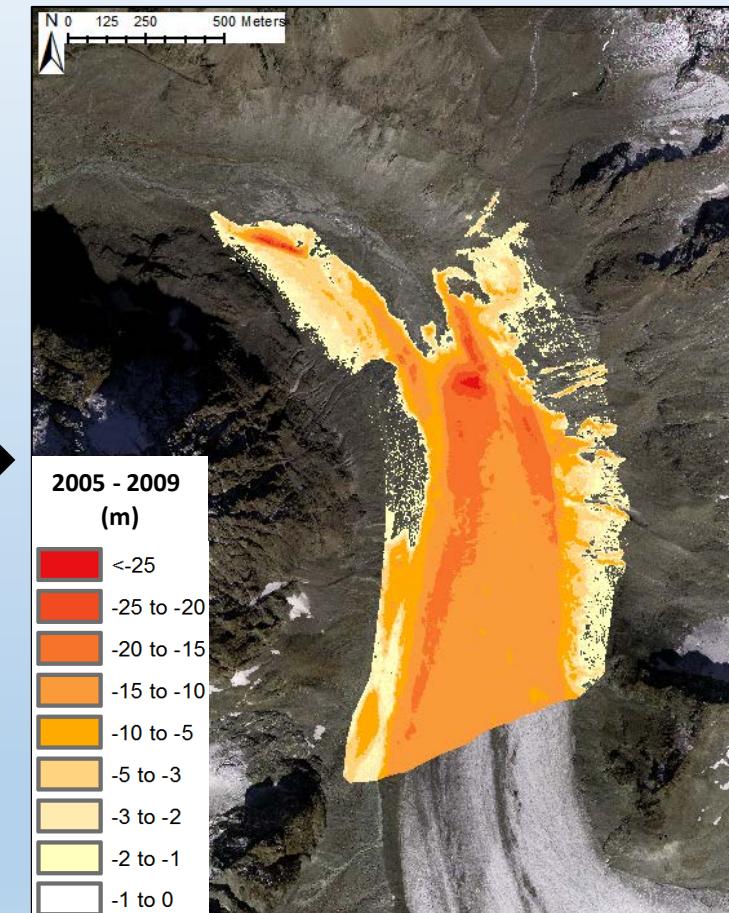
Images aériennes historiques



Evolution du front glaciaire

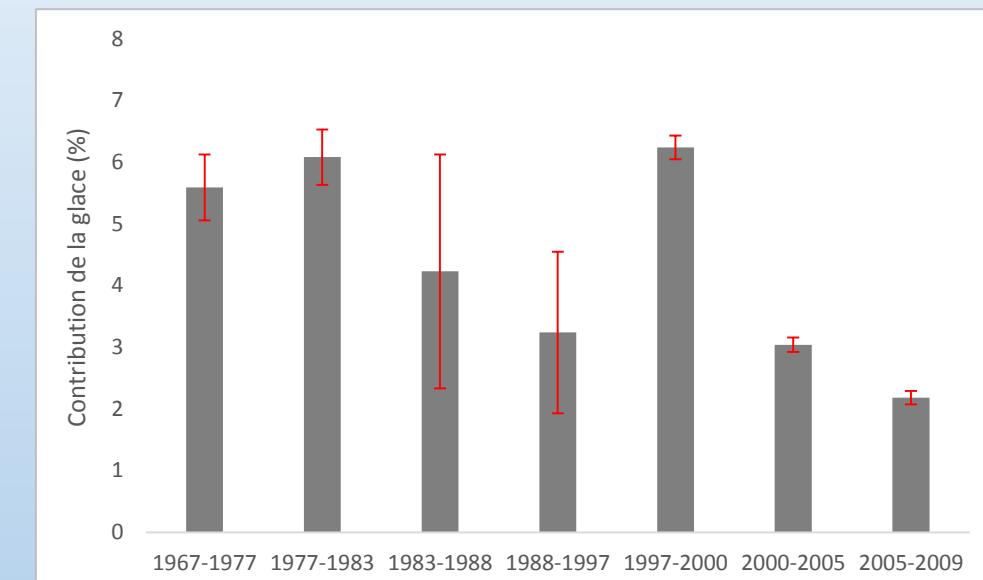
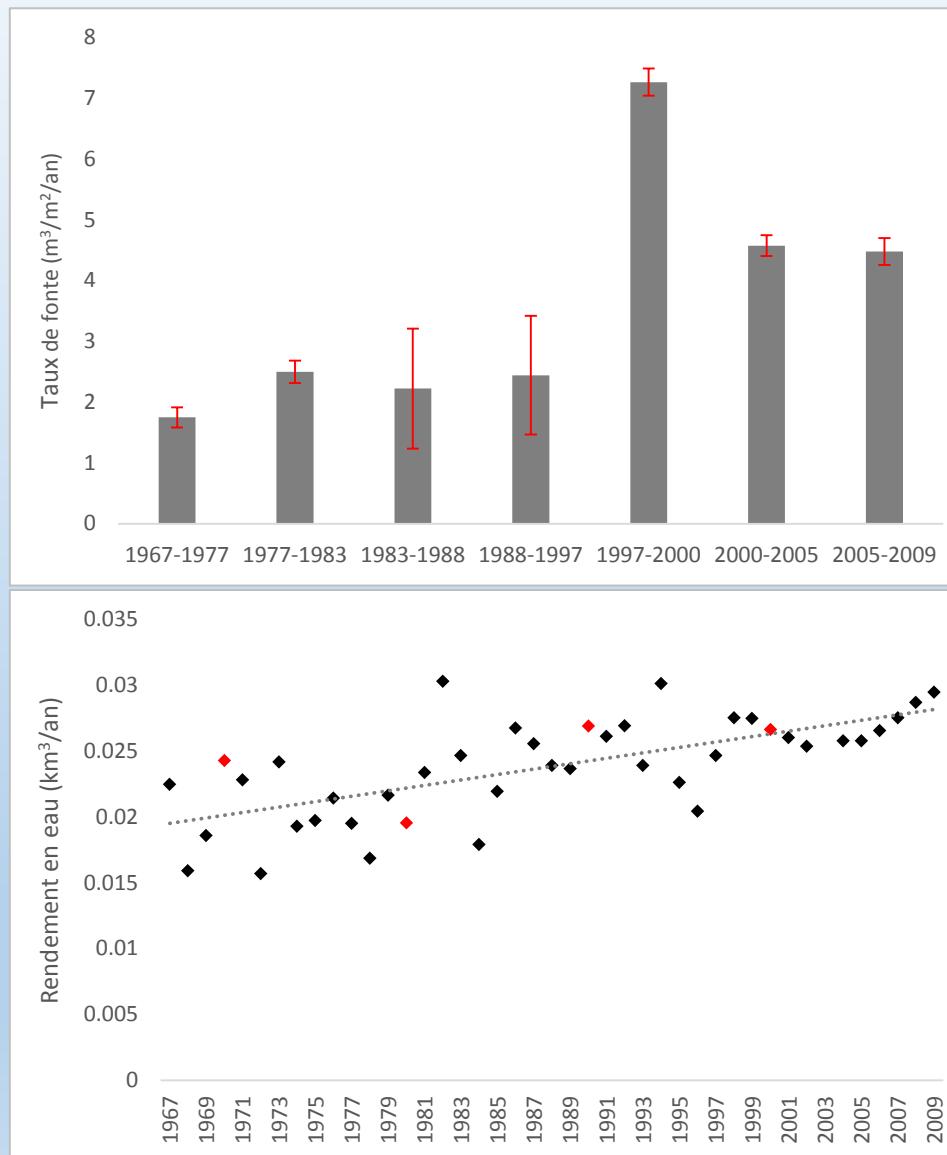


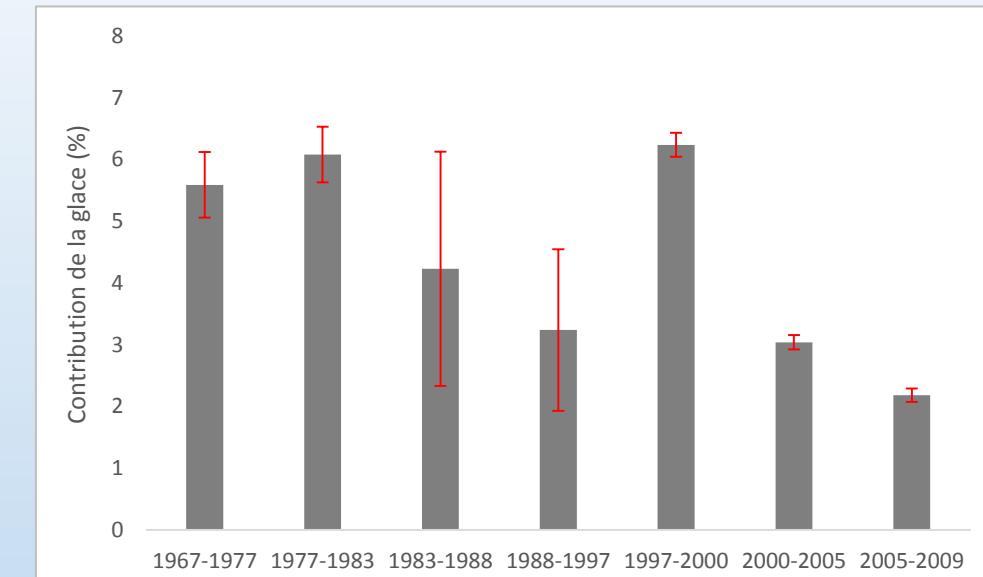
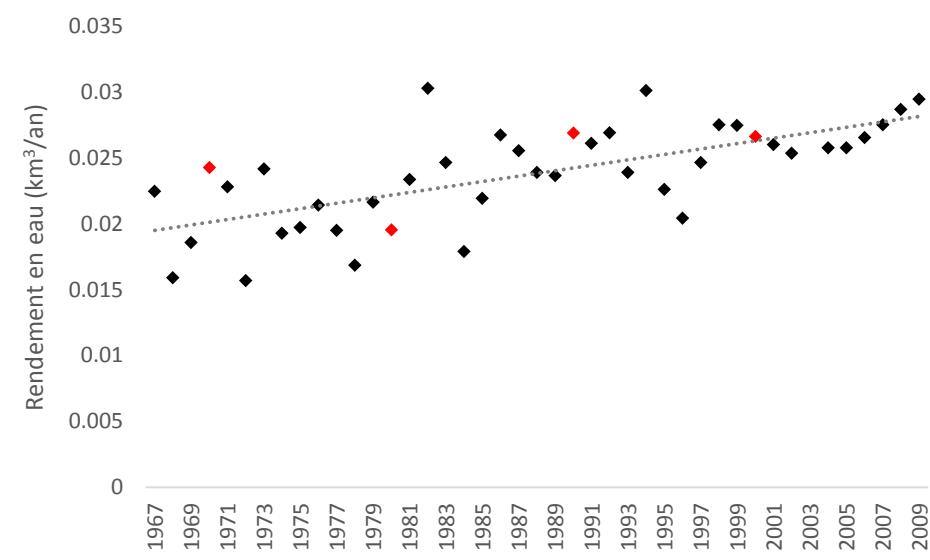
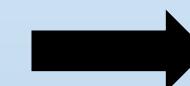
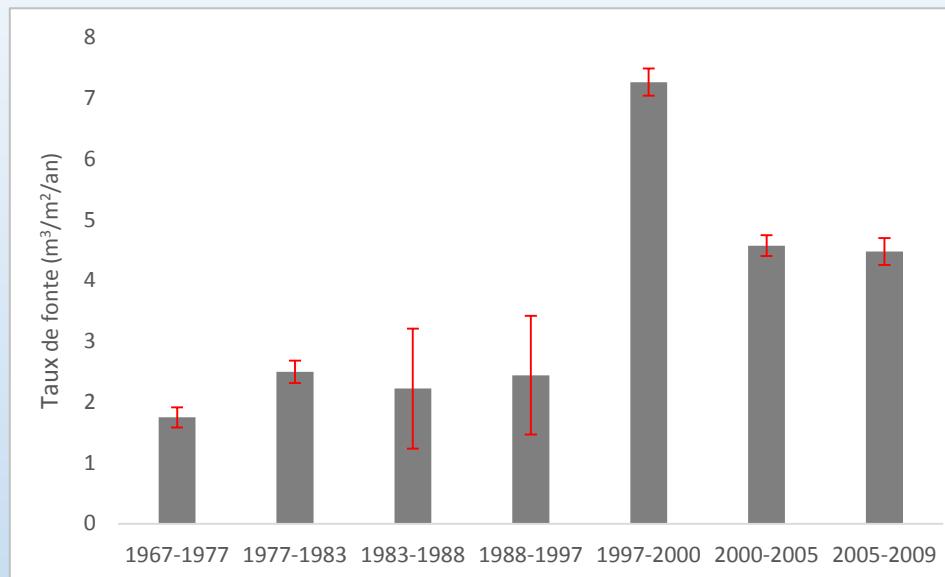
Variations d'épaisseur



Résultats

1. Taux de fonte annuelle
2. Rendement en eau de la prise d'eau
3. Contribution de la fonte de glace





- < 10 % contribution (> 25 % attendu) pour la zone de la langue considérée
- Diminution de la contribution, de l'apport en eau par le glacier à la prise d'eau
- Glacier = stock fini, ressource sans garanties et en perdition



**Merci pour
votre attention!**

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