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*Supplement of*

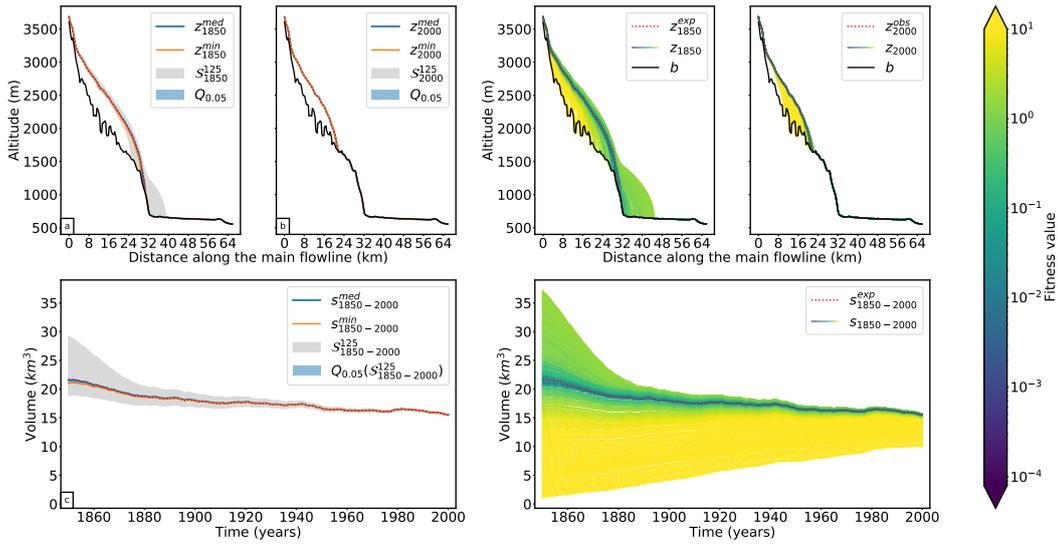
## **Initialization of a global glacier model based on present-day glacier geometry and past climate information: an ensemble approach**

**Julia Eis et al.**

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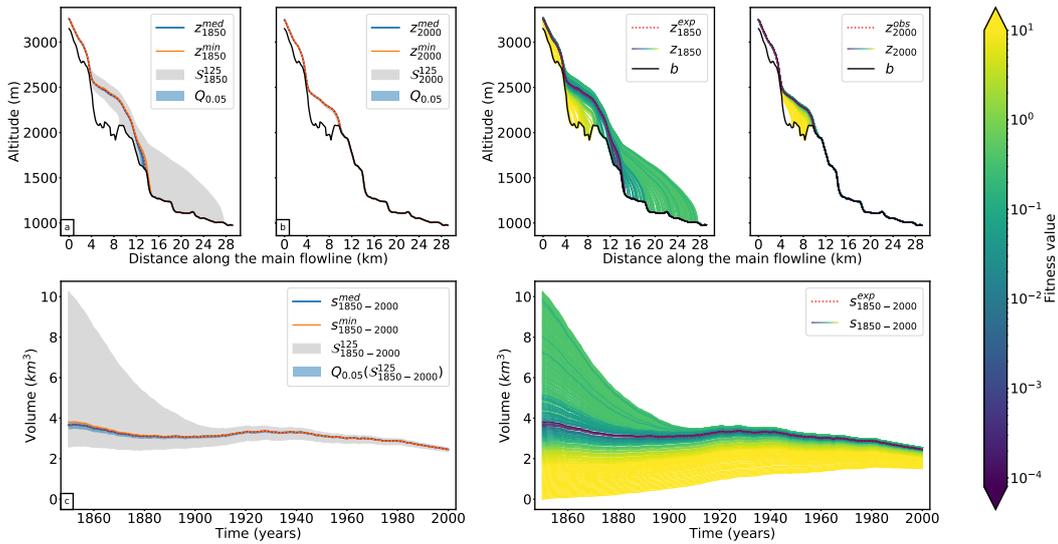
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RG160-11.01450



**Figure S1.** Aletsch Glacier (Switzerland), RGI60-11.01450, reconstructability measure: 0.929

RG160-11.00106: Pasterze



**Figure S2.** Pasterze (Austria), RGI60-11.00106, reconstructability measure: 0.953

RGI60-11.00719: Vernagtferner

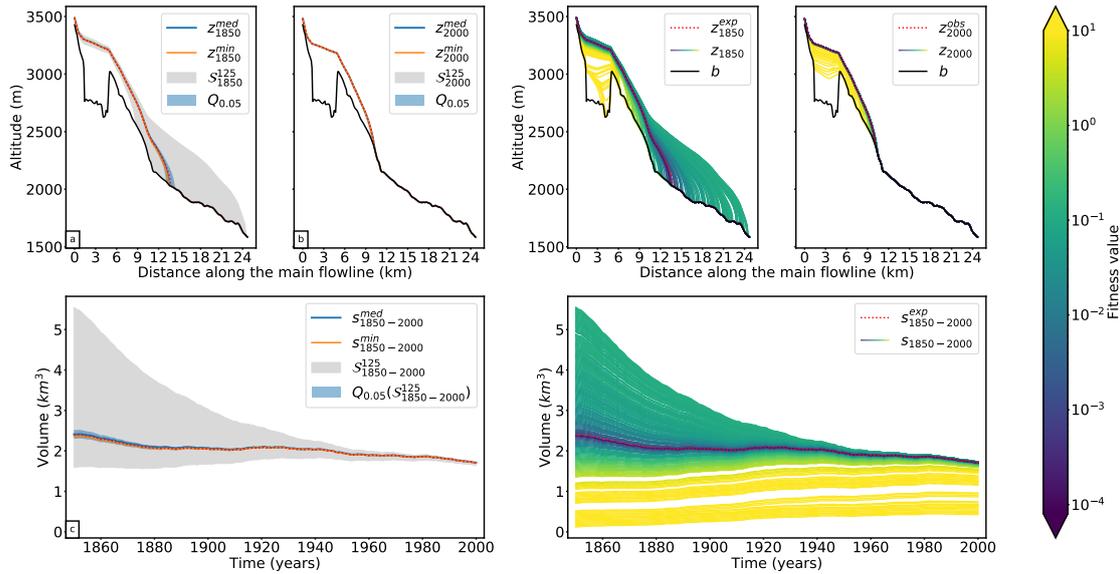


Figure S3. Vernagtferner (Austria), RGI60-11.00719, reconstructability measure:0.945

RGI60-11.02715

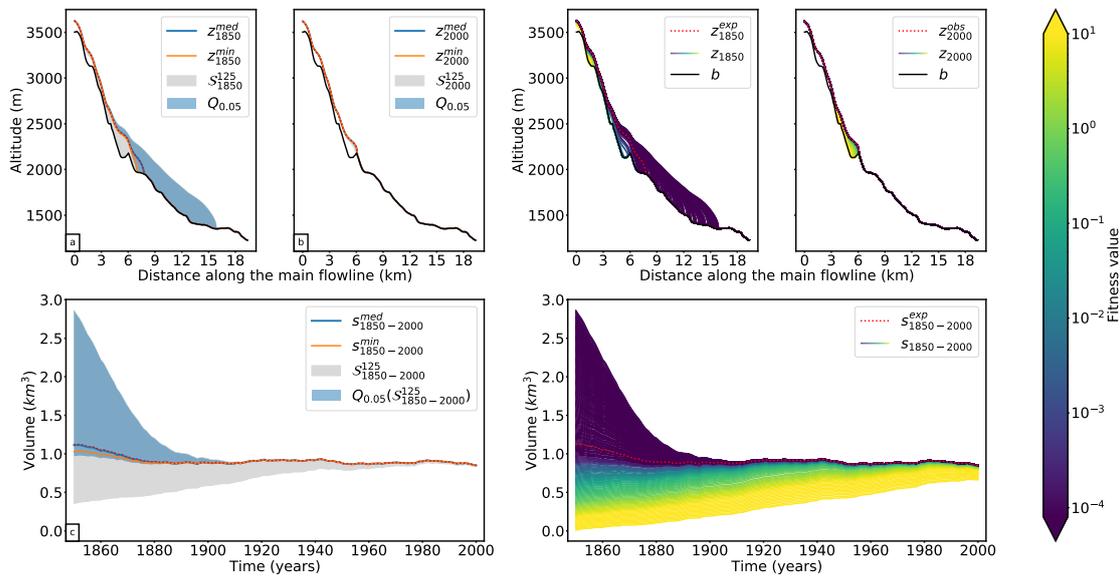


Figure S4. Glacier de Ferècle (Switzerland), RGI60-11.02715, reconstructability measure:0.246

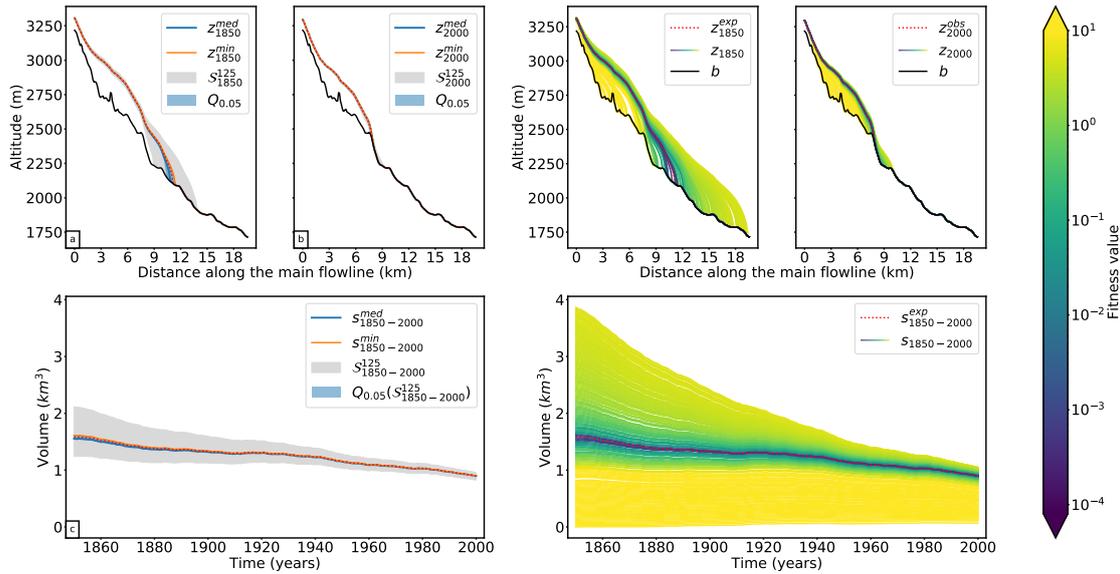


Figure S5. Gurglerferner (Austria), RG160-11.00887, reconstructability measure: 0.911

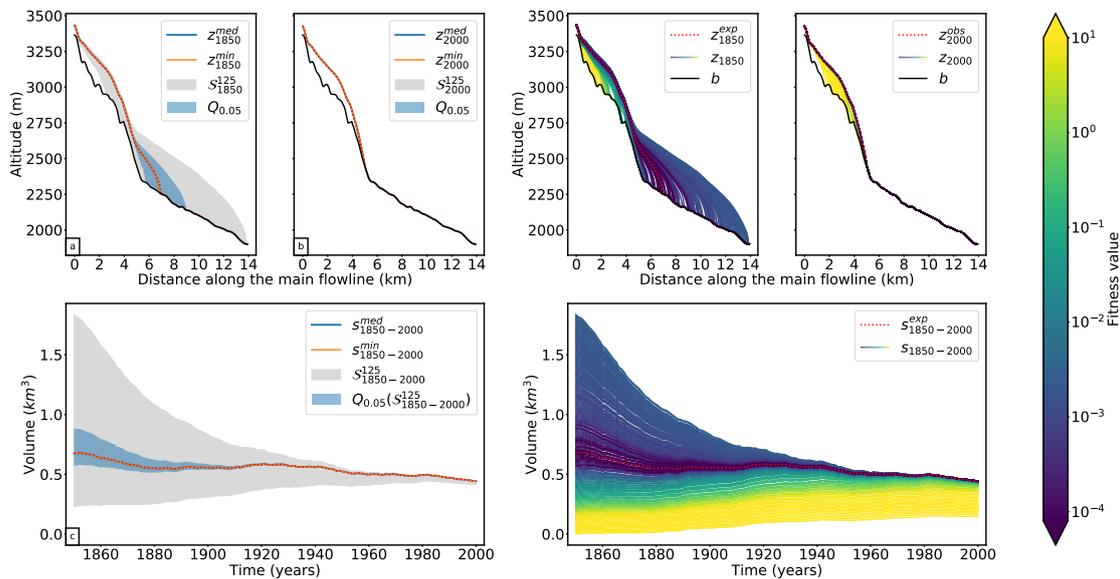
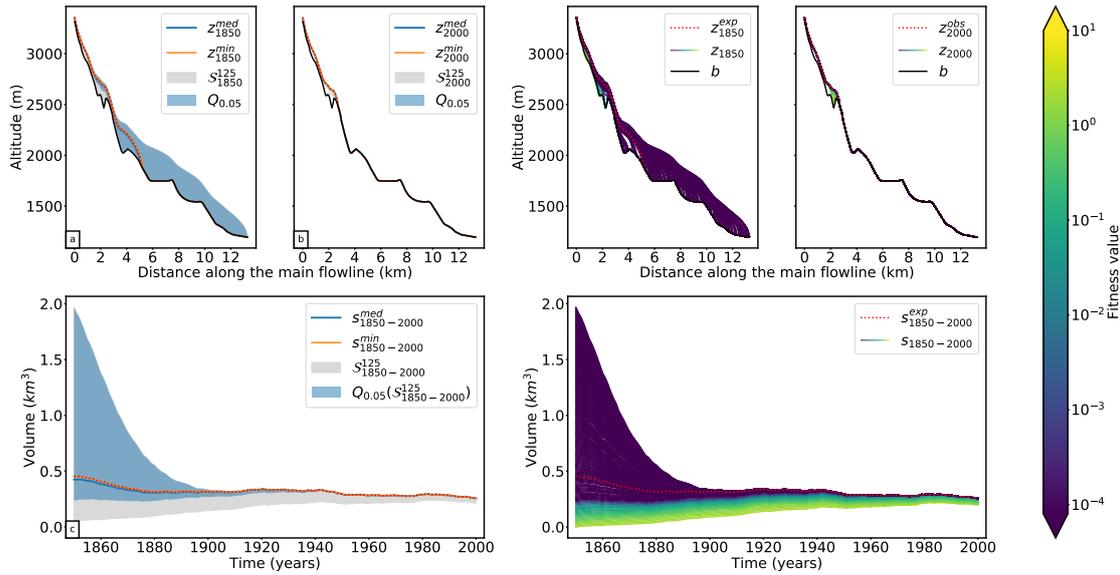
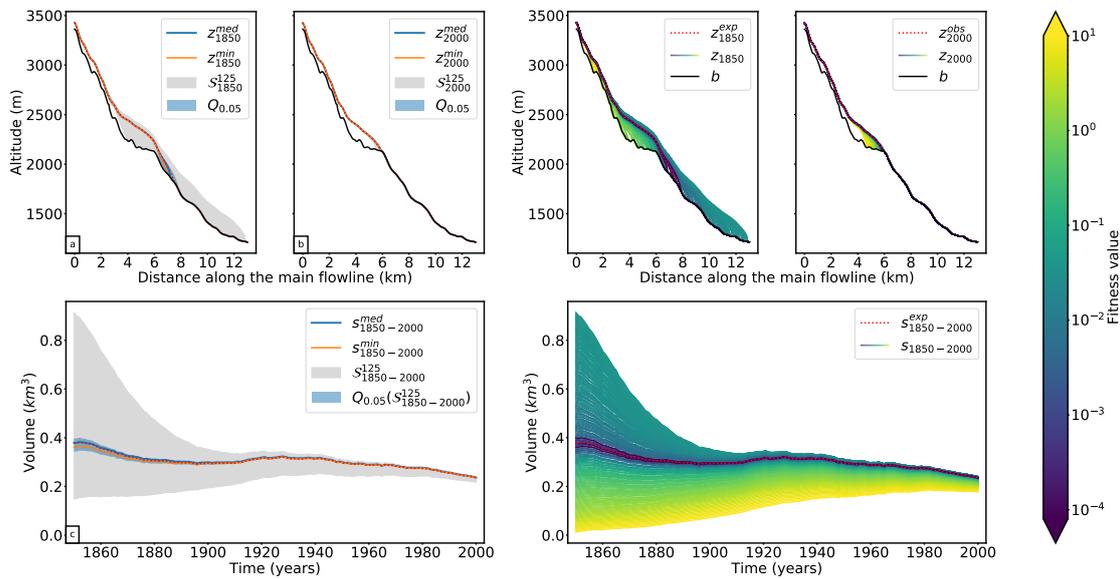


Figure S6. Kesselwandferner (Austria), RG160-11.00787, reconstructability measure:0.805



**Figure S7.** Dammagletscher (Switzerland), RGI60-11.01246, reconstructability measure: 0.098



**Figure S8.** Untersulzbachkees (Austria), RGI60-11.00068, reconstructability measure: 0.929

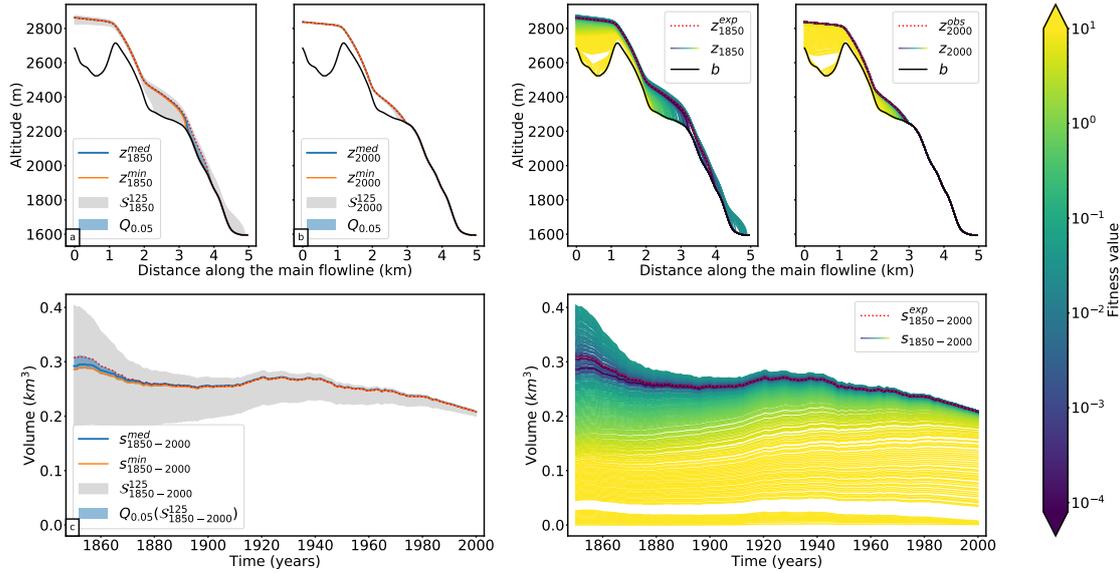


Figure S9. Wurtenkees (Austria), RGI60-11.00300, reconstructability measure:0.882

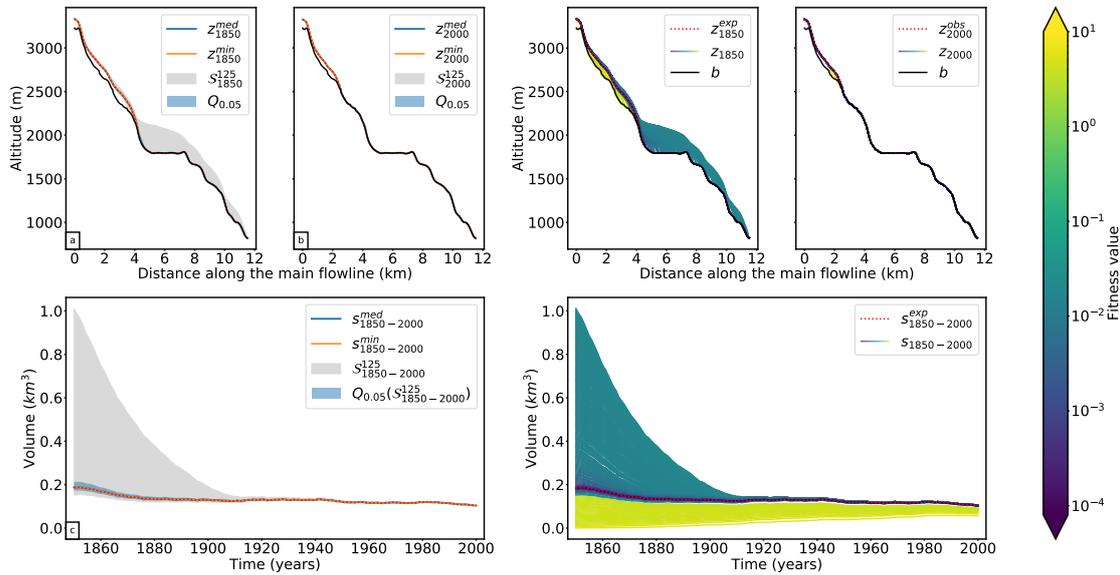


Figure S10. Limmernfirn (Switzerland), RGI60-11.00918, reconstructability measure:0.953

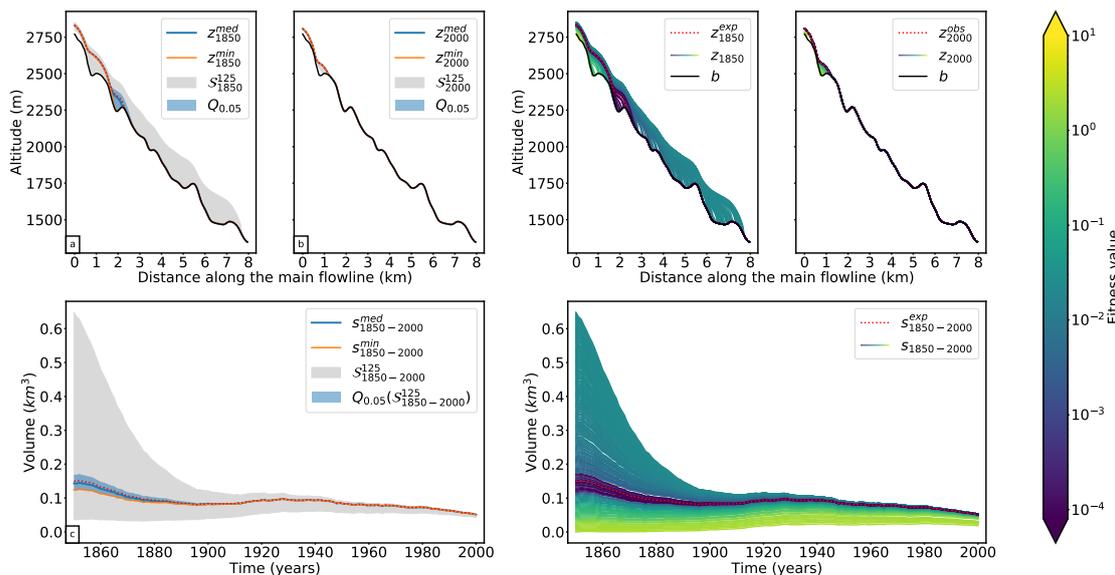


Figure S11. Stubacher Sonnblickkees (Austria), RGI60-11.00080, reconstructability measure:0.926

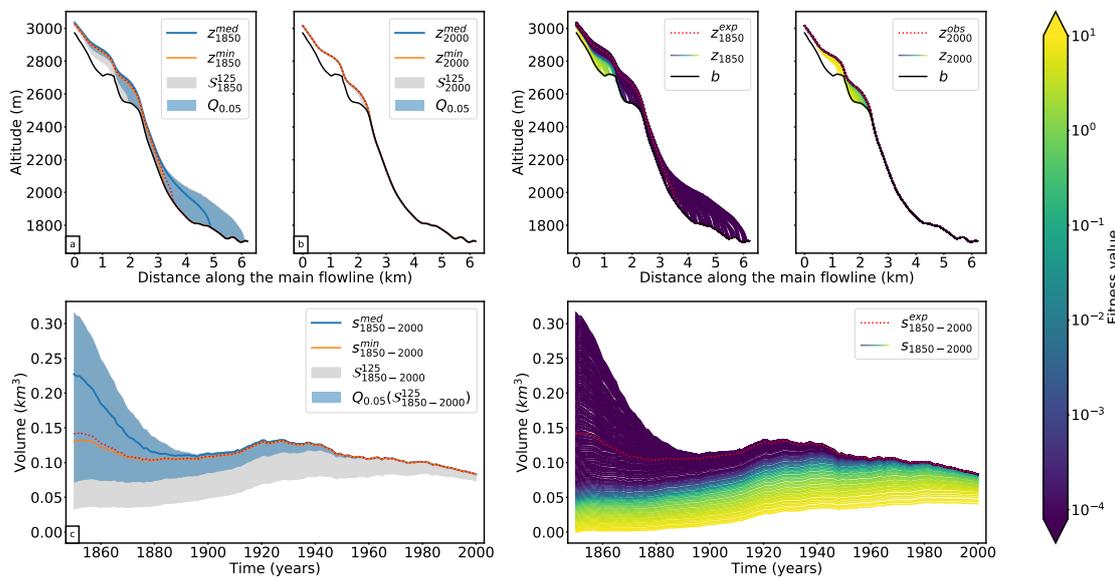


Figure S12. Kleinfleisskees (Austria), RGI60-11.00251, reconstructability measure:0.135

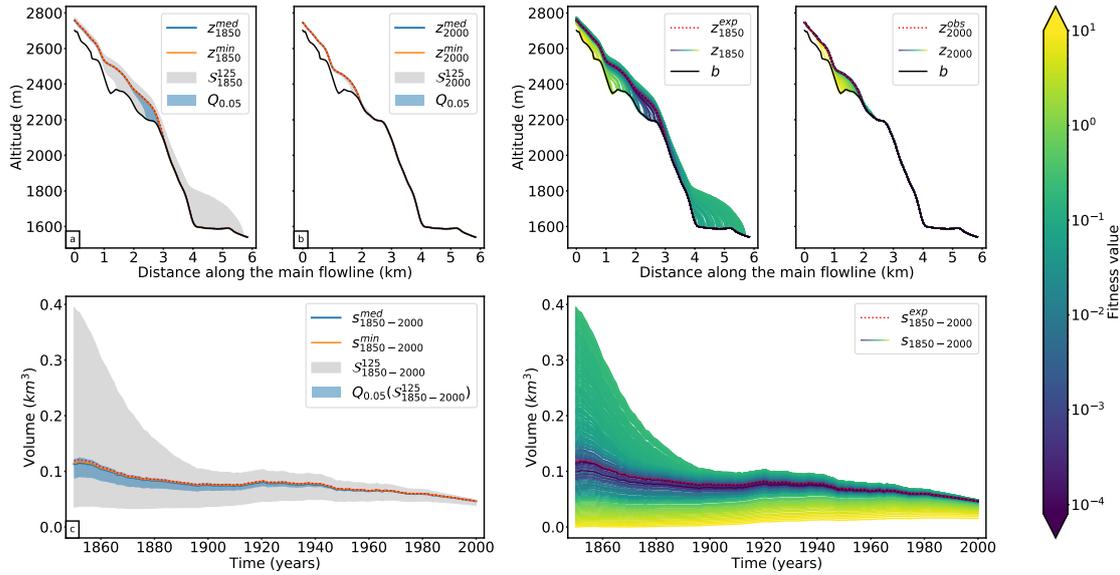


Figure S13. Goldbergkees (Austria), RGI60-11.00289, reconstructability measure:0.900

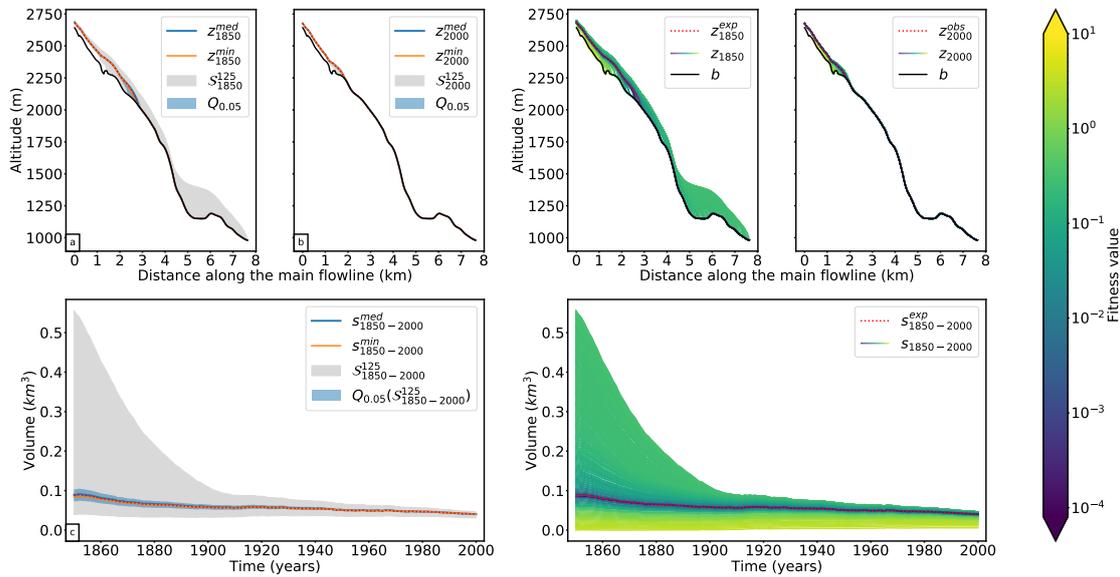


Figure S14. Großer Gosaugletscher (Austria), RGI60-11.00003, reconstructability measure:0.941

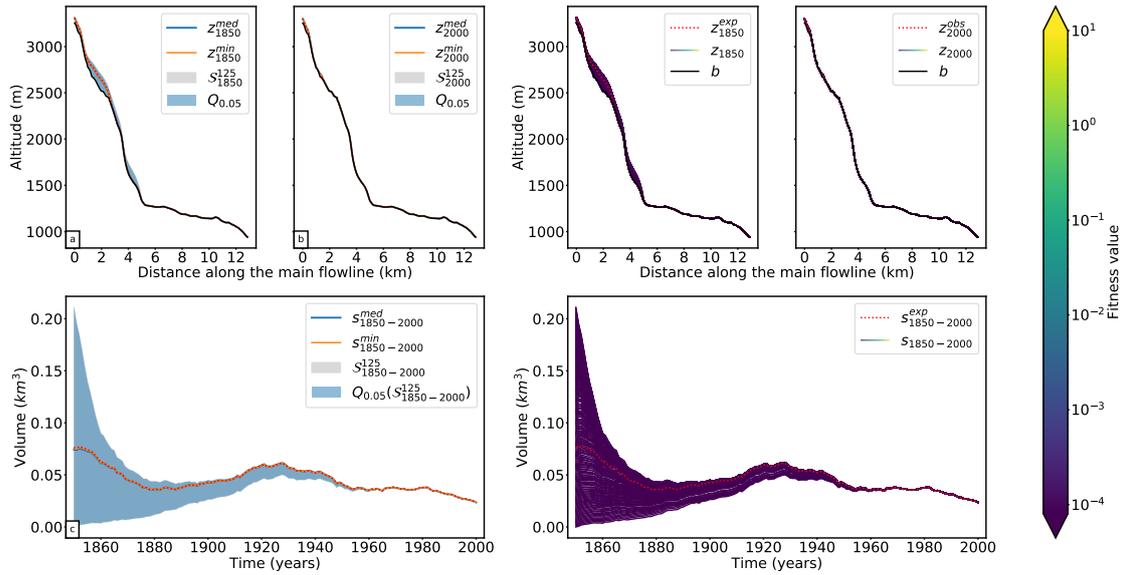


Figure S15. Hochgruberkees (Austria), RGI60-11.00049, reconstructability measure: 0.00

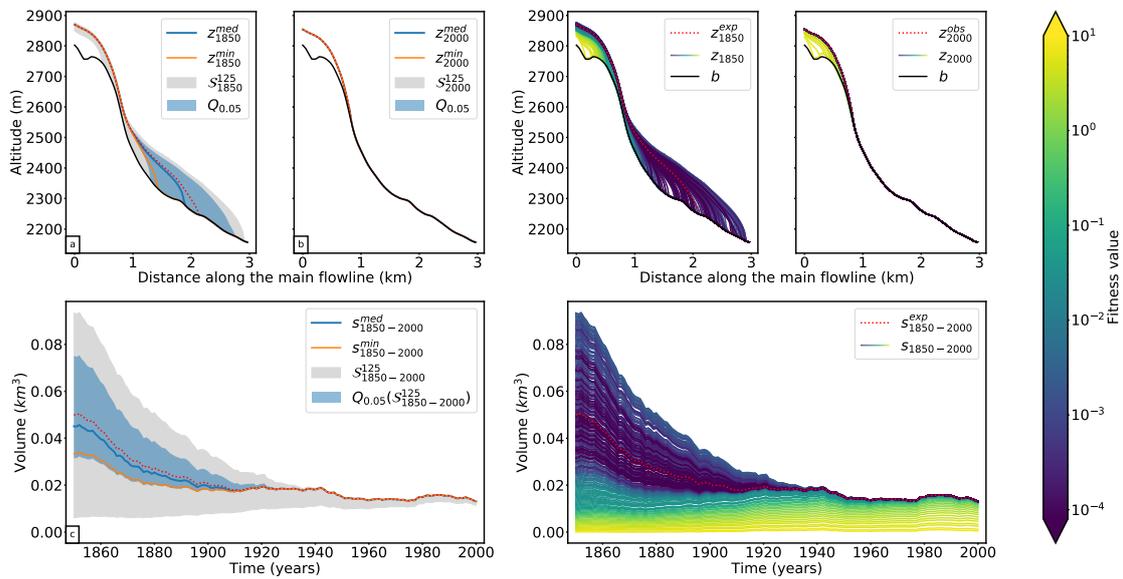


Figure S16. unnamed glacier in Switzerland, RGI60-11.02791, reconstructability measure:0.5

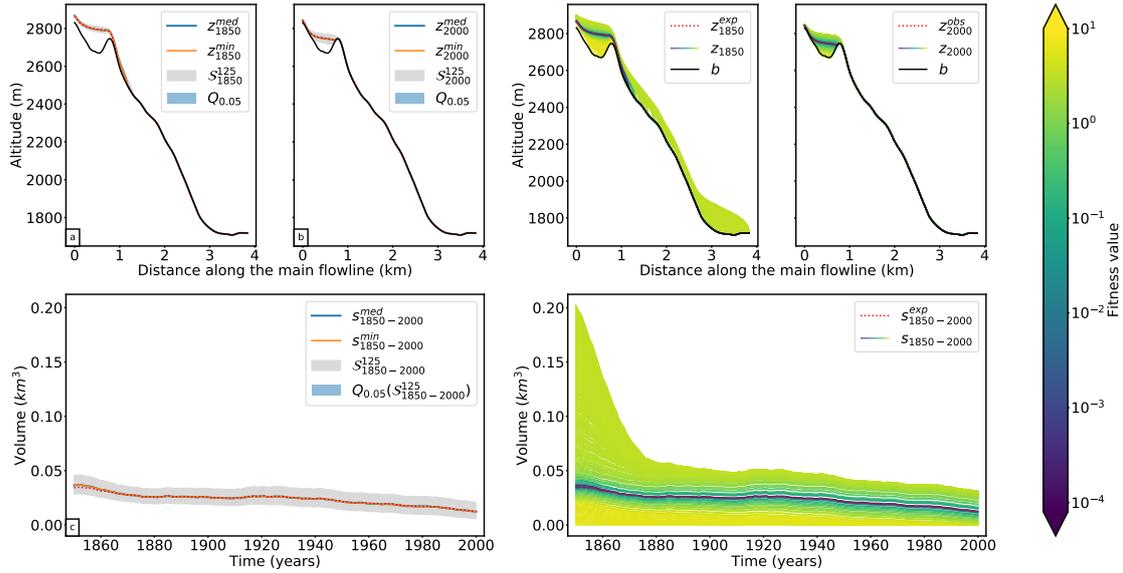


Figure S17. unnamed glacier in Austria, RGI60-11.00402, reconstructability measure:1.00

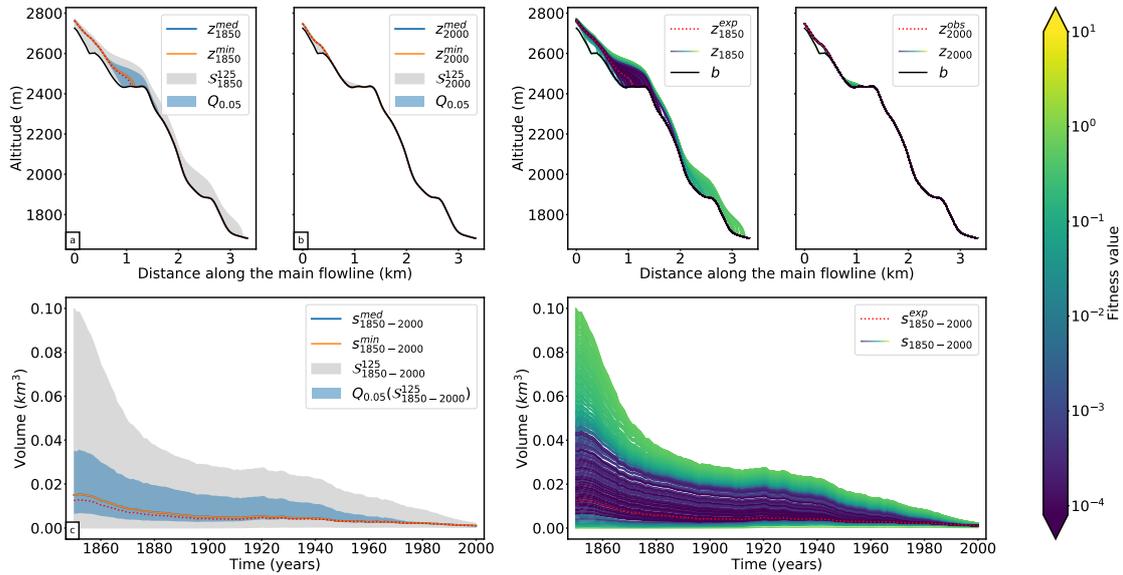


Figure S18. Wurfkees (Austria), RGI60-11.00026, reconstructability measure:0.714