

In-situ snow depth data access at CNRM and Meteo-France

E. Brun

Météo-France CNRM-GAME, Toulouse, France

Core-Climax Coordination meeting
Towards a global archive of historical in situ snow data
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Russia and FSU

Data from RIHMI-WDC (Olga Bulygina)

- file SCH9262.txt
- 600 stations with more than 20 years year-round data
- first records starting in 1874
⇒ see Olga's presentation

Russia and FSU

Snow Depth, SWE and Density from RIHMI-WDC (Olga Bulygina)

- file SCHAF61.txt
- 376 stations "open field" with snow course data
3-6 times/month during the snow season
- 237 stations "forest"
- 97 stations perform both "open field" and "forest"
observations
- first records starting in 1966
⇒ see Olga's presentation

Canada

Data from Ross Brown and NCDC/GHNCDC

- Data from Ross Brown
- 719 QC stations with more than 20 years and 300 obs/year on average
- no use of reconstructed snow depth except Summer (QC > 100)
- use of reconstructed zero snow depth for non-snow-season (QC = 100)
- first records start in 1881
- last records end in 2003
- extension beyond 2003 from NCDC/GHNCDC (see USA) but first half 2004 is missing
⇒ see Ross's and Matthew's presentation

Data from NCDC/GHNCDC

- file ghcnd_all.tar.gz from
ftp ://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/
- 355 stations with :
 - more than 40 years , 350 obs/year
 - latitude ≥ 30 N , ends after 2010
- first records starting in 1889
⇒ see Ross's and Matthew's presentation

Other countries

Data from NCDC/GHNCDC

- file ghcnd_all.tar.gz from
ftp://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/
- 448 stations with :
 - more than 40 years , 350 obs/year
 - ends after 2010
- first records starting in 1887
- Germany, Netherlands, Norway + 1 Sweden
⇒ see Ross's and Matthew's presentation

French mountain snow/avalanches monitoring network

Public data from Météo-France Centre d'Etudes de la Neige

- https://donneespubliques.meteofrance.fr/?fond=produit&id_produit=94&id_rubrique=32
- 156 stations, very few stations operation in Summer
- Alps and Pyrenees, first records starting in 1971

