

Research Output of Stefan Brönnimann, last ten years

* output first-authored by group members

+ co-first authors

http://www.geography.unibe.ch/research/climatology_group/publications/index_eng.html

1. Publications in international peer-reviewed scientific journals

- *Franke, J., D. Frank, C. C. Raible, J. Esper, and S. Brönnimann (2013) Spectral biases in tree-ring climate proxies, *Nature Climate Change*, **3**, 360-364.
- *Brugnara, Y., S. Brönnimann, J. Luterbacher, and E. Rozanov (2013) Influence of the sunspot cycle on the Northern Hemisphere wintertime circulation from long upper-air data sets. *Atmos. Chem. Phys.*, **13**, 6275-6288.
- *Brönnimann, S. and A. Stickler (2013) Aerological observations in the Tropics in the Early Twentieth Century. *Meteorol. Z.*, **22**, 349-358.
- *Brönnimann, S., I. Mariani, M. Schwikowski, R. Auchmann, and A. Eichler (2013) Simulating the temperature and precipitation signal in an Alpine Ice core. *Clim. Past.*, **9**, 2013-2022.
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- *Brönnimann, S. and G. Hirsch Hadorn (2013) Learning from Investigating the "Year Without a Summer" of 1816: What Does It Take Science to Respond to Climatic Changes? *GAI*A, **22/3**, 169-173.
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2. Peer-reviewed books/monographs

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Monographs (not peer reviewed)

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3. Peer reviewed conference proceedings

None

4. Contributions to books

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5. Outreach activities

Videos

“Weather Reconstructions” (2017), 6:05 min, youtu.be/Ux46HVU7H_g (*Pfister, L, L. Meyer, **S. Brönnimann**)

“Historische Wetterdaten” (2018), 6:28 min, youtu.be/Vw3dSUwbZ-w (*Pfister, L, L. Meyer, **S. Brönnimann**)

- “Hochwasser 1868” (2018), 6:58 min, youtu.be/l2AtsZWpsuU (*Pfister, L, L. Meyer, S. Brönnimann)
- “Weather Reconstructions from Historical Diaries” (2020), 5:04 min, youtu.be/DB9awH9GxpY (*Brönnimann, S., S. Brönnimann)
- “Über dem Nebel” (2020), 76 min., <https://youtu.be/rcjEkEPX5xE> (*Brönnimann, S)

E-learning and web-based materials

- *Brönnimann, S., A. Giesche, S. Hunziker and M. Jacques-Coper (2015) *CLIMANDES Climate science e-learning course*. Geographica Bernensia U27. DOI: 10.4480/GB2015.U27.
- ERA-20C visualisation using Earth Null School (2017) earth.fdn-dev.iwi.unibe.ch (*Brönnimann, S., A. Martynov, and M. Stürmer)
- *Brönnimann, S., L. Pfister and L. Meyer (2019) *Weather Reconstruction*. University of Bern, Innovative Teaching. (www.weather-reconstruction.org)

Publications in other outlets

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- *Brönnimann, S. and D. Krämer (2016) *Tambora and the “Year Without a Summer” of 1816. A Perspective on Earth and Human Systems Science*. Geographica Bernensia G90, 48 pp. (also in German)
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