

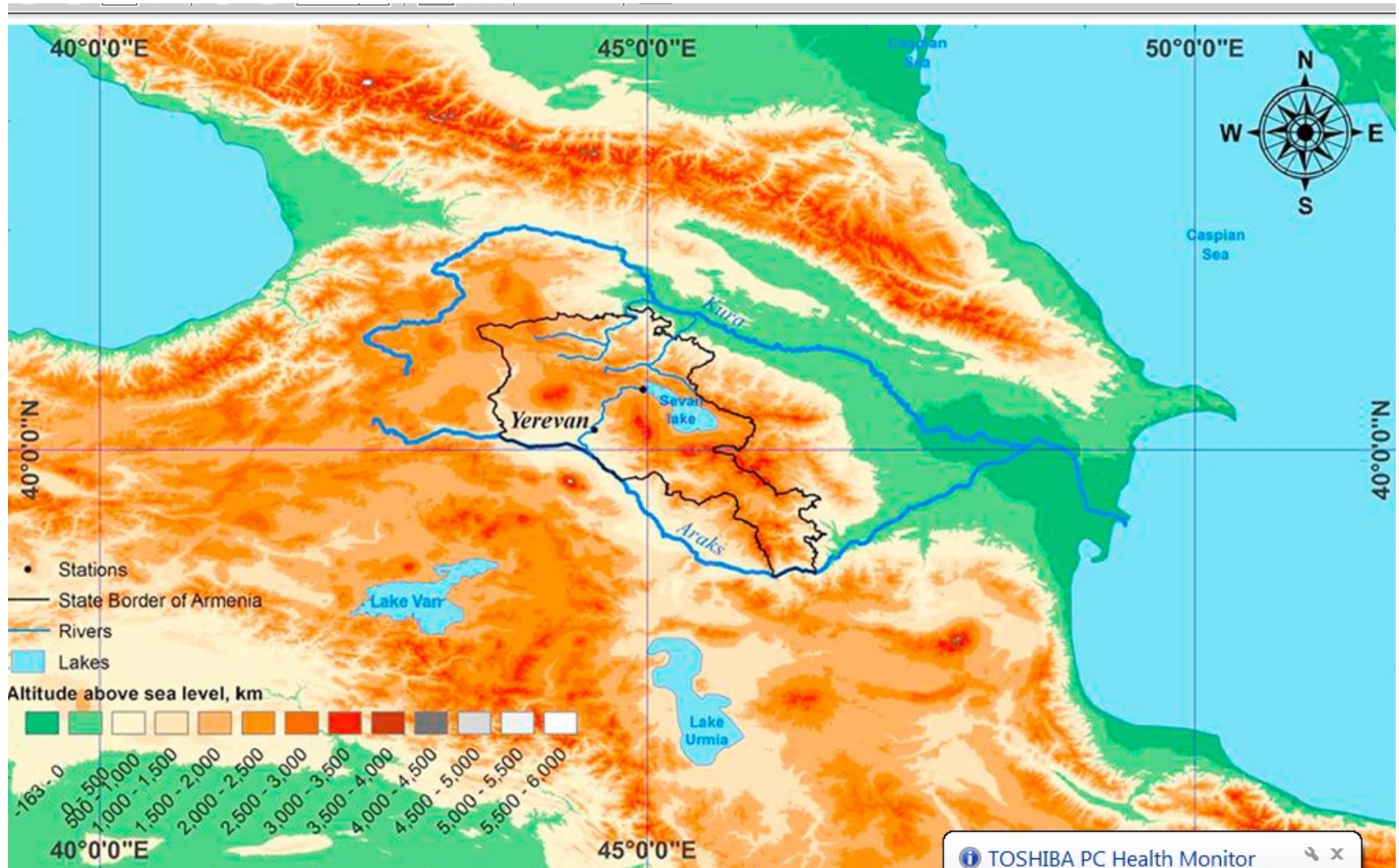
Improving the climate monitoring of South Caucasus region through using ERA5 reanalysis

Artur Gevorgyan, Hasmik Panyan, Yelena Khalatyan

Armenian State Hydrometeorological and Monitoring Service

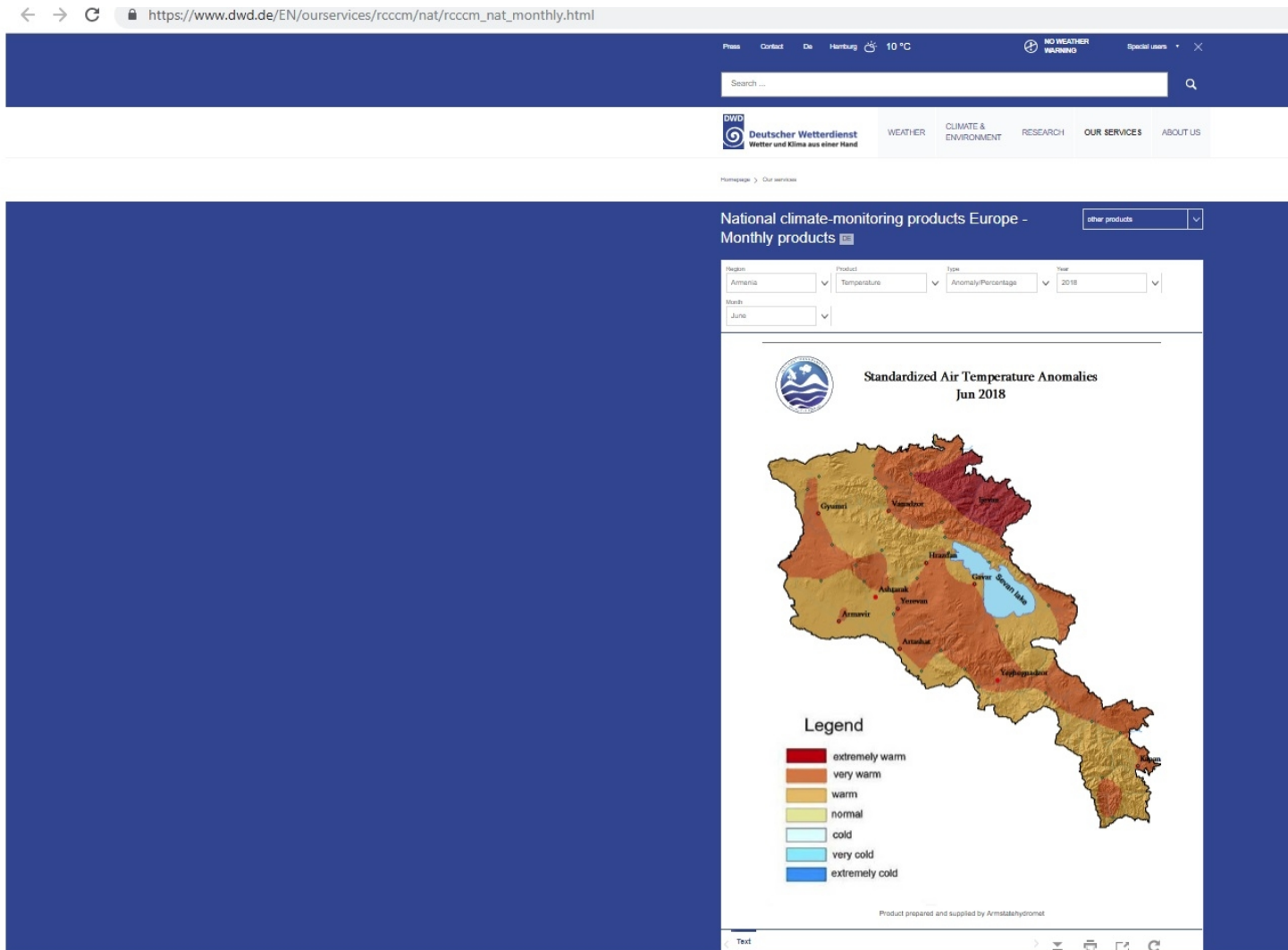
5 June, CITES2019, Moscow

Topography map of The Armenian Highland and Caucasus region

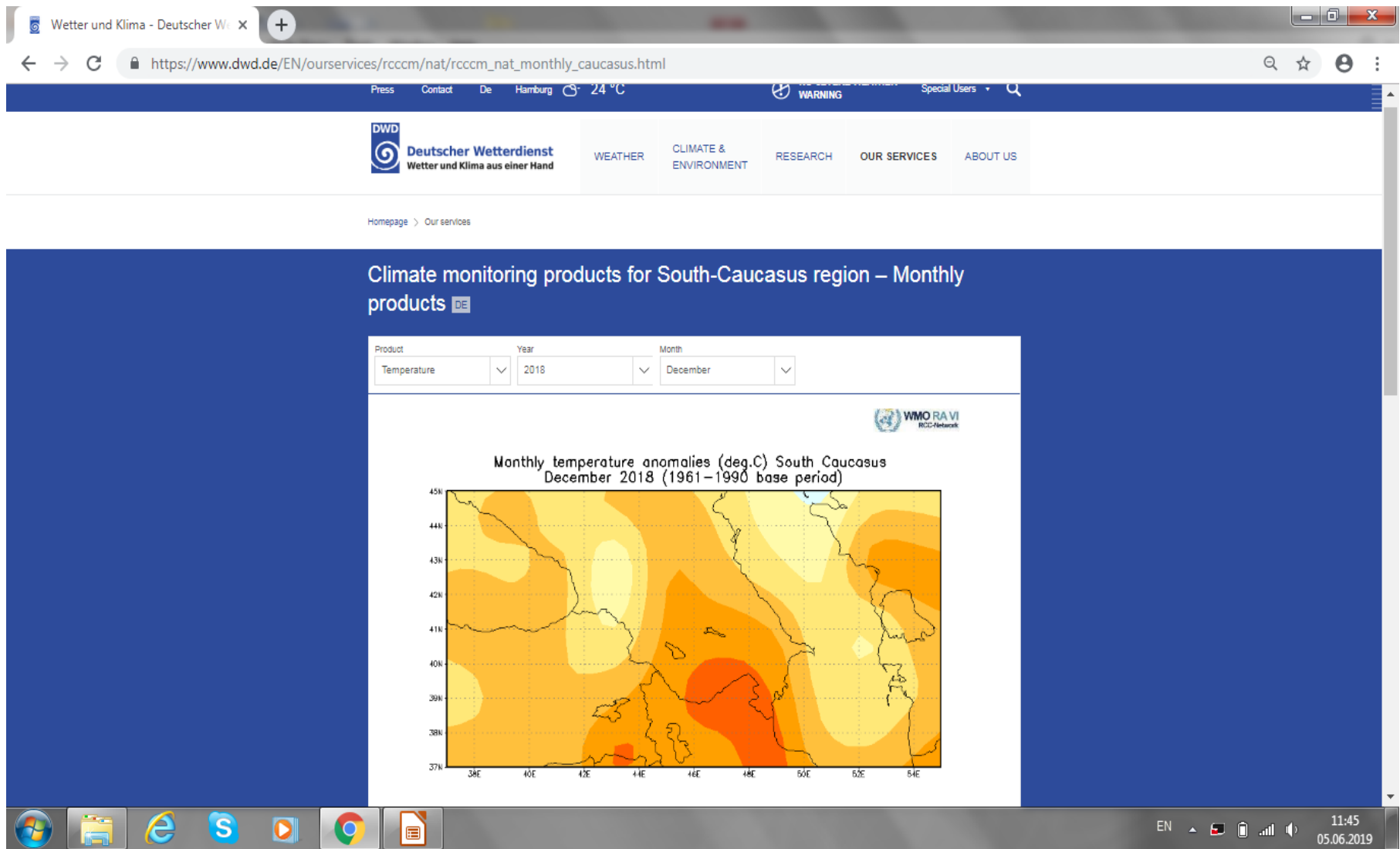


http://www.dwd.de/EN/ourservices/rcccm/nat/rcccm_nat_monthly.html

http://www.dwd.de/EN/ourservices/rcccm/nat/rcccm_nat_monthly_caucasus.html



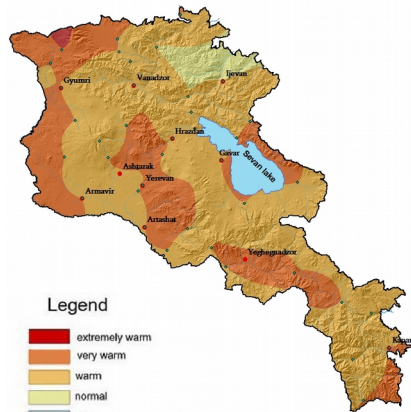
https://iridl.ldeo.columbia.edu/SOURCES/.NOAA/.NCEP-NCAR/.CDAS-1/.MONTHLY/.Diagnostic/.above_ground/.maximum/.temp/datafiles.html?fbclid=IwAR03rQ4SLfwE3fJ1cEQI4WDWqOdEiElP-rQaZet_XiLnbsbQKT0Uqbl34g



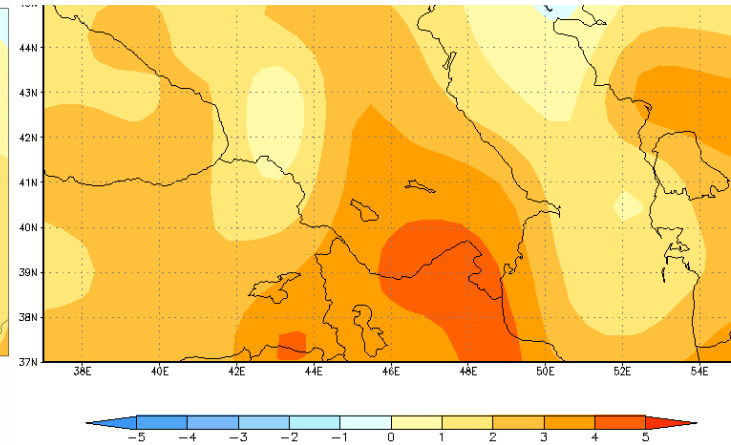
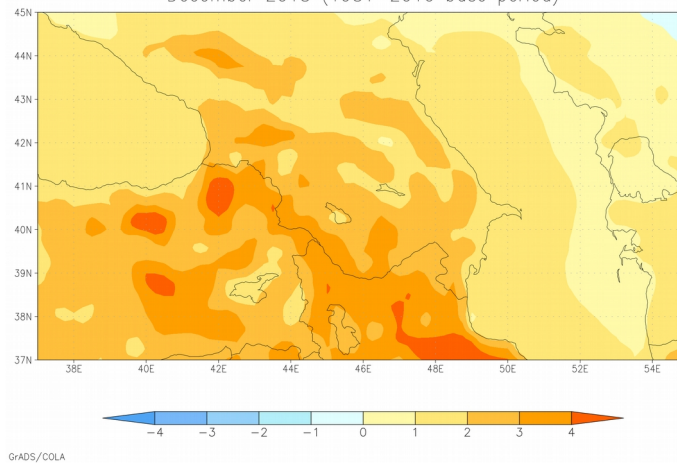
Operative climate monitoring products for Armenia and South Caucasus region: Temperature anomalies for DJF, 2019

December, ERA5 0.25x0.25

NCEP/NCAR 1.875x1.9

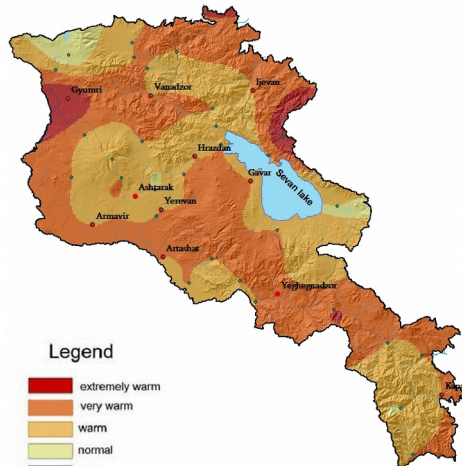


Legend

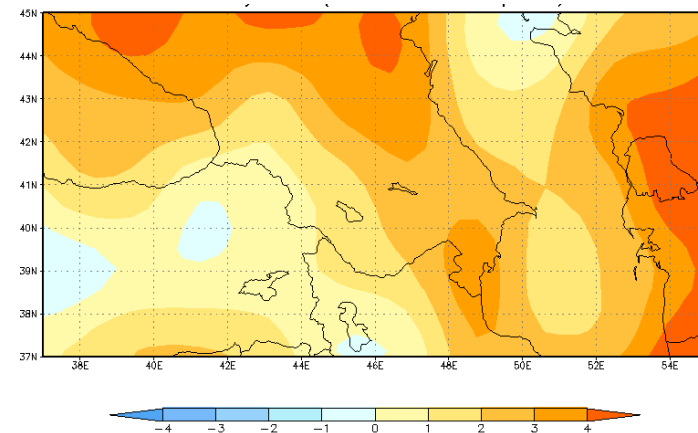
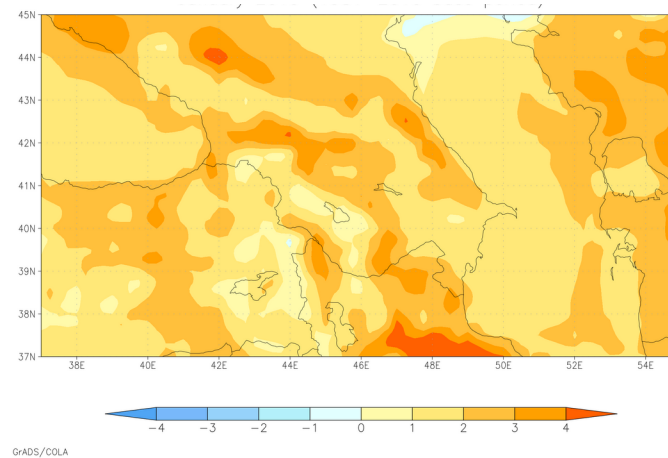


January, ERA5 0.25x0.25

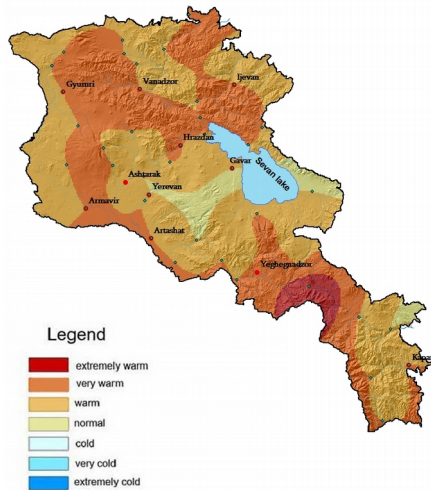
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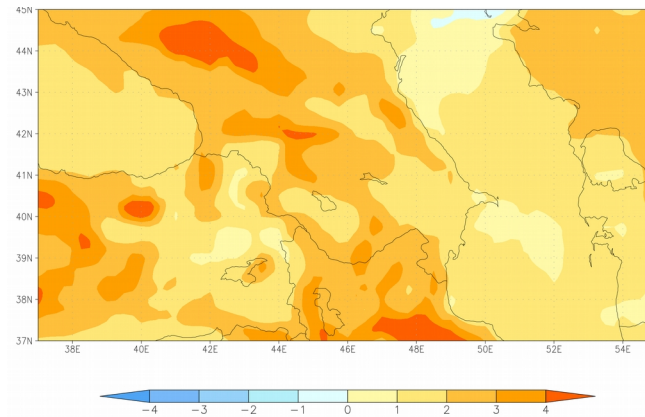
Legend



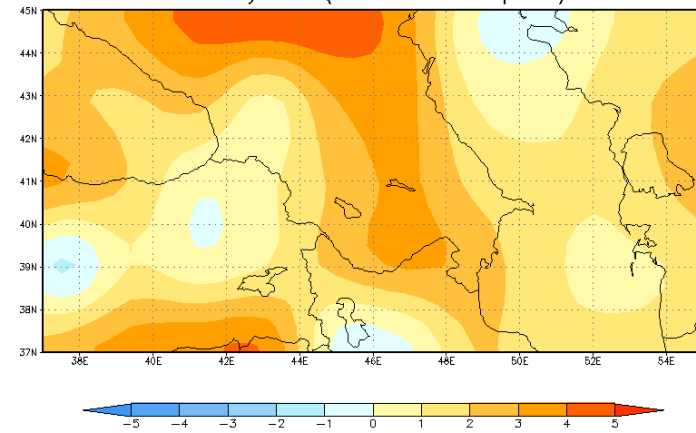
Operative climate monitoring products for Armenia and South Caucasus region: Temperature anomalies for DJF, 2019



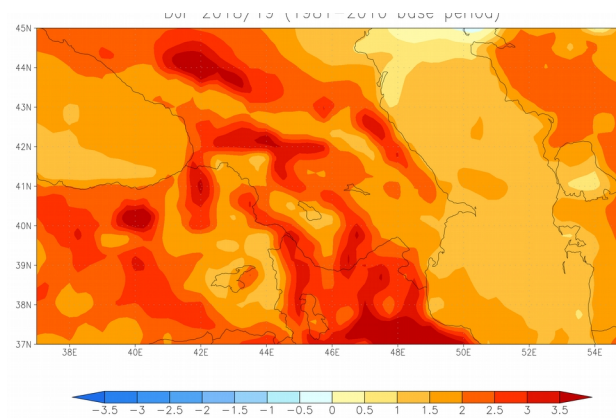
February, ERA5 0.25x0.25



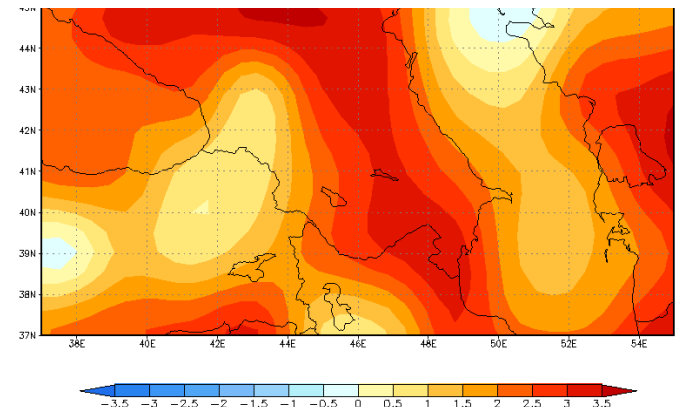
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Winter, ERA5 0.25x0.25



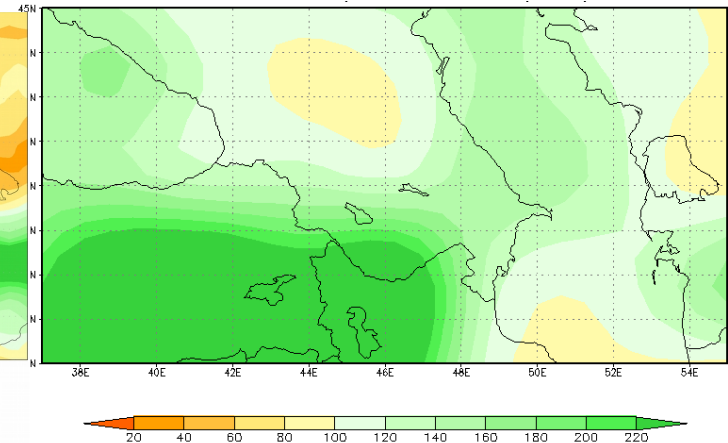
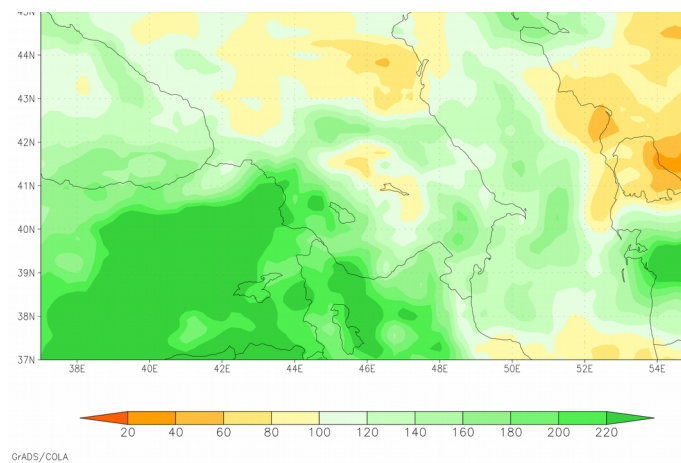
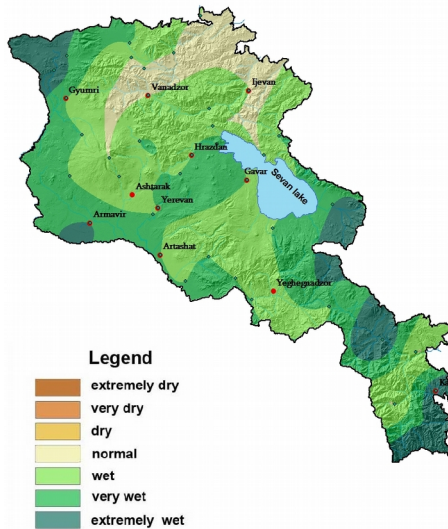
NCEP/NCAR 1.875x1.9



Operative climate monitoring products for Armenia and South Caucasus region: Precipitation anomalies (%) for DJF, 2019

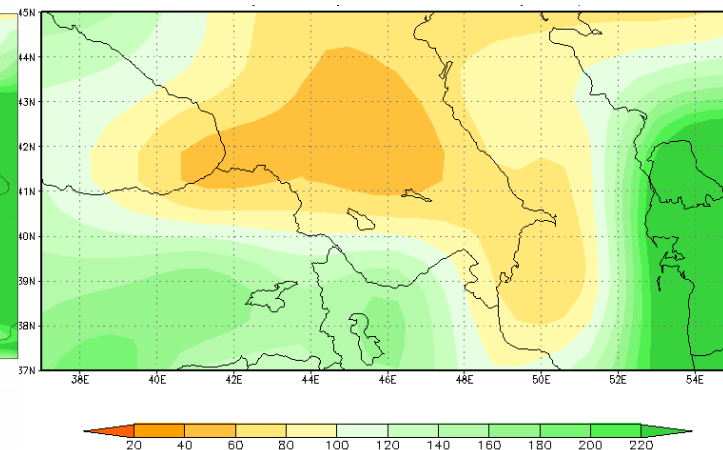
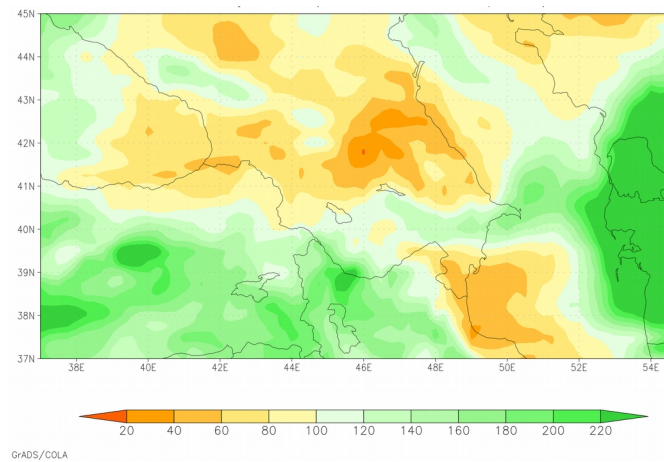
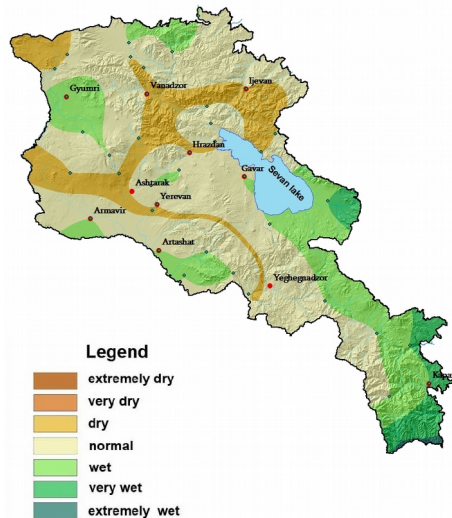
December, ERA5 0.25x0.25

NCEP/NCAR 1.875x1.9



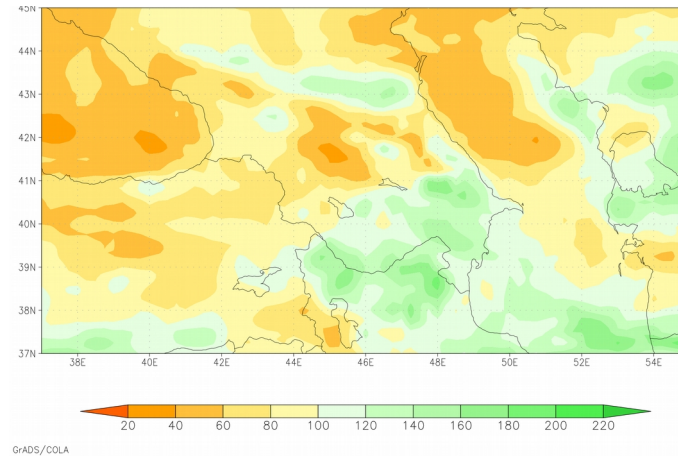
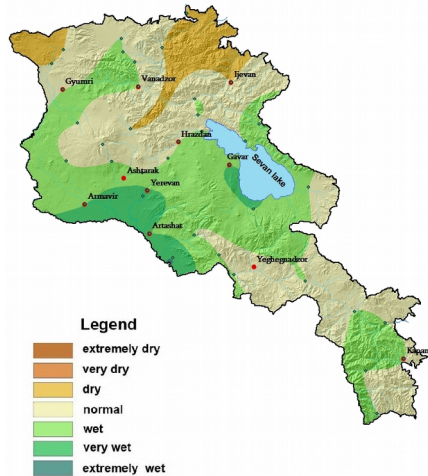
January, ERA5 0.25x0.25

NCEP/NCAR 1.875x1.9

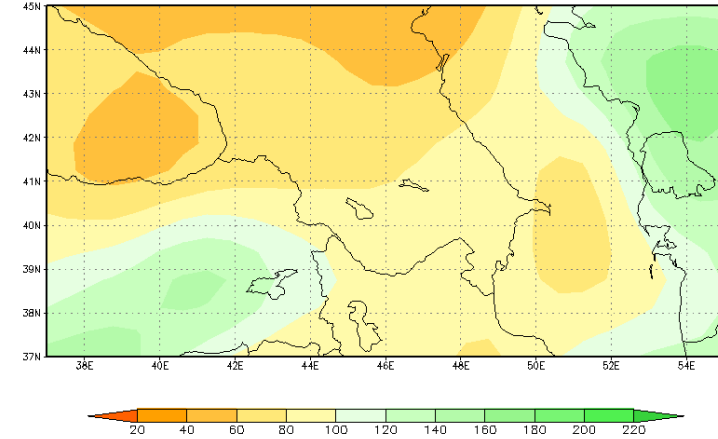


Operative climate monitoring products for Armenia and South Caucasus region: Precipitation anomalies (%) for DJF, 2019

February, ERA5 0.25x0.25



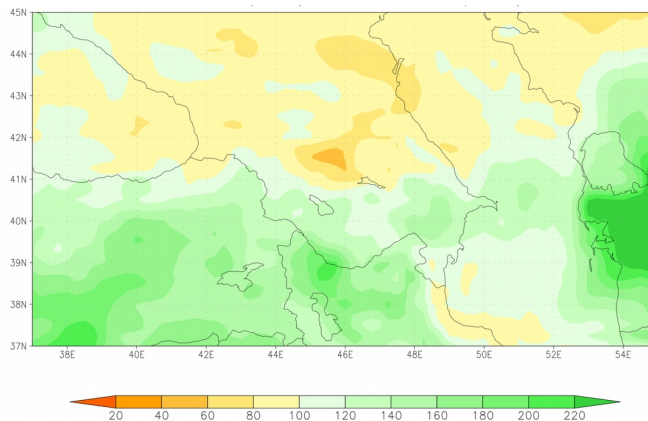
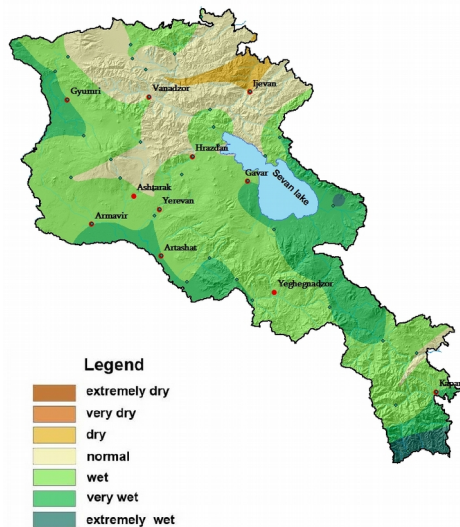
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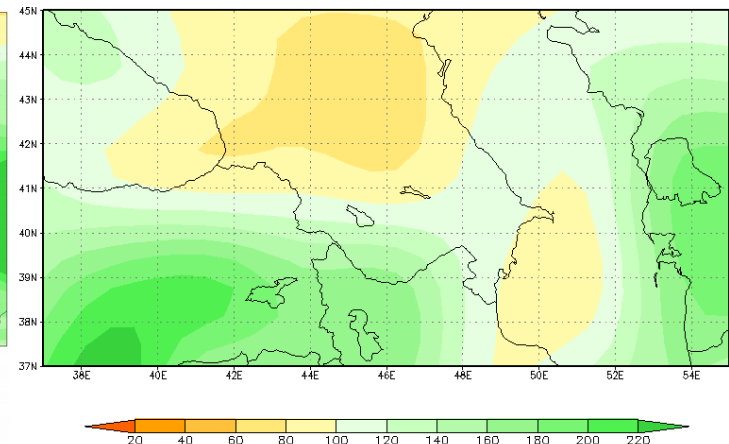
Winter, ERA5 0.25x0.25



Standardized Precipitation Anomalies
Winter 2018/2019



NCEP/NCAR 1.875x1.9



Thanks for attention!