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Meteorological considerations of grapevine damage due to temperature variations: the 2019 late spring frost and summer heat wave events in Burgundy.

Olivier Planchon, Olivier Cantat, Benjamin Bois, François Beauvais, Catinca Gavrilescu, Matthieu David

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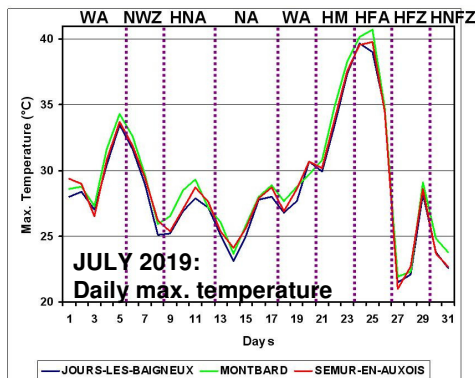
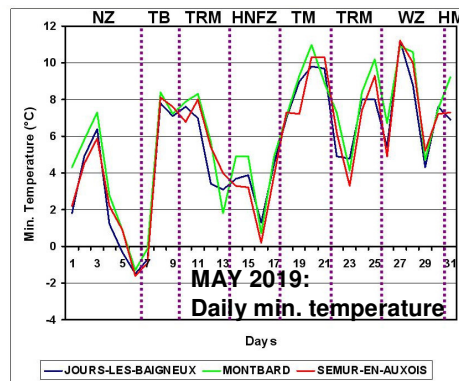
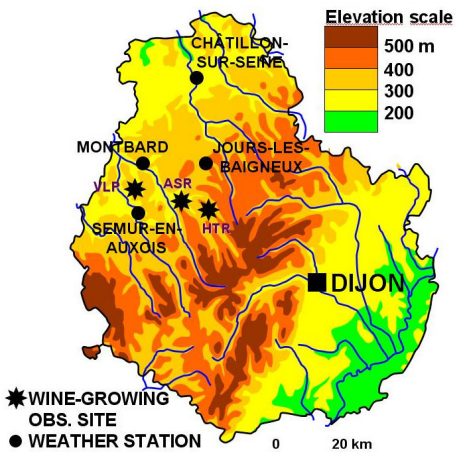
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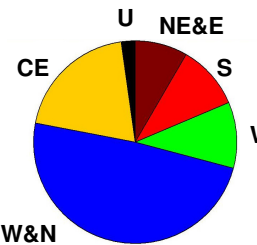
Olivier Planchon¹, Olivier Cantat², Benjamin Bois^{1,3}, François Beauvais², Catinca Gavrilescu¹, and Matthieu David²
¹CNRS, Biogéosciences, Université de Bourgogne, Dijon, France; ²LETG-Caen Géophen, Université de Caen Normandie, Caen, France; ³Institut Universitaire de la Vigne et du Vin, Université de Bourgogne, Dijon, France.



Department of Côte-d'Or



CHÂTILLON-SUR-SEINE (1951-2020): Proportion of May frost days for each Hess-Brezowsky major type



Hess-Brezowsky classification / Major types: Northeast & East (NE&E), South (S), West (W), Northwest & North (NW&N), Main high/low pressure area over Central Europe (CE), Unclassified (U).

CHÂTILLON-SUR-SEINE (1951-2020): Number of days with max. temp. ≥ 40°C and « HB » associated types

- 1983: 1 (07/28-31: BM)
- 2003: 4 (07/22-08/04: BM) (08/05-13: HNA)
- 2012: 1 (08/16-18: HM) (08/19-26: WZ)
- 2019: 2 (07/21-23: HM) (07/24-26: HFA)
- 2020: 1 (07/29-31: HM)

Hess-Brezowsky classification:
Northeast & East (NEA, NEZ, HFA, HFZ, HNFA, HNFZ), **South** (SWA, SWZ, SA, SZ, TB, TRW, SEA, SEZ), **West** (WA, WZ, WW, WS), **Northwest & North** (NWA, NWZ, NA, NZ, HNA, HNZ, HB, TRM), **Main high/low pressure area over Central Europe** (HM, BM, TM), **Unclassified** (U).

