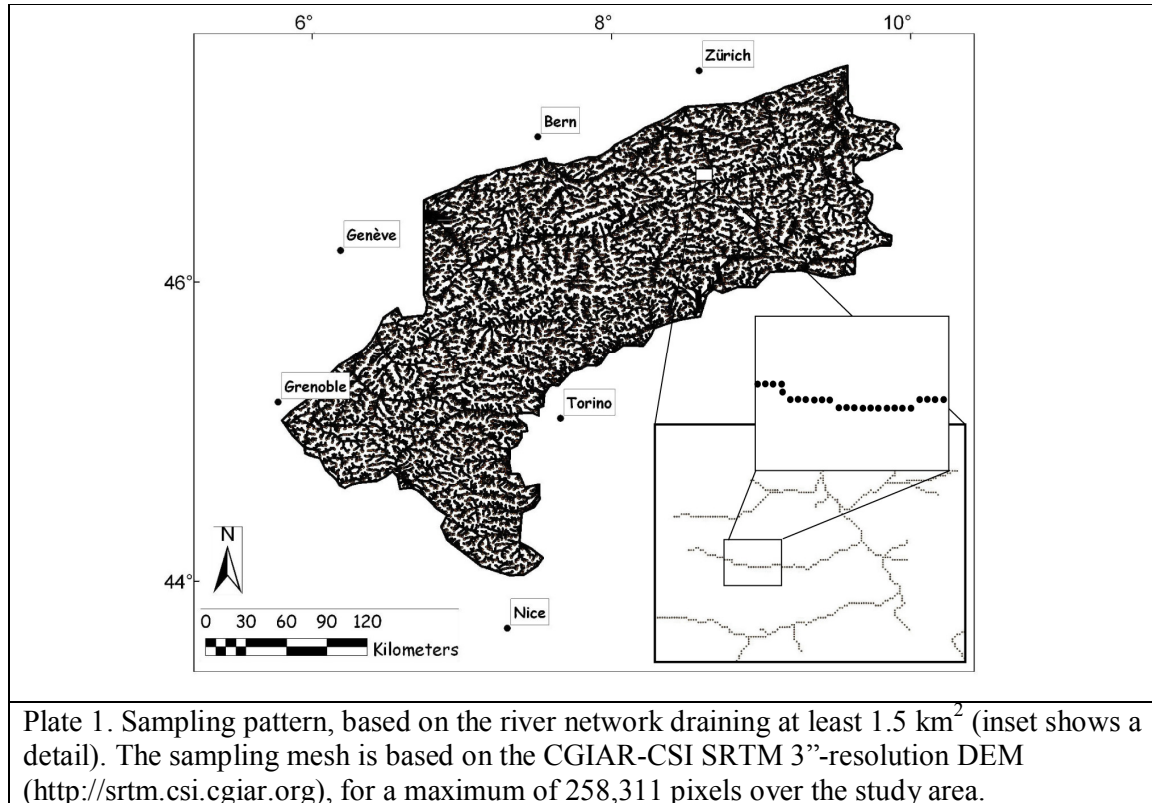


1 APPENDIX

2 A1: Maps used in the study of correlations between long-term exhumation trends and present-day
3 forcing parameters (Table 1, appendices A1, A2 and A3), and in the cross-sections (Figure 3).

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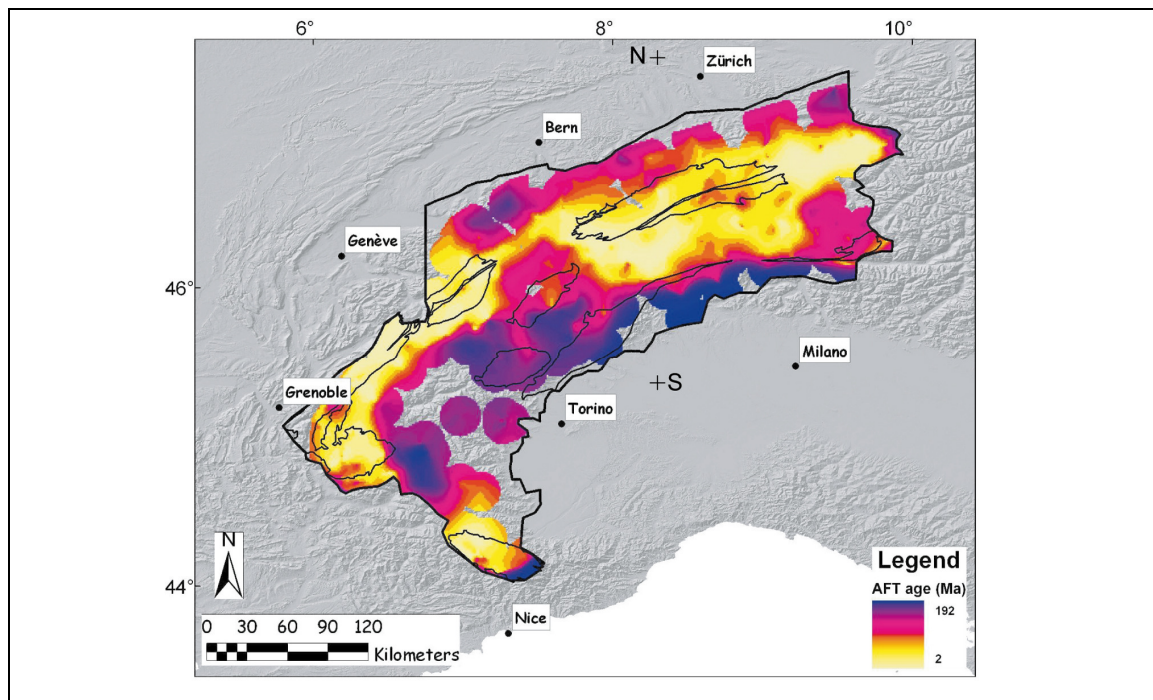


Plate 2. Interpolated apatite fission track (AFT) age, after Vernon et al. (2008). N-S: location of cross-section shown in Figure 3

6

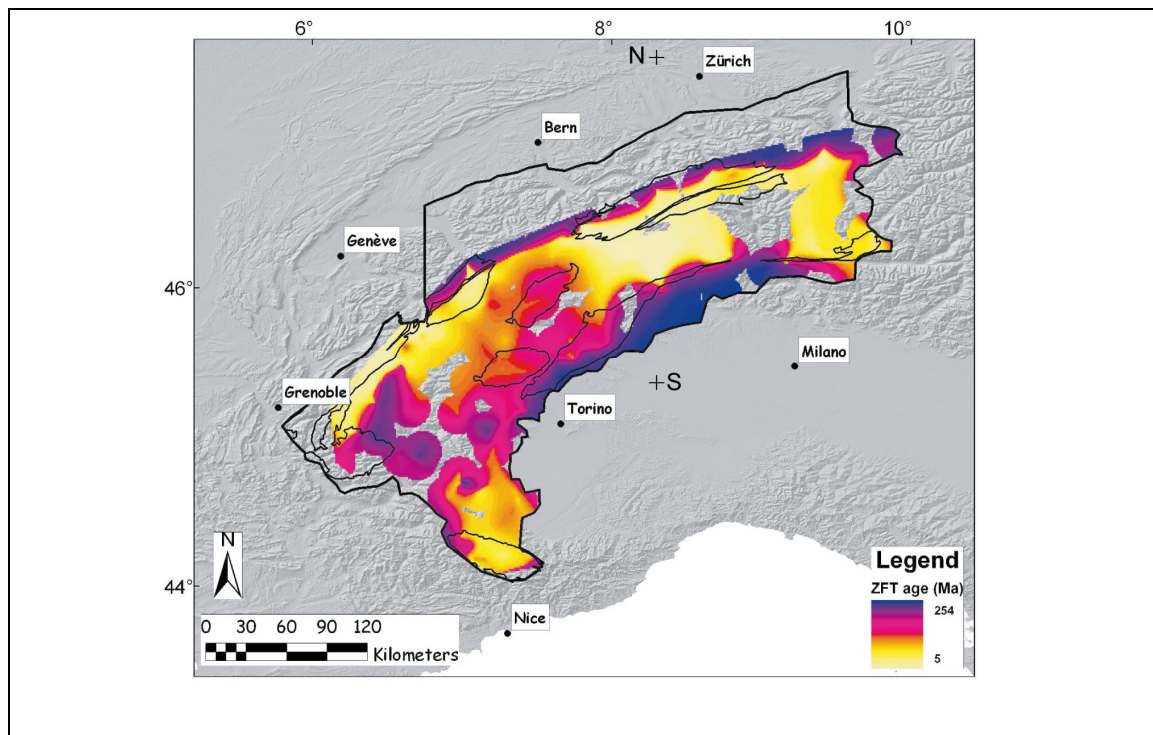
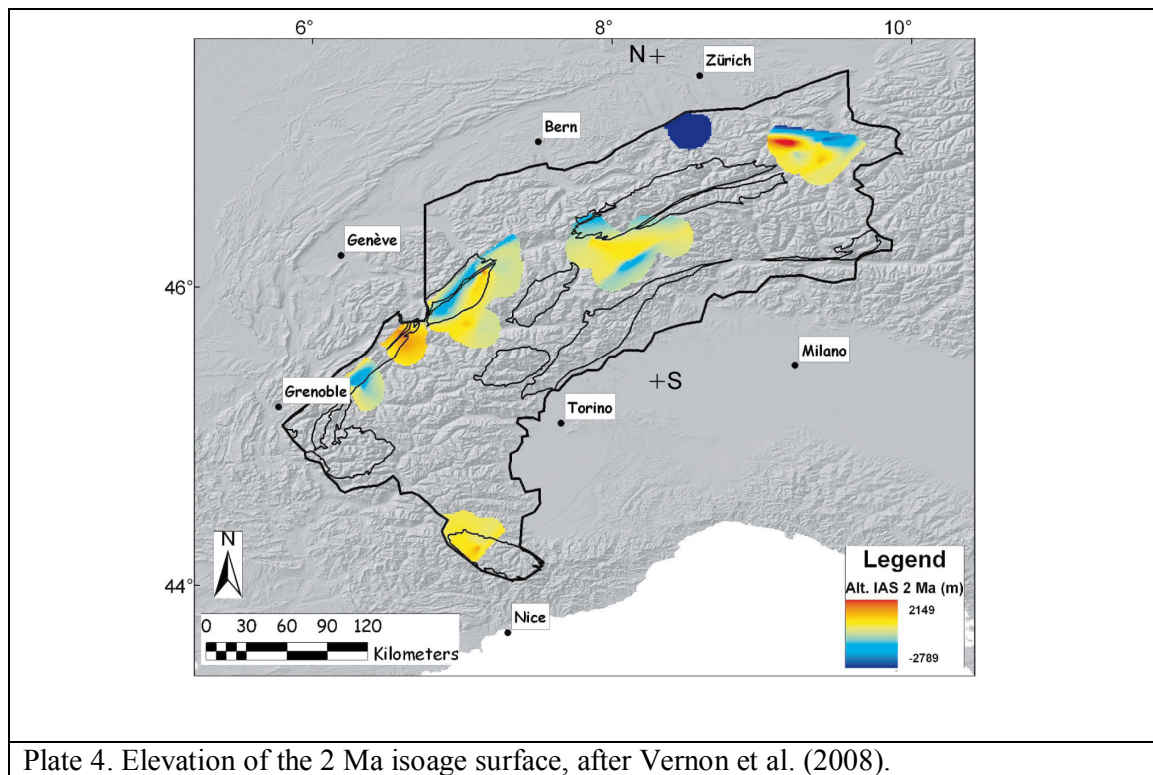
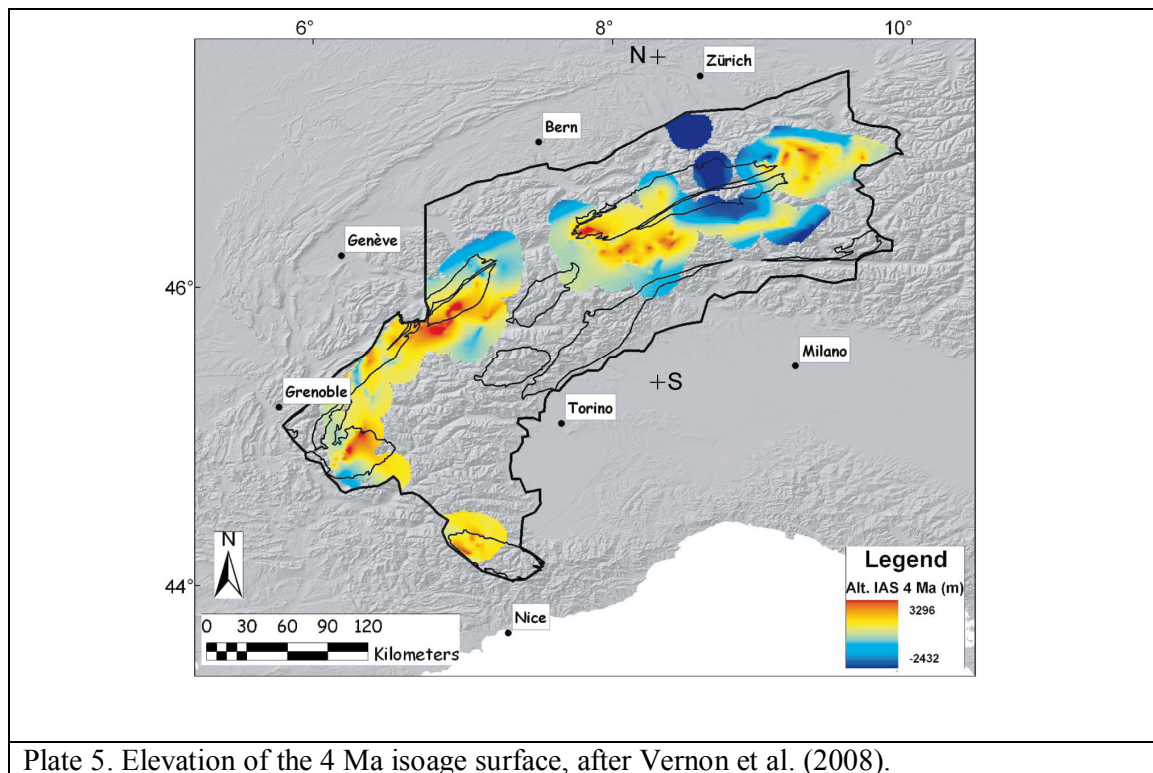


Plate 3. Interpolated zircon fission track (ZFT) age after Vernon et al. (2008).

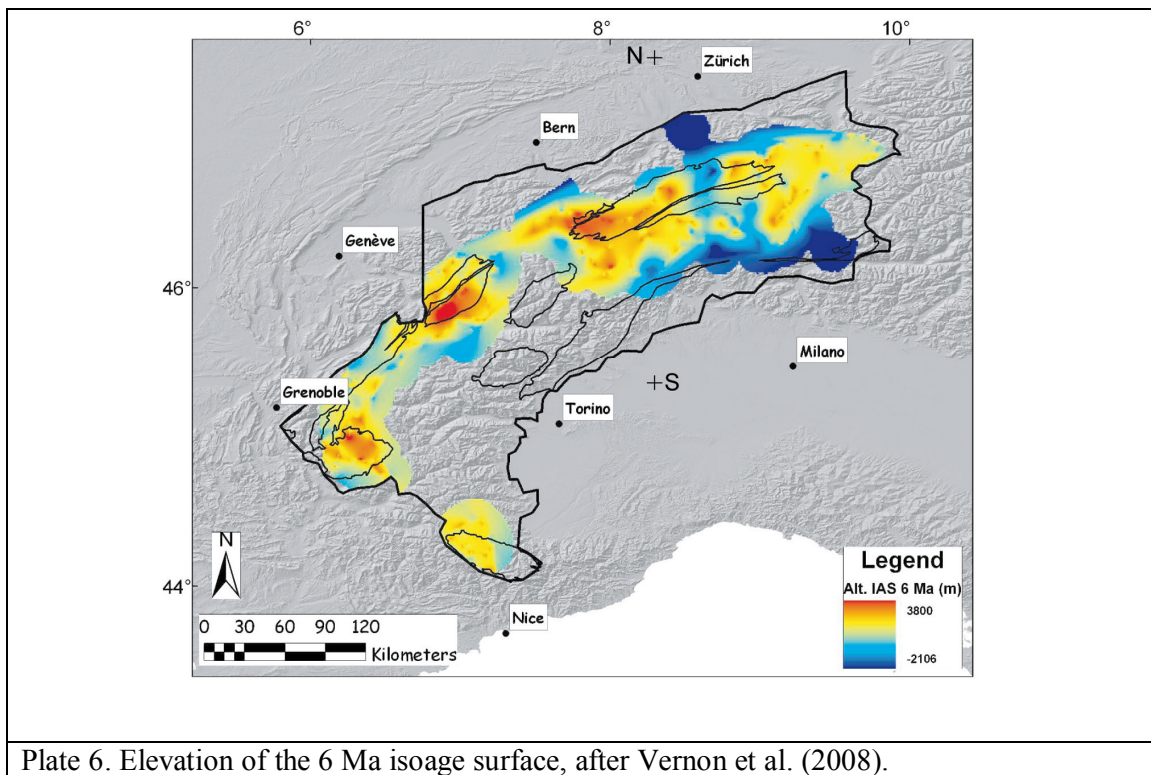
7



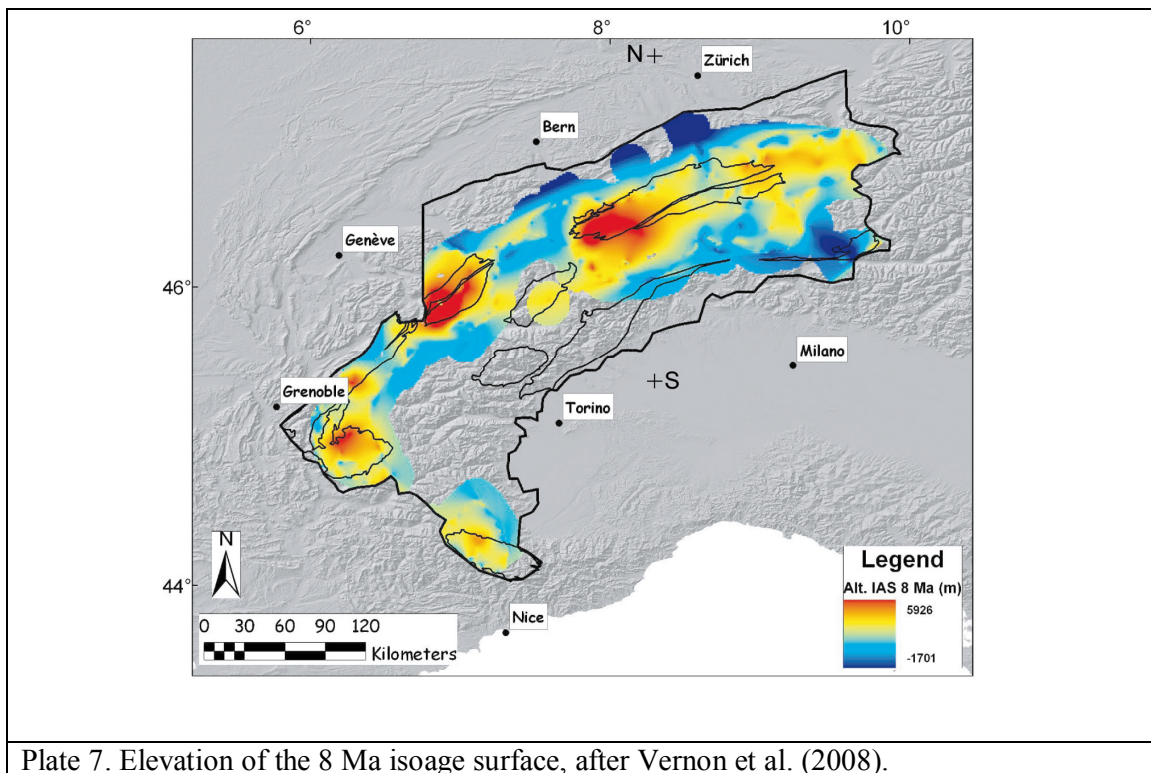
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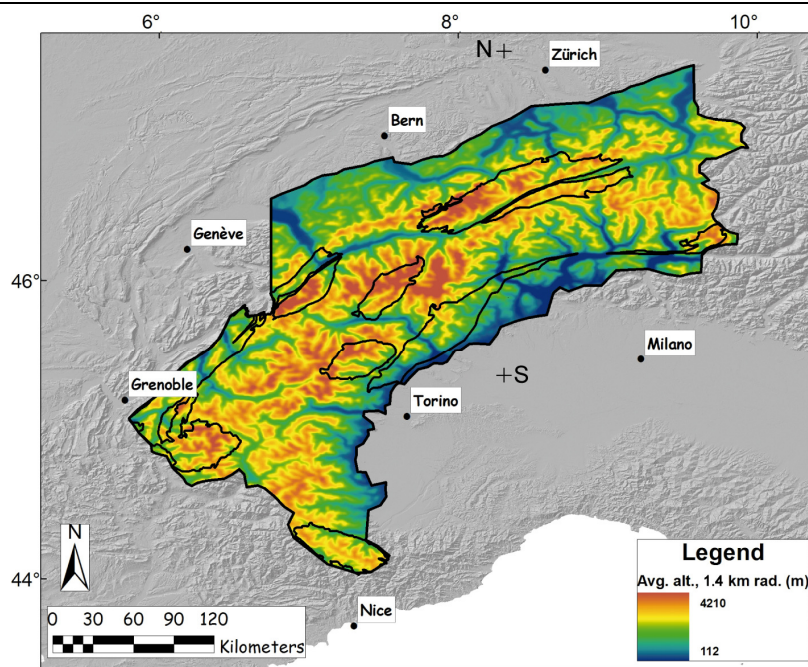


Plate 8. Mean elevation in a 1.4 km radius, calculated using the DEM obtained from the CGIAR-CSI SRTM 3"-resolution database (<http://srtm.csi.cgiar.org>).

12

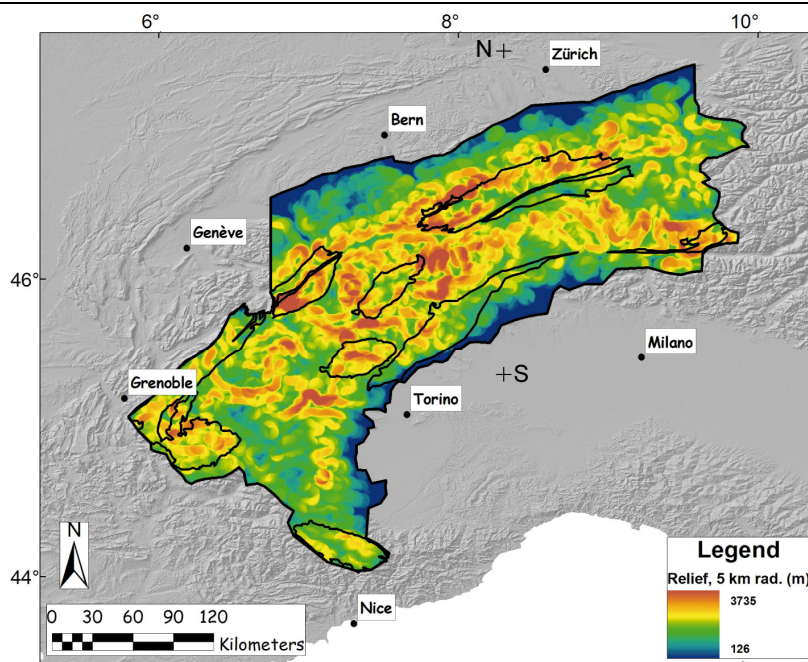


Plate 9. Relief (difference between maximum and minimum elevation) in a 5 km radius, calculated using the DEM obtained from the CGIAR-CSI SRTM 3"-resolution database (<http://srtm.csi.cgiar.org>).

13

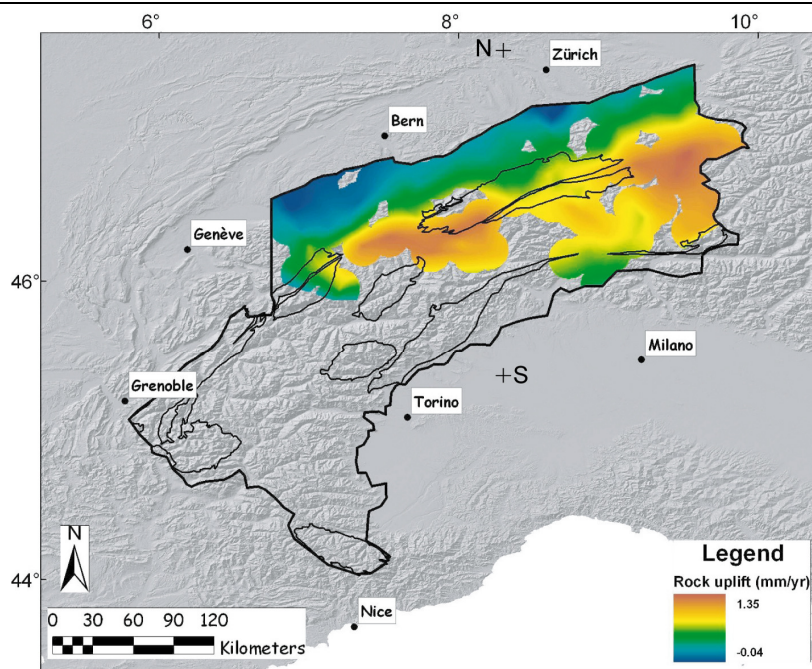


Plate 10. Annual uplift rate measured by geodesy, from the Swiss Federal Office of Topography (SwissTopo) geodetic database (Schlatter, 2007).

14

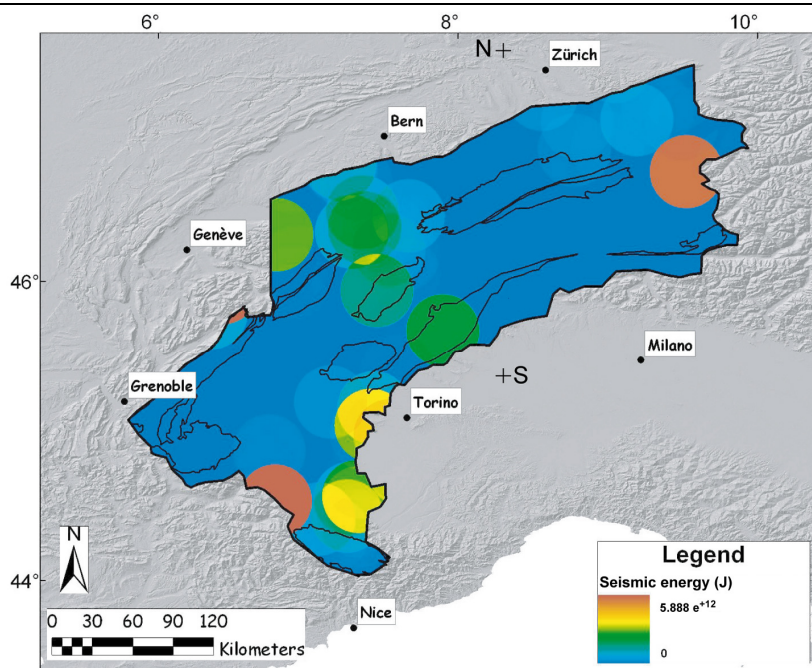
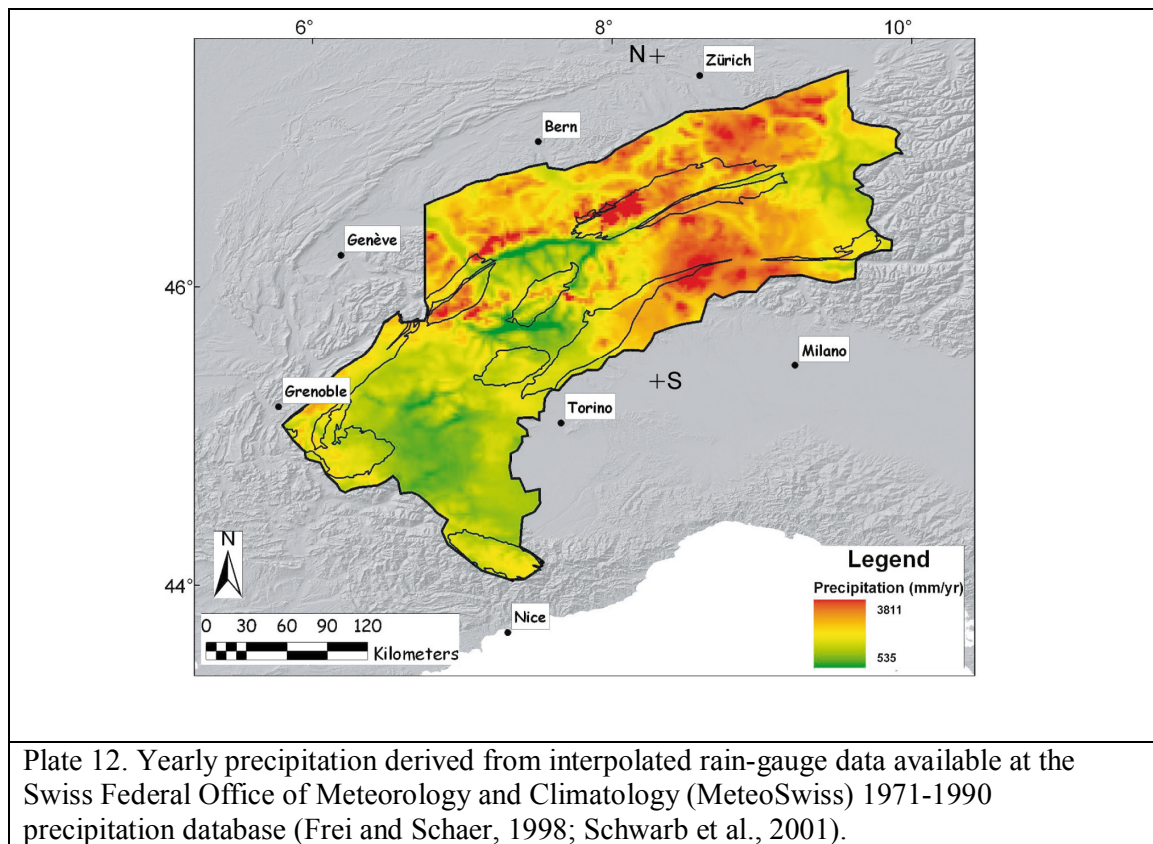
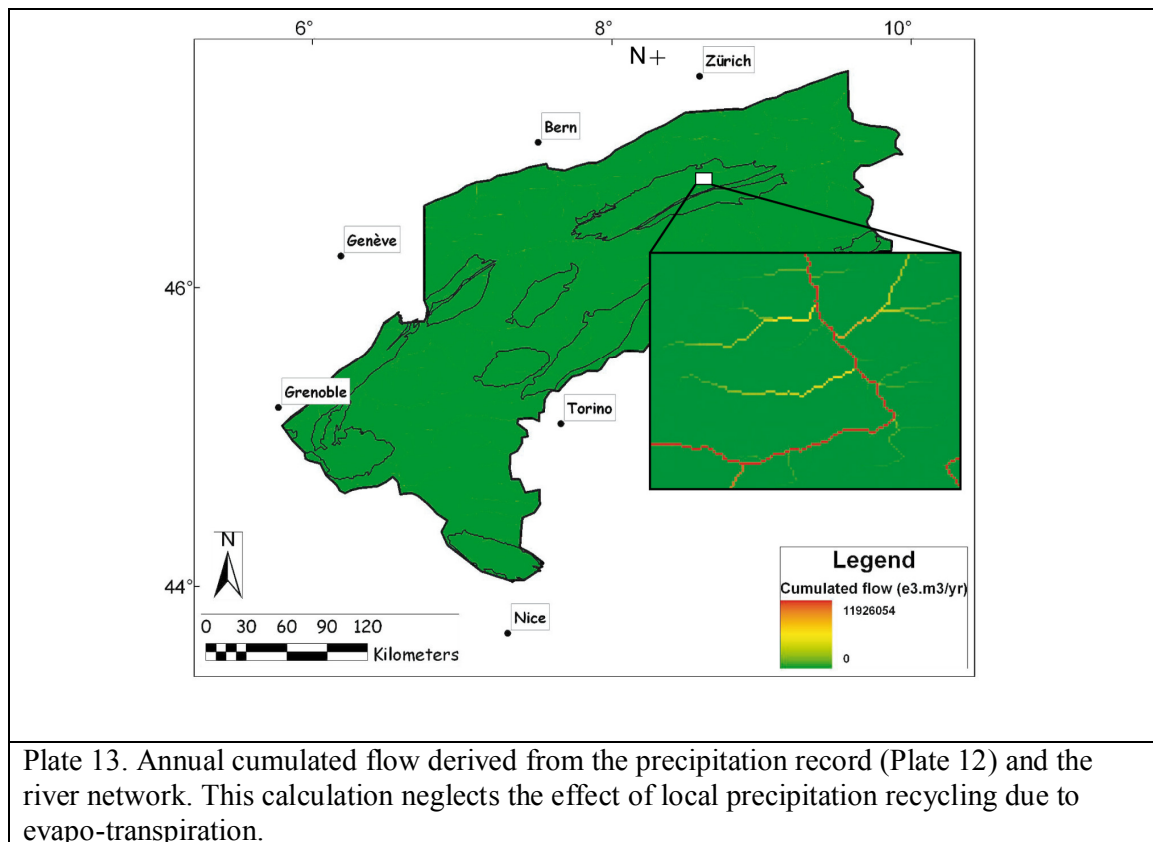


Plate 11. Cumulated seismic energy released, using the earthquake database in Delacou et al. (2004), for the record over the 1959-2000 period for which the focal mechanism is known.

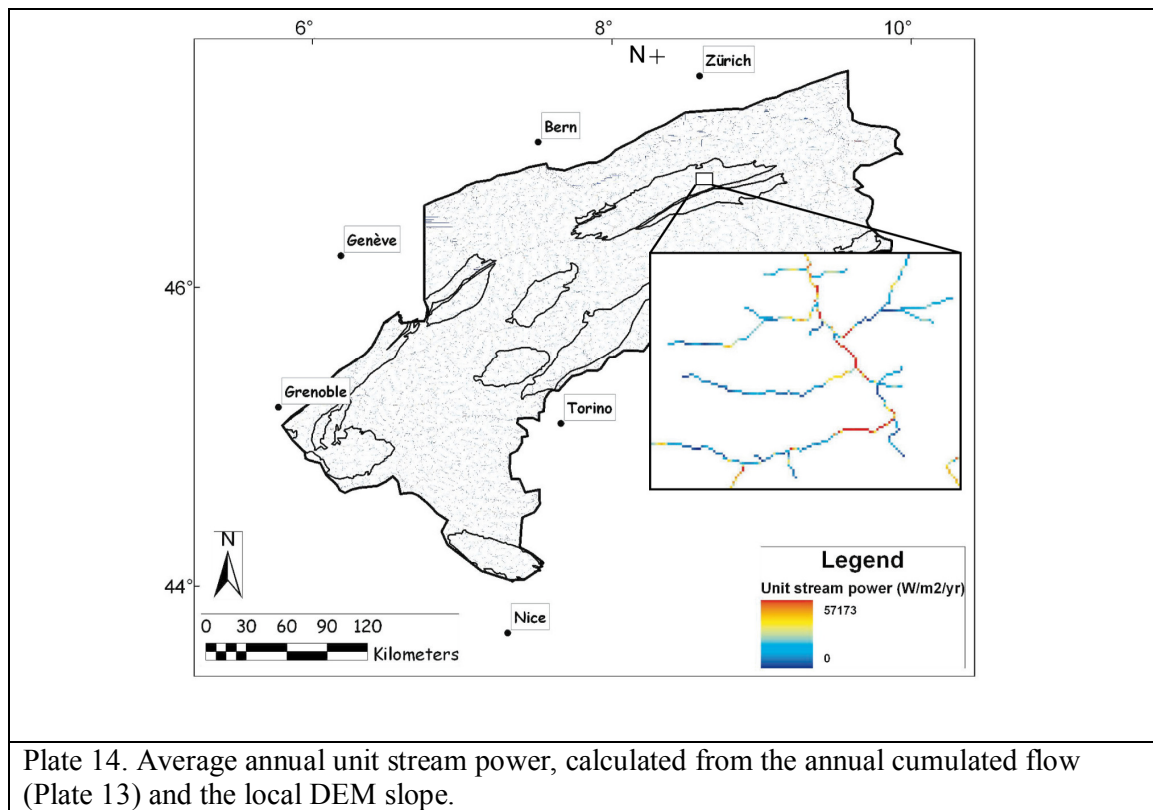
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19 A2: Table of Kendall τ -b correlation coefficients between different control parameters

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	Rock uplift	Precipitation	Cumulated flow	Stream power	Seismic energy	Relief (5 km)
Precipitation	-0.207					
Cumulated flow	0.004	0.045				
Stream power	0.192	0.016	0.335			
Seismic energy	-0.067	-0.251	-0.049	-0.061		
Relief (5 km)	0.397	-0.056	-0.022	0.219	-0.083	
Mean elevation	0.248	-0.036	-0.191	0.076	-0.013	0.284

21 A3: Table of Kendall τ -b correlation coefficients between different measures of long-term
 22 exhumation
 23

	AFT Age	2 Ma iso-age surface elevation	4 Ma iso-age surface elevation
2 Ma iso-age surface elevation	-0.153		
4 Ma iso-age surface elevation	-0.317	0.406	
Distance between 4-2 Ma iso- age surfaces	-0.325	-0.060	0.535

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