GeoHealth Supporting information for The impact of a six-year climate anomaly on the 'Spanish Flu' Pandemic and WWI Alexander F. More^{1,2,3}, Christopher P. Loveluck⁴, Heather Clifford², Michael J. Handley², Elena V. Koroktikh², Andrei V. Kurbatov², Michael McCormick¹ and Paul A. Mayewski² ¹Harvard University, Initiative for the Science of the Human Past, Cambridge, MA, U.S.A. ²Climate Change Institute, University of Maine, Orono, ME, U.S.A. ³Department of Public Health, Long Island University, NYC, NY, U.S.A. ⁴Department of Classics & Archaeology, School of Humanities, University of Nottingham, Nottingham, U.K. Contents of this file: Note on methodology Figures S1-S7 **Note on methodology** The Colle Gnifetti environmental records presented in this publication were obtained following methodologies already published in detail in Sneed et al. 2015, More et al. 2017, More et al. 2018, Bohleber et al. 2018, Clifford et al. 2019. All other data presented—precipitation, mortality, and temperature—was published by authors not involved with our research group.

Supplemental figures

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49 50

51 52 Mean Sea Level Pressure (hPa) November 1914

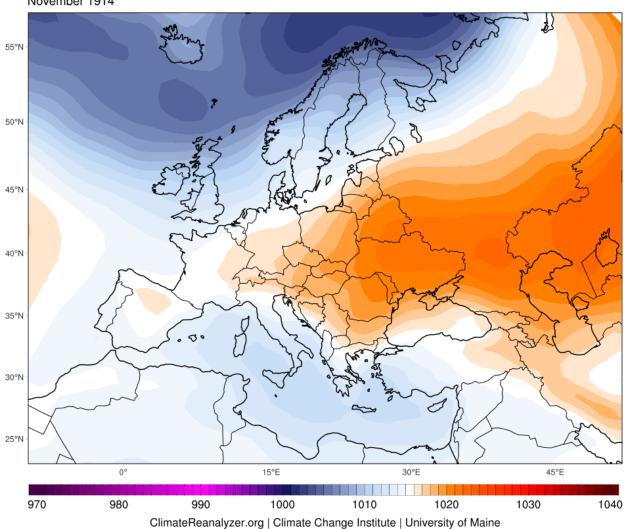


Figure S1. Mean sea-level pressure map of Europe obtained from Climate ReanalyzerTM using ECMWF ERA-20C dataset for November, 1914.



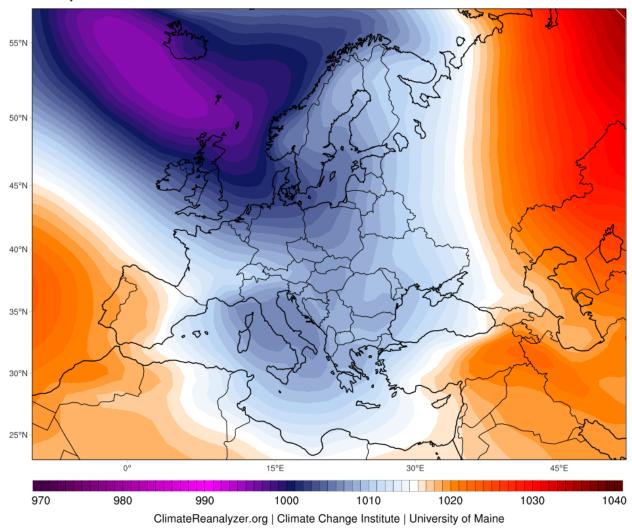


Figure S2. Mean sea-level pressure map of Europe obtained from Climate ReanalyzerTM using ECMWF ERA-20C dataset for January, 1915.



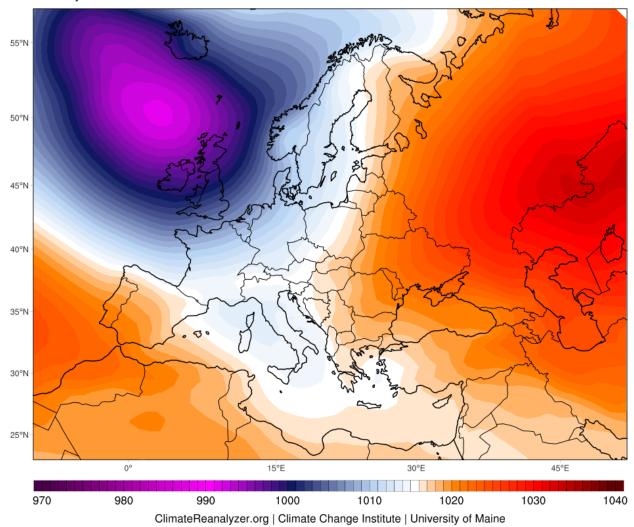
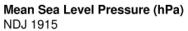


Figure S3. Mean sea-level pressure map of Europe obtained from Climate Reanalyzer™ using ECMWF ERA-20C dataset for February, 1915.



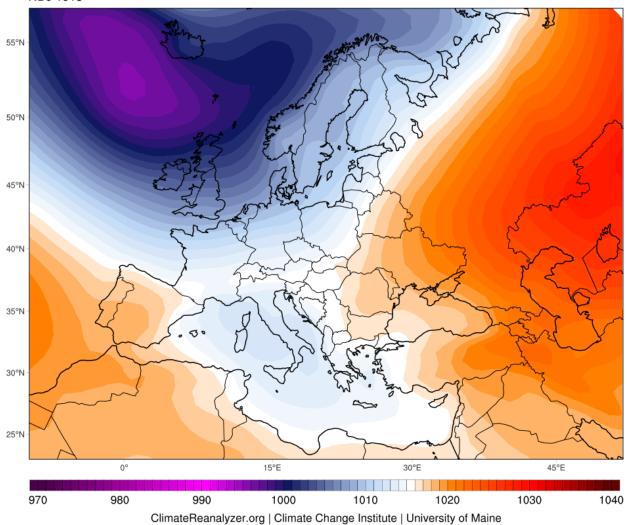


Figure S4. Mean sea-level pressure map of Europe obtained from Climate ReanalyzerTM using ECMWF ERA-20C dataset for November-December, 1915, and January 1916.



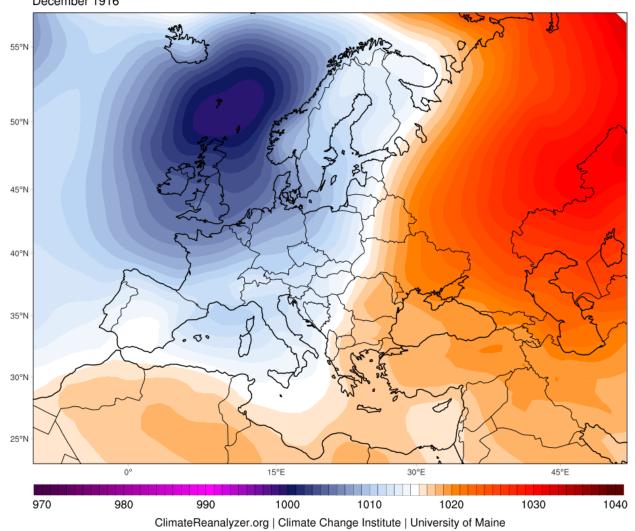


Figure S5. Mean sea-level pressure map of Europe obtained from Climate Reanalyzer™ using ECMWF ERA-20C dataset for December, 1916.

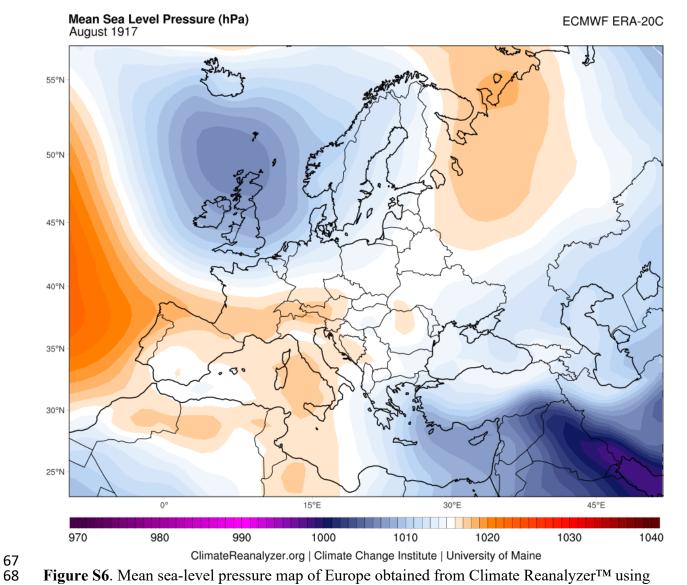


Figure S6. Mean sea-level pressure map of Europe obtained from Climate ReanalyzerTM using ECMWF ERA-20C dataset for August, 1917.



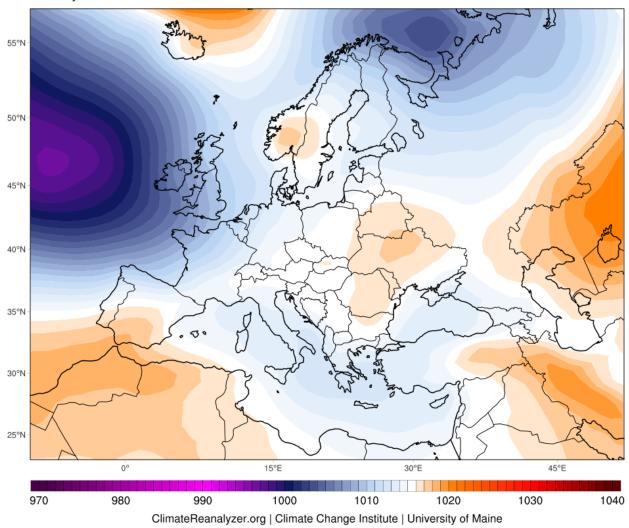


Figure S7. Mean sea-level pressure map of Europe obtained from Climate ReanalyzerTM using ECMWF ERA-20C dataset for February, 1919.