

## ***Interactive comment on “A new automatic approach for extracting glacier centerlines” by Dahong Zhang et al.***

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Dear authors,

thank you for what looks like an interesting new way to compute glacier centerlines.

I would like to bring to your attention that there is an open-source python implementation of the Kienholz et al. 2014 algorithm. The method is available as part of the OGGM modelling framework (<https://oggm.org/>, Maussion et al., 2019). The implementation and parameters are not "one to one" the same as in Kienholz et al. 2014 but similar enough to allow a fair comparison of your method with previously available ones. I think that your manuscript would gain by making this comparison.

Furthermore, I would like to mention that "Code and results are available upon re-

quest" statements are against this journal's data policies ([https://www.the-cryosphere.net/policies/data\\_policy.html](https://www.the-cryosphere.net/policies/data_policy.html)). These practices are detrimental to the review process and to science in general. I would highly recommend to publish your code and centerlines in an openly accessible repository and with a clear software license, in particular if you suggest to use your code instead of previous methods for the generation of the RGI's centerlines.

Best regards,

Fabien Maussion

### References

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