

CAMBIAMENTI CLIMATICI e BIODIVERSITÀ VEGETALE

Scenari climatici in Piemonte

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ARPA Piemonte
Dipartimento Rischi Naturali
Meteorologia e Clima

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E
BIODIVERSITÀ
VEGETALE

TAVOLO DI CONFRONTO

Situazione del clima in Piemonte



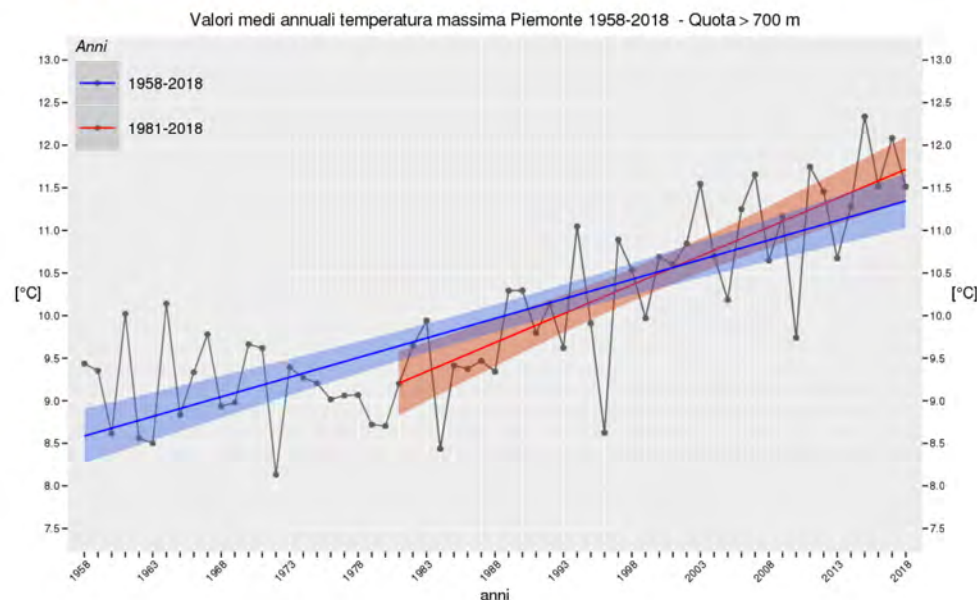
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Massime 1958 - 2018

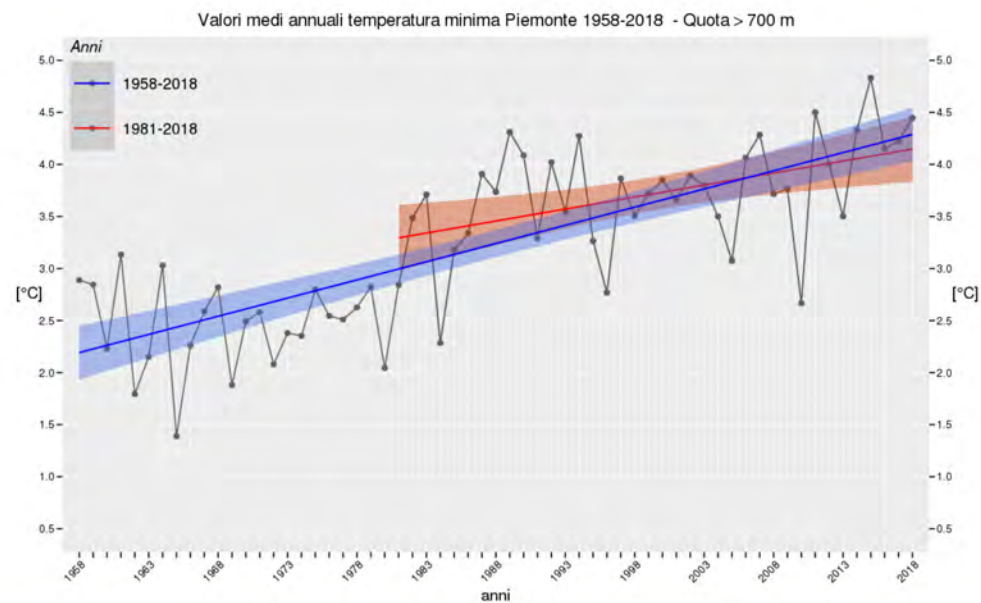


1958 - 2018 0.46 °C/10 anni

1981 - 2018 0.68 °C/10anni

**Circa 2,5°C in 60
anni**

Minime 1958 - 2018

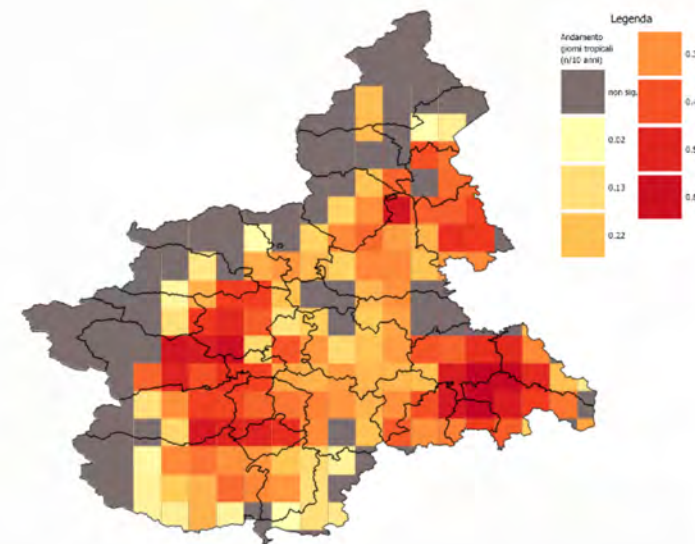
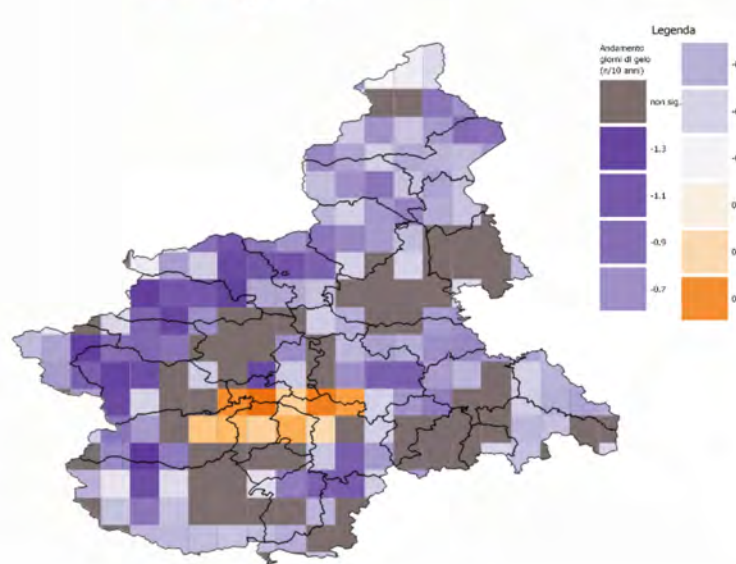
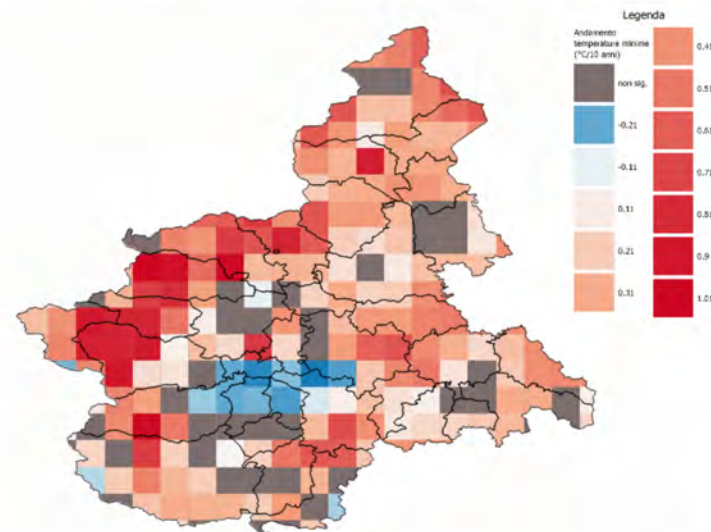
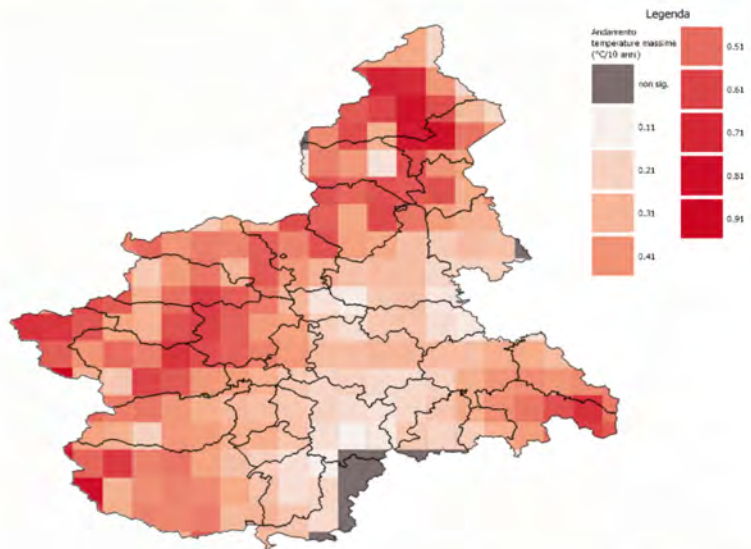


1958 - 2018 0.35 °C/10 anni

1981 - 2018 0.23 °C/10 anni

**Circa 2°C in 60
anni**

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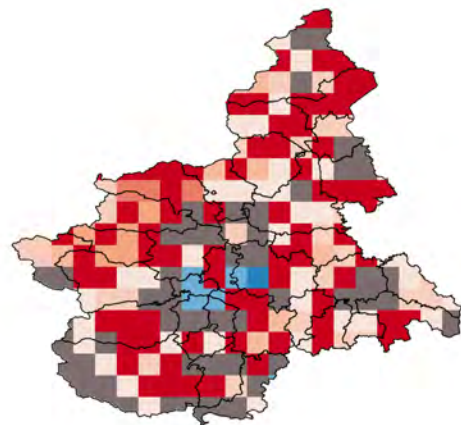


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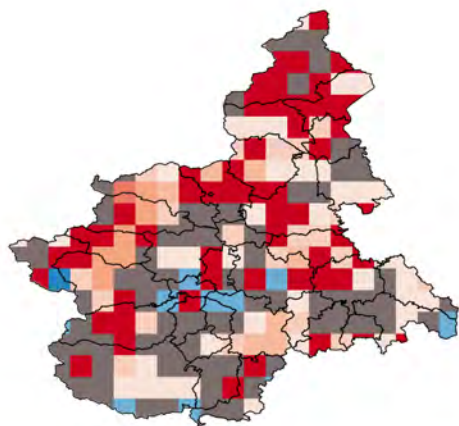
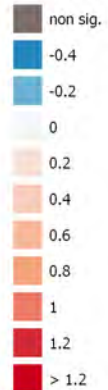
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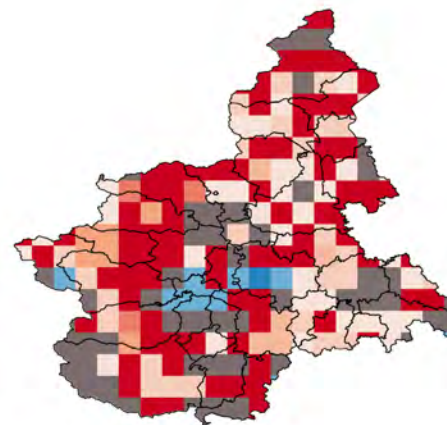
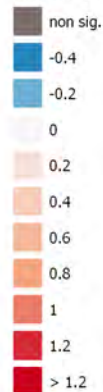
Legenda

Andamento
temperature minime
PRIMAVERA(°C/10 anni)



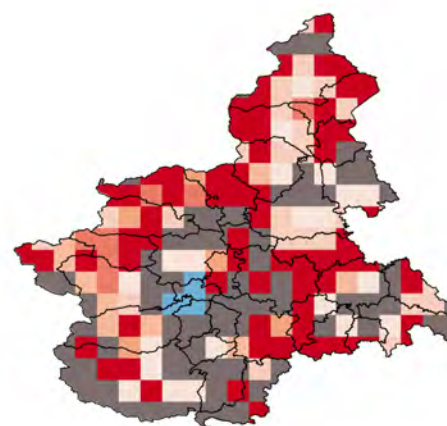
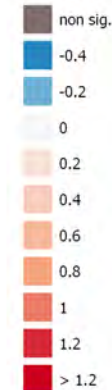
Legenda

Andamento
temperature minime
AUTUNNO(°C/10 anni)



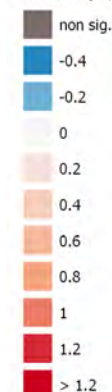
Legenda

Andamento
temperature minime
ESTATE(°C/10 anni)



Legenda

Andamento
temperature minime
INVERNO(°C/10 anni)



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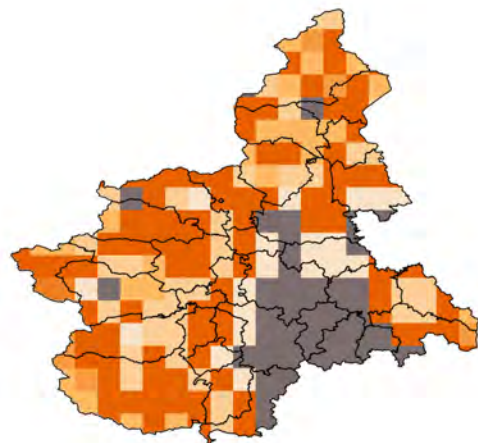


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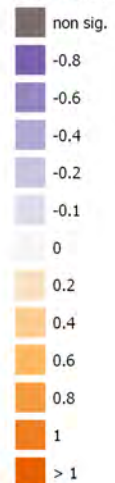


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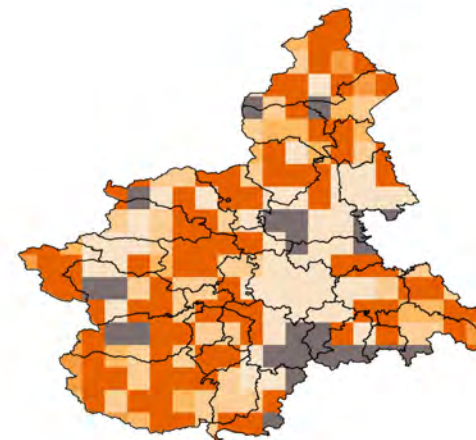
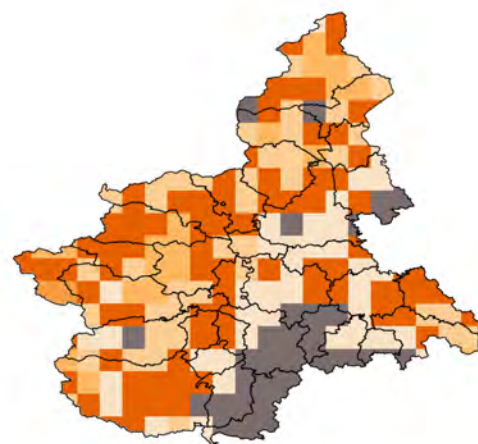
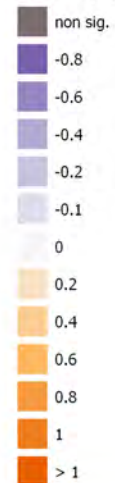
TAVOLO DI CONFRONTO



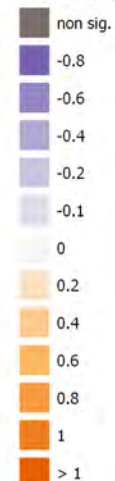
Legenda
Andamento
temperature massime
PRIMAVERA(°C/10 anni)



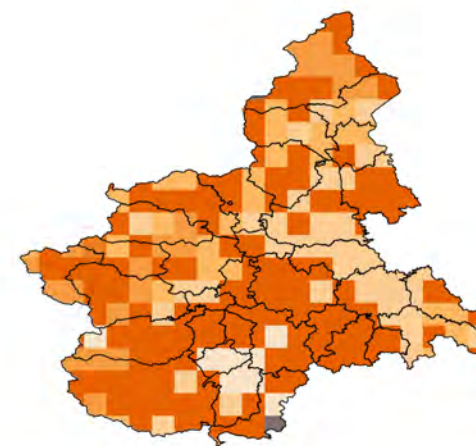
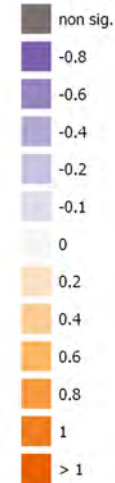
Andamento
temperature massime
AUTUNNO(°C/10 anni)



Legenda
Andamento
temperature massime
ESTATE(°C/10 anni)



Andamento
temperature massime
INVERNO(°C/10 anni)



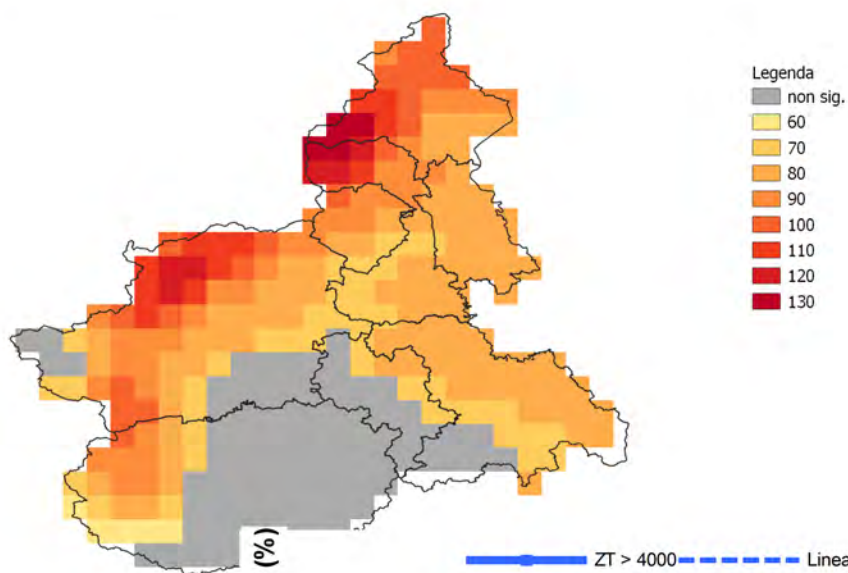
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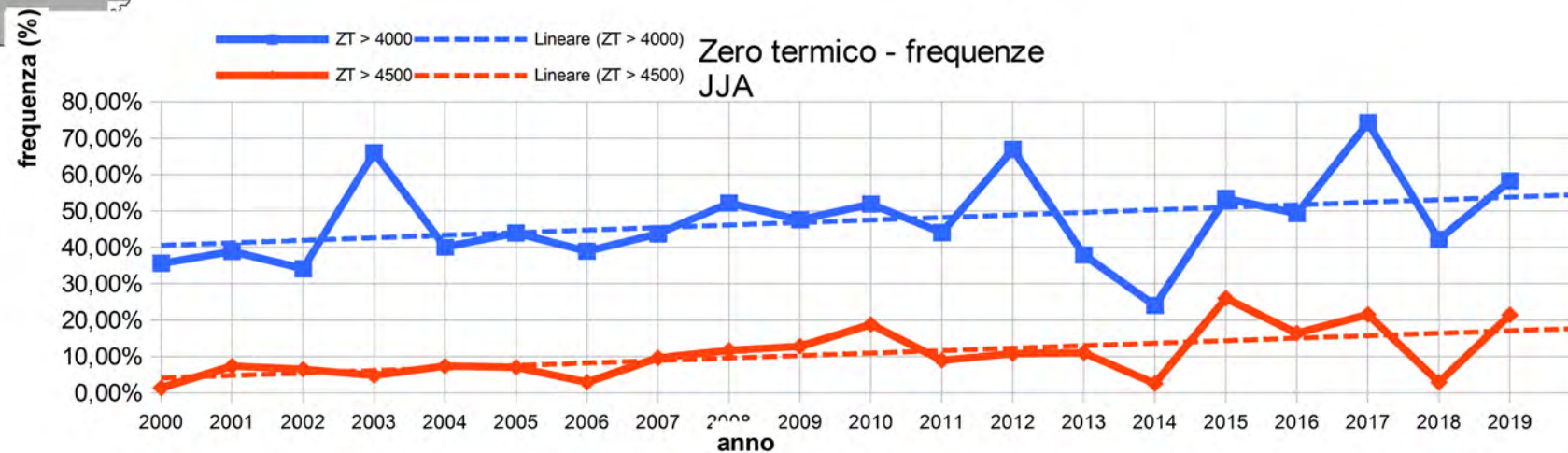
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Andamento dello zero termico annuale (m/10 anni)

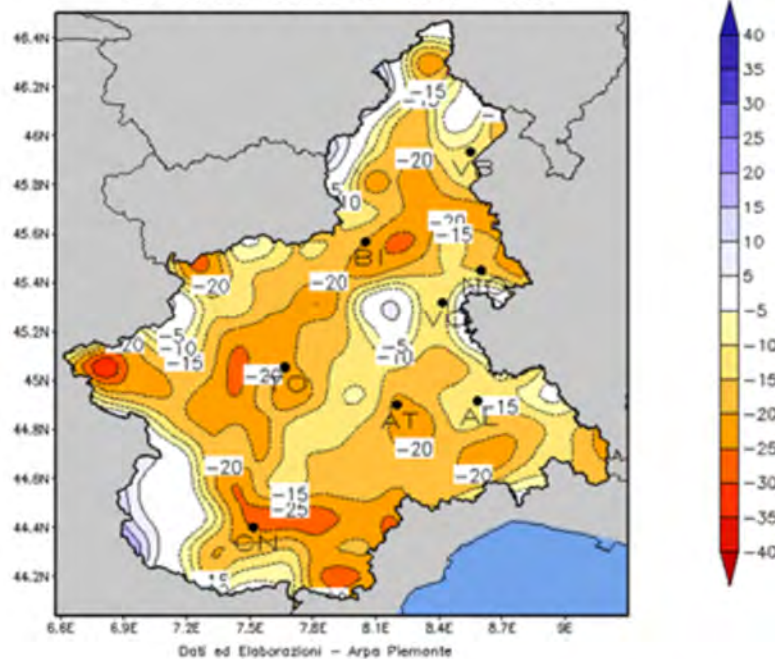


CN Levaldigi sondaggio

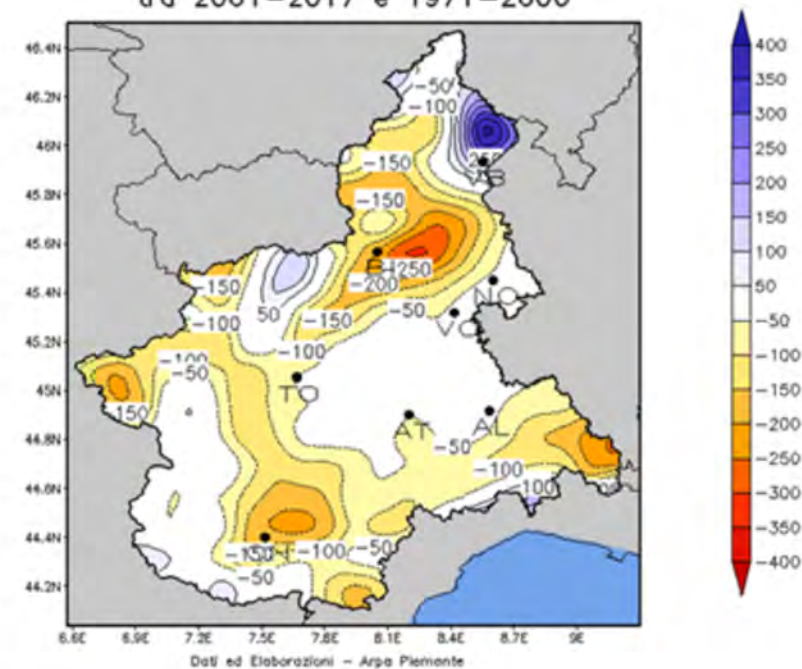


Precipitazione Ultimi 15 anni vs 1971-2000

Differenza del numero medio di giorni piovosi
tra 2001-2017 e 1971-2000



Anomalie di precipitazione(mm): differenza della cumulata media
tra 2001-2017 e 1971-2000

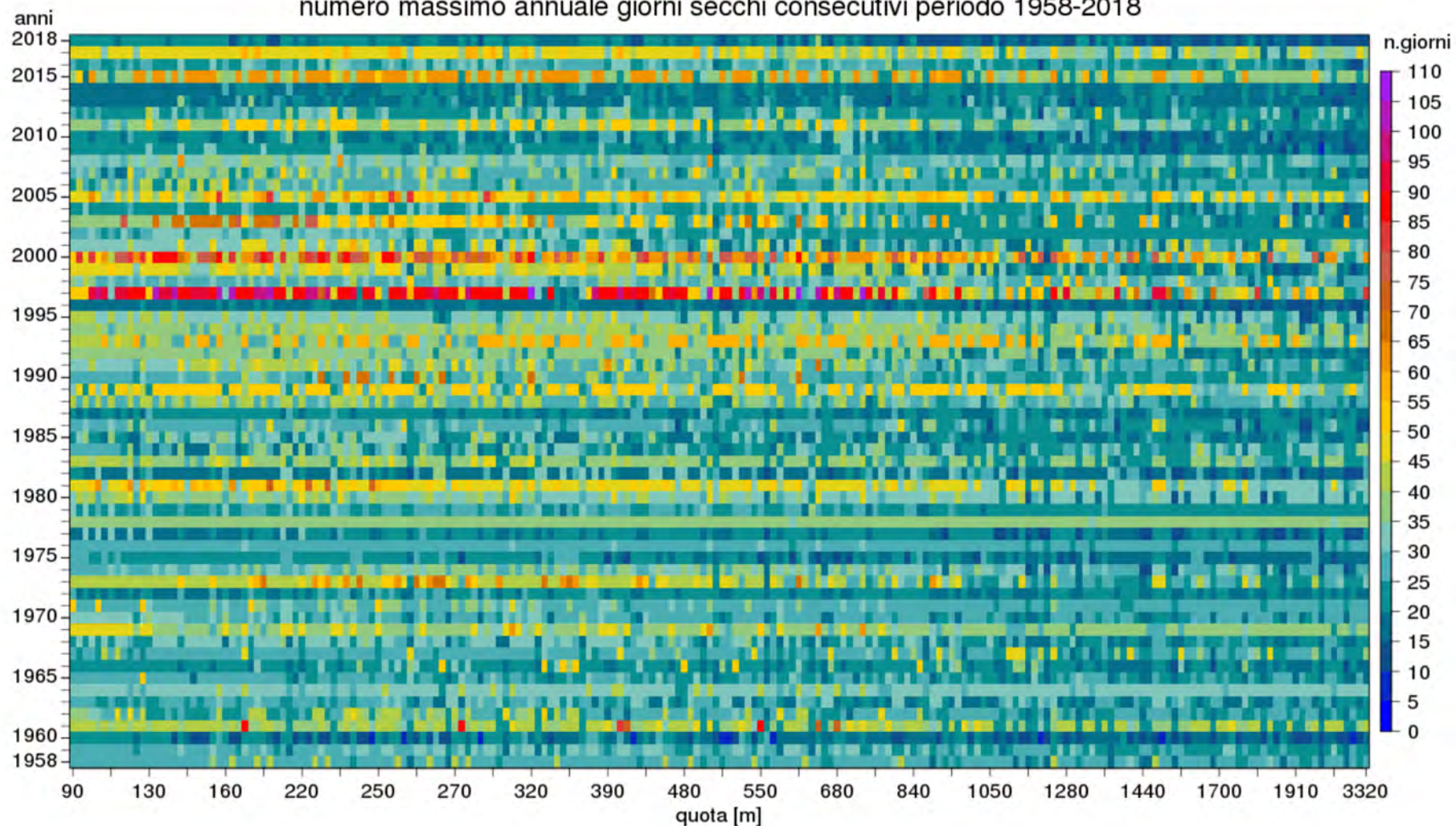


Ultimi 17
anni



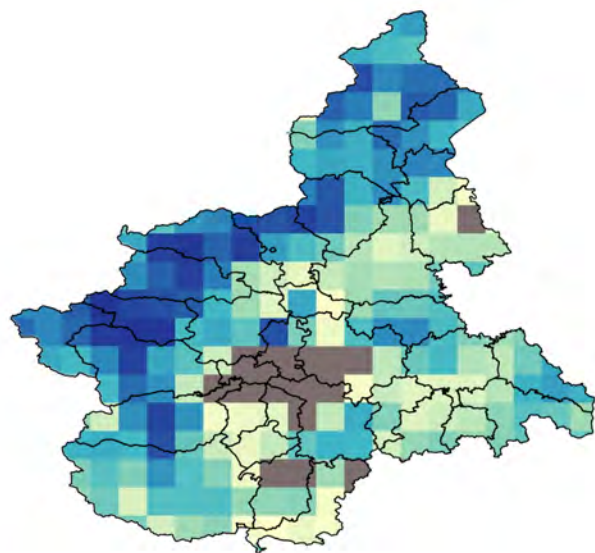
- Lieve anomalia negativa nel ciclo annuale
- Diminuzione del numero di giorni piovosi
- Nessun trend nelle precipitazioni cumulate giornaliere
- Grande variabilità interannuale e intrastagionale

Precipitazione giornaliera Piemonte - dataset Optimal Interpolation: numero massimo annuo giorni secchi consecutivi periodo 1958-2018



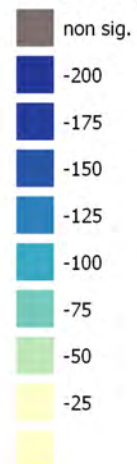
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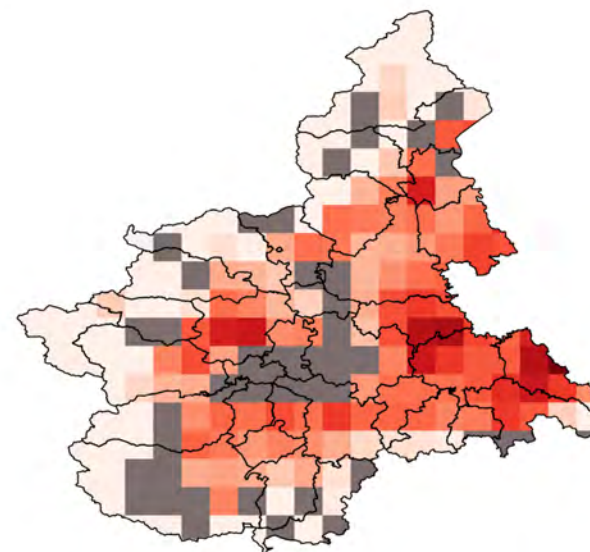
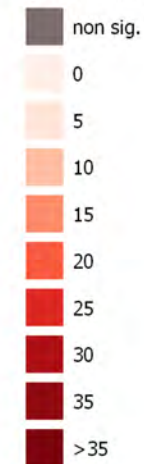
Legenda

Andamento
HDD
(Heating Degree Days)
(HDD/10 anni)



Legenda

Andamento
CDD
(Cooling Degree Days)
(CDD/10 anni)



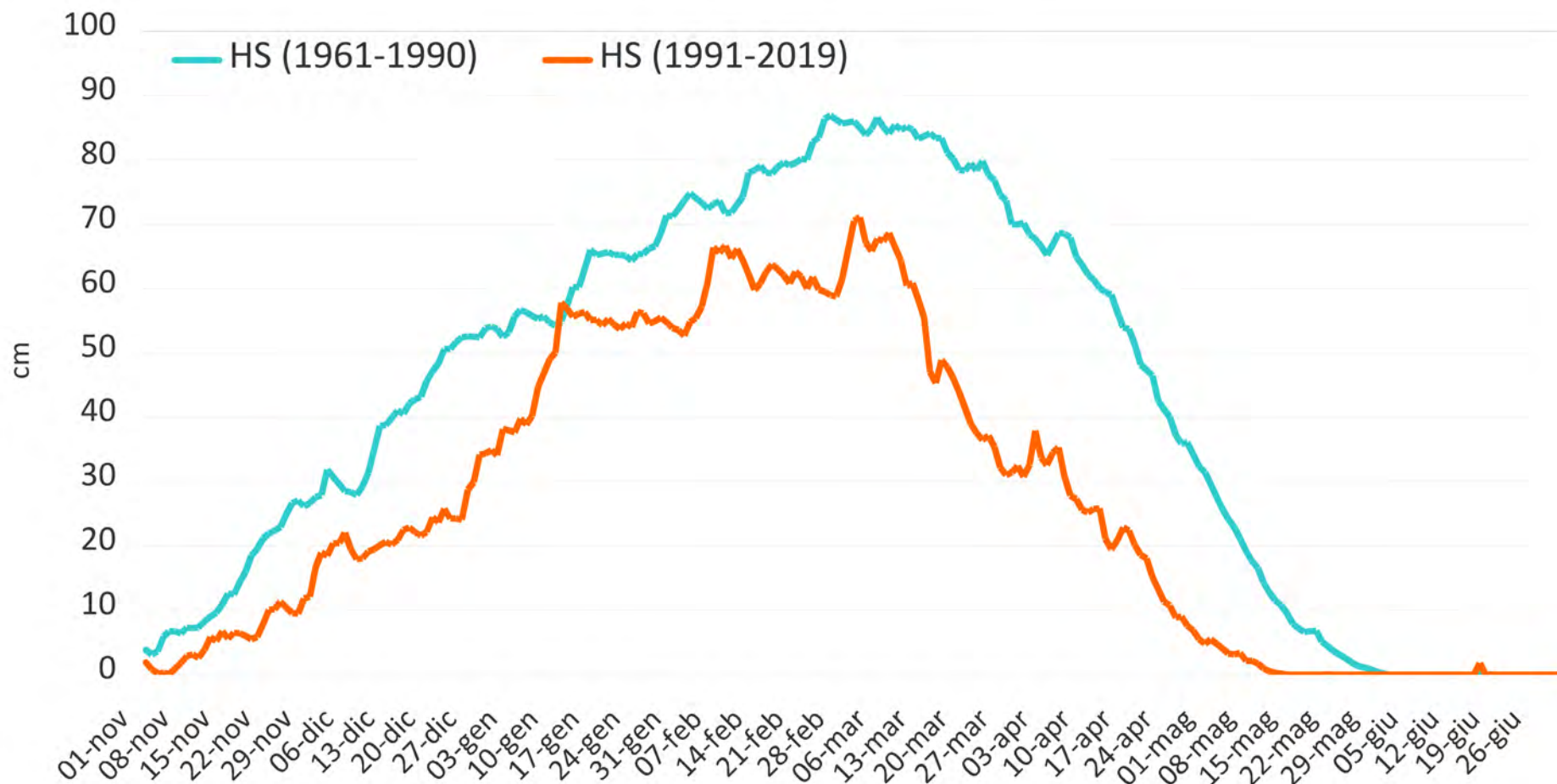
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Antrona Alpe Cavalli (1500 m)



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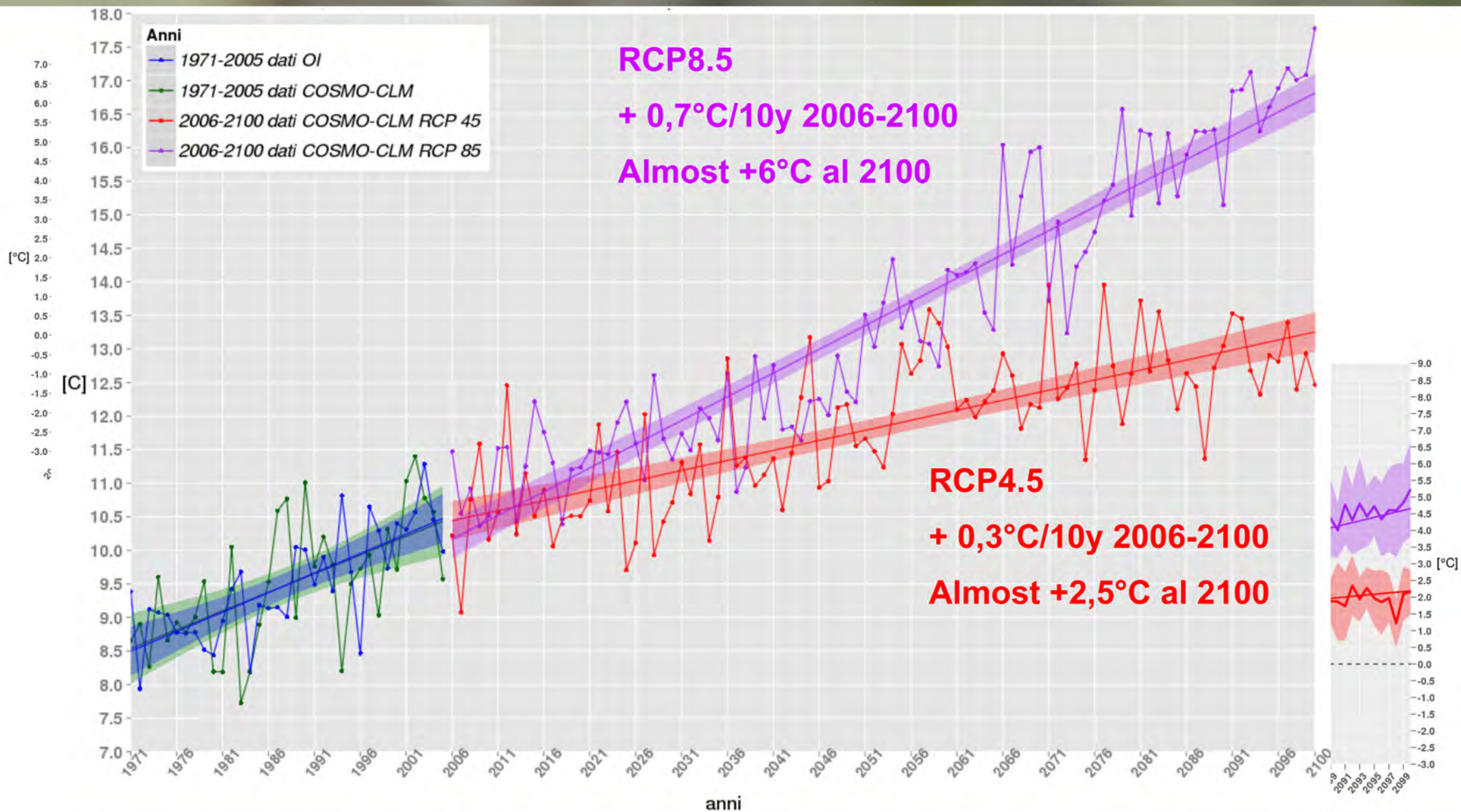
TAVOLO DI CONFRONTO

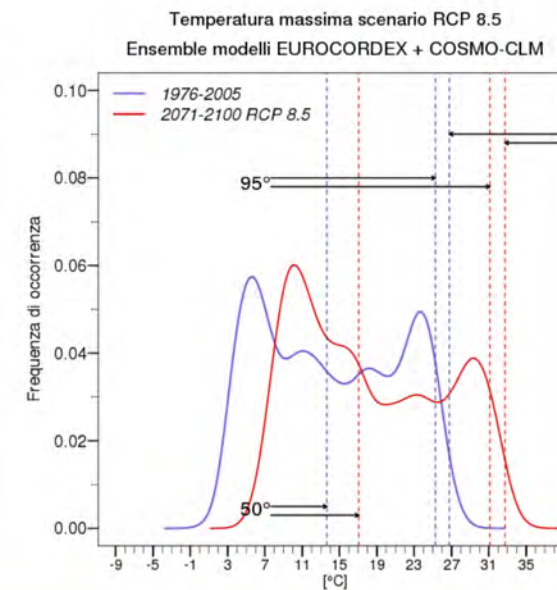
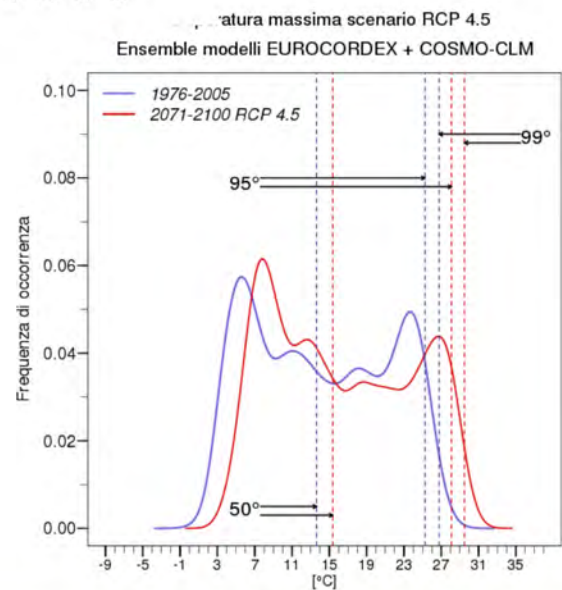
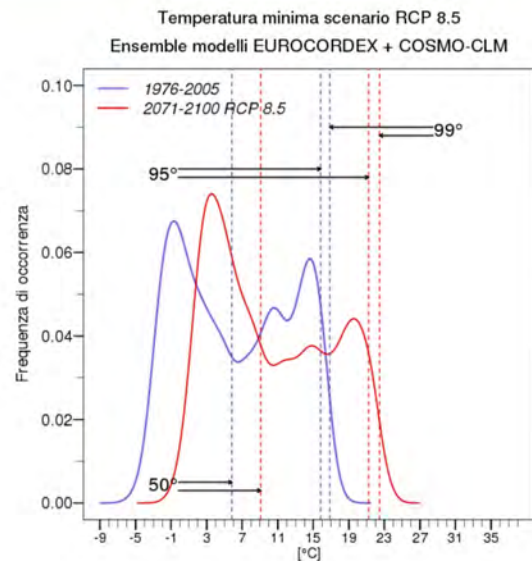
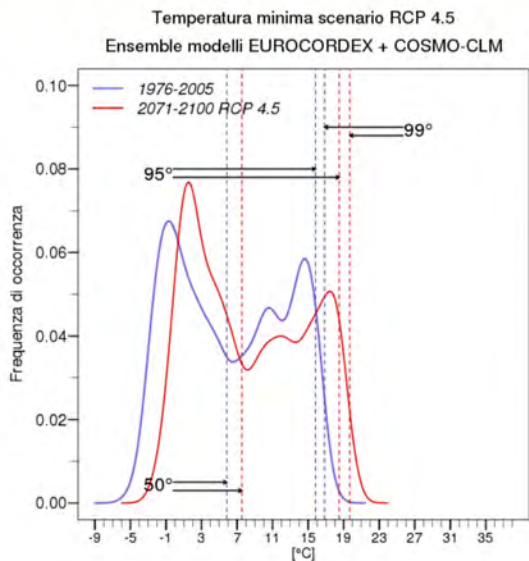
Il clima futuro in Piemonte



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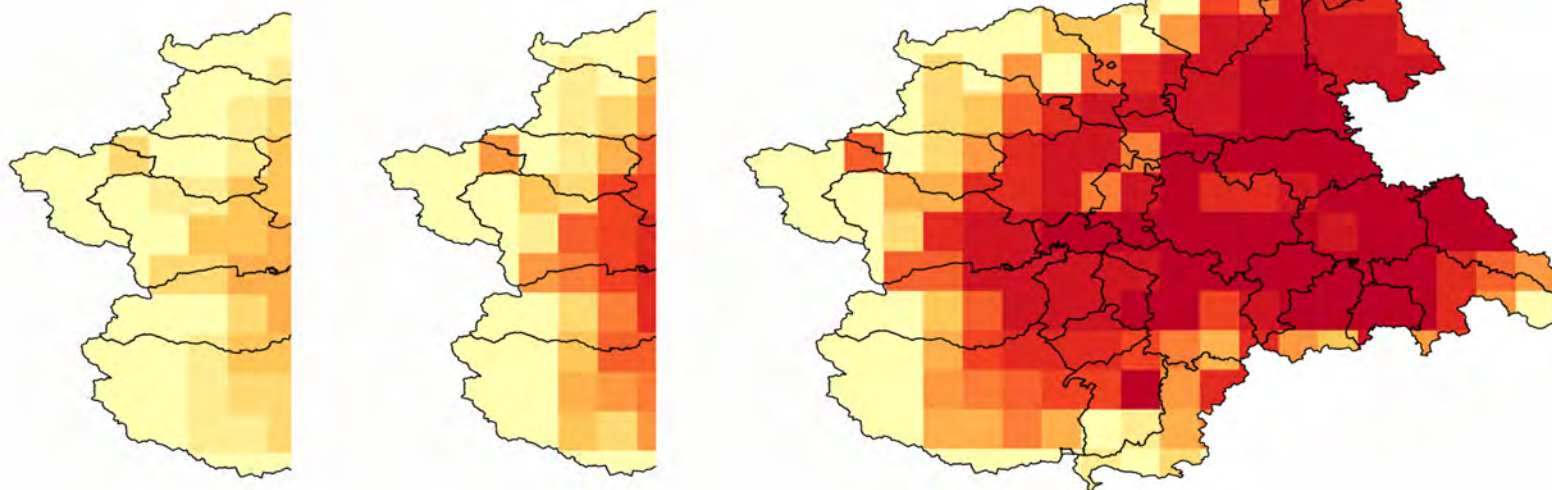




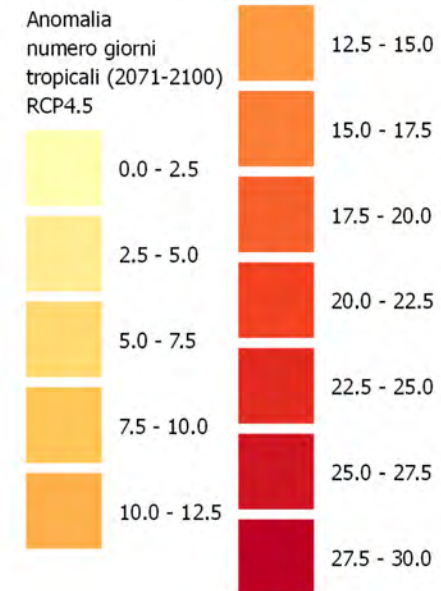


Scenario RCP4.5 – Giorni tropicali

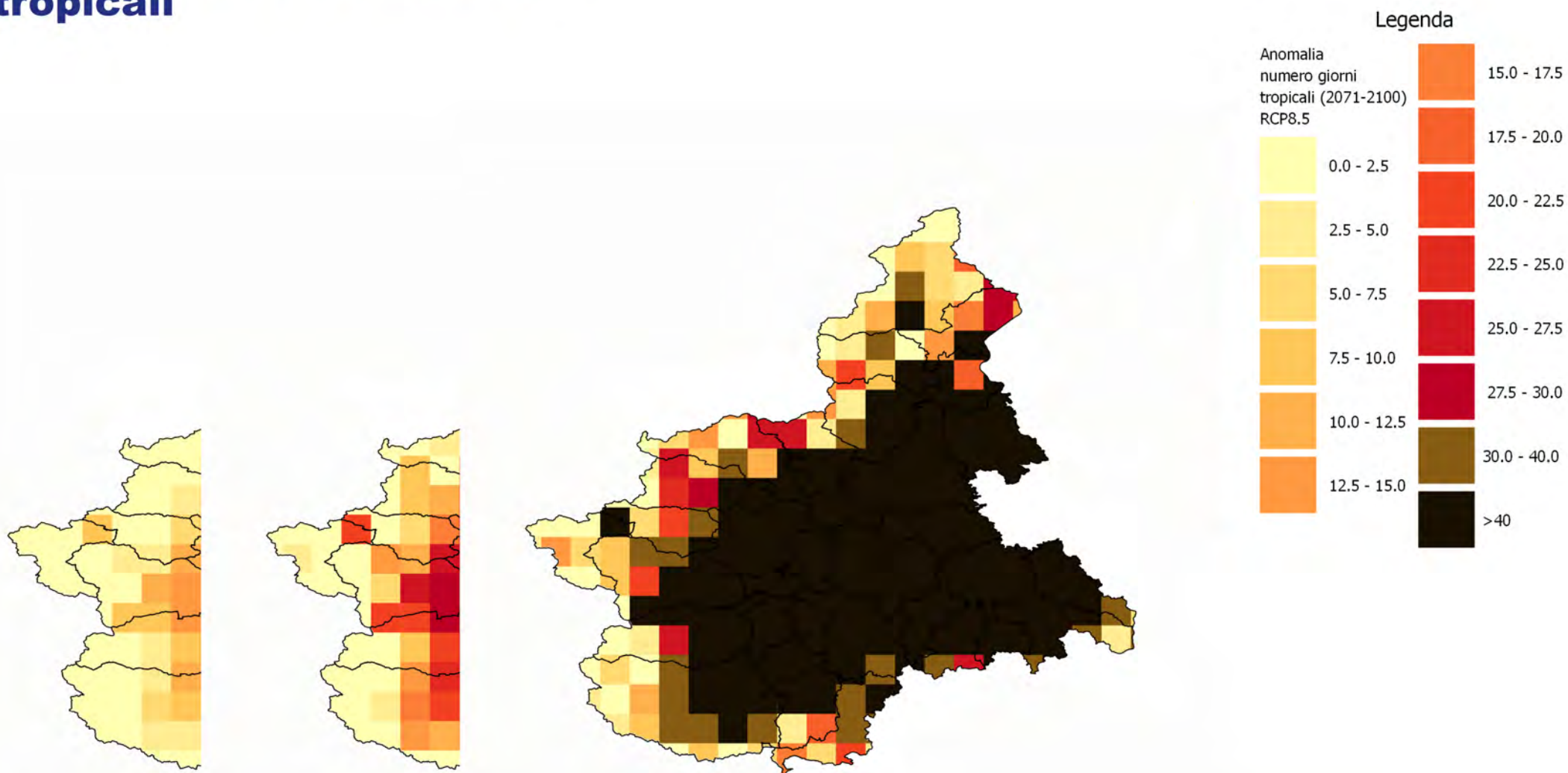
Legenda



Legenda



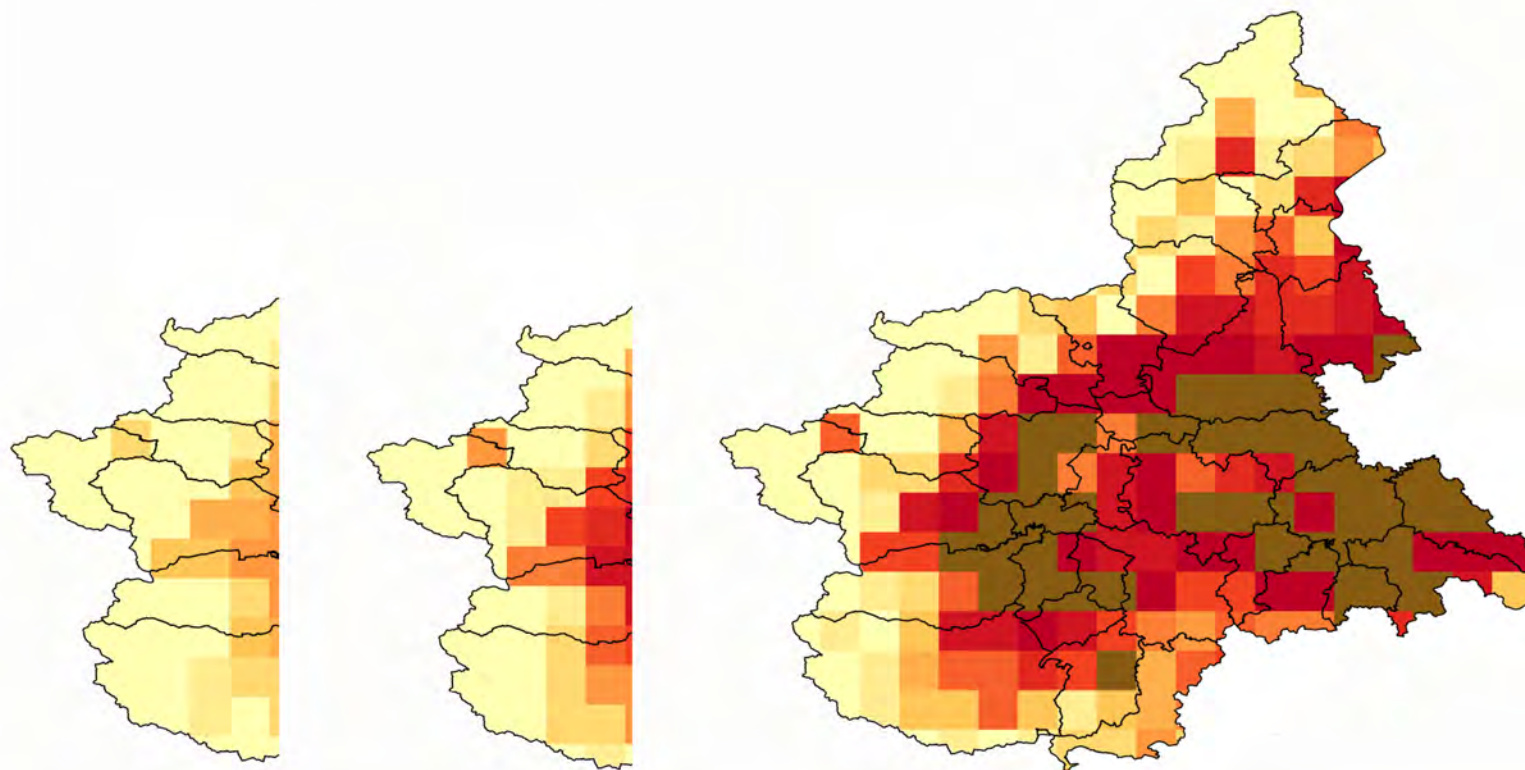
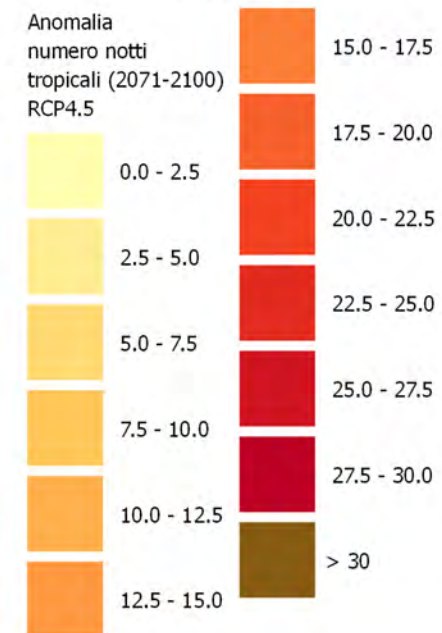
Scenario RCP8.5 – Giorni tropicali



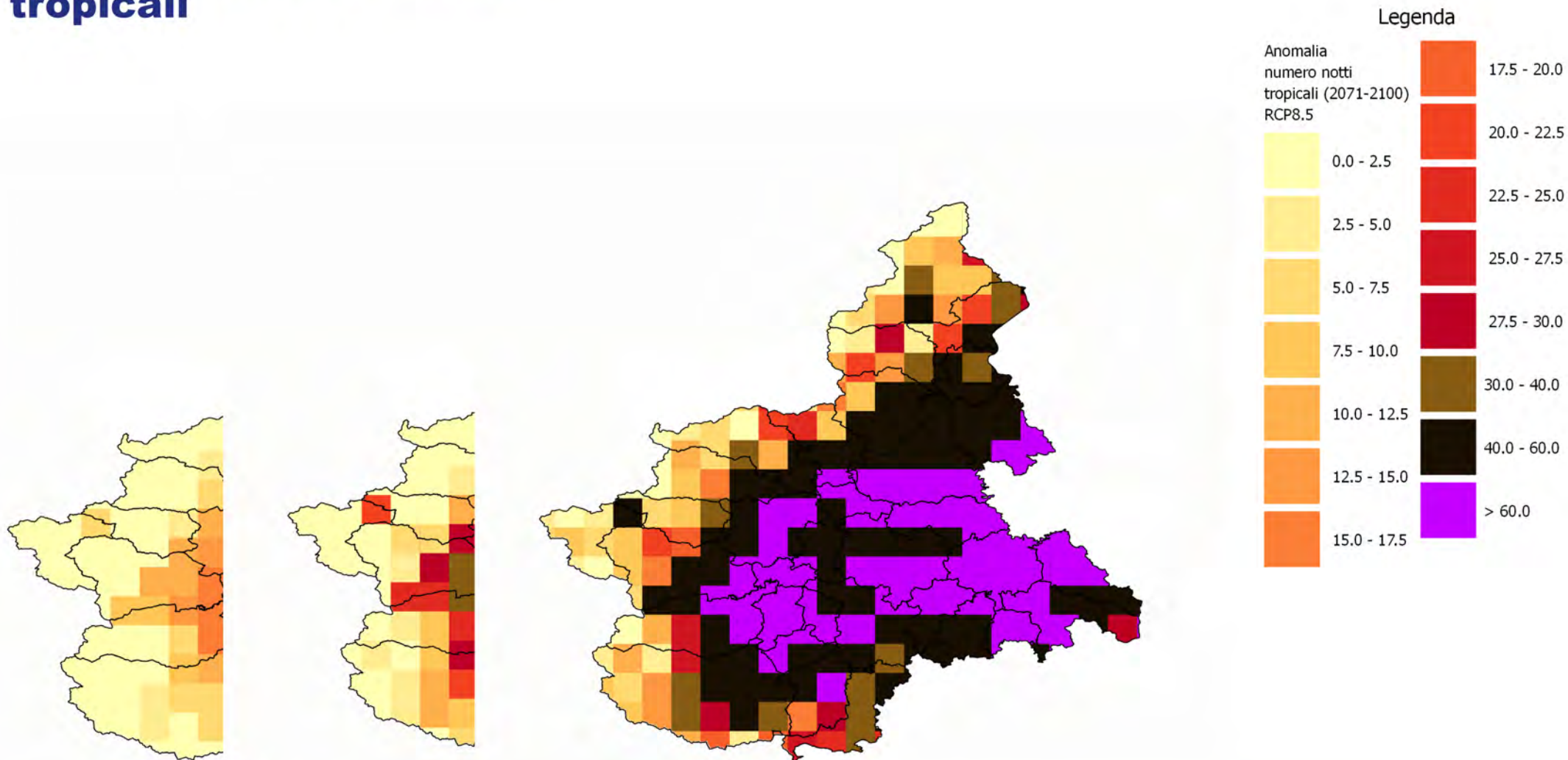
Scenario RCP4.5 – Notti tropicali

Legenda

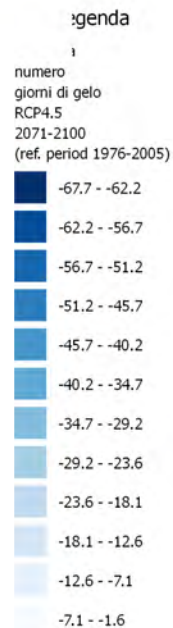
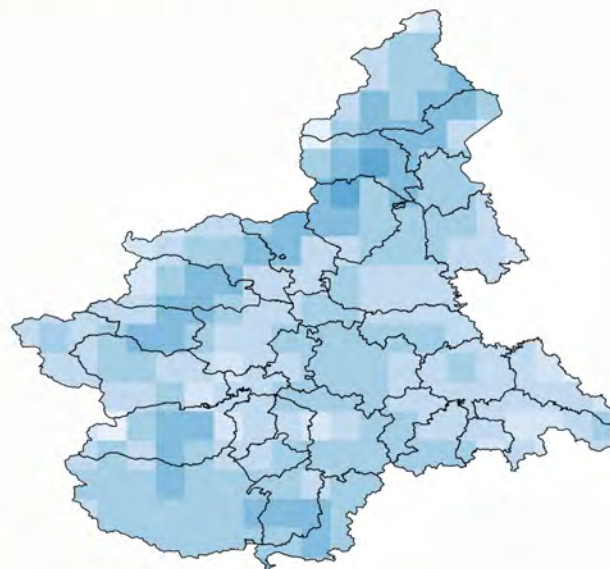
Legenda



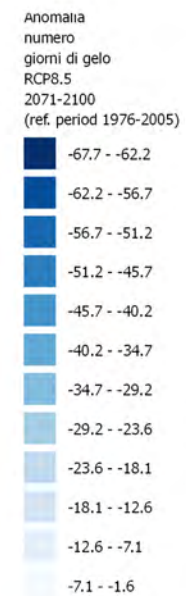
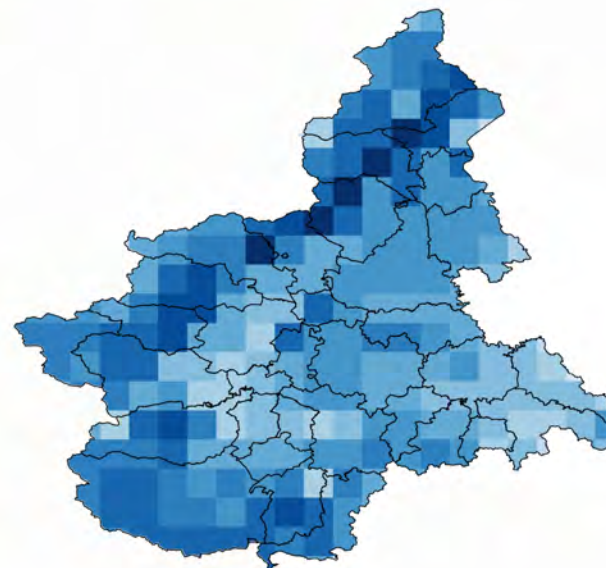
Scenario RCP8.5 – Notti tropicali



Scenario RCP4.5 – Numero giorni di gelo



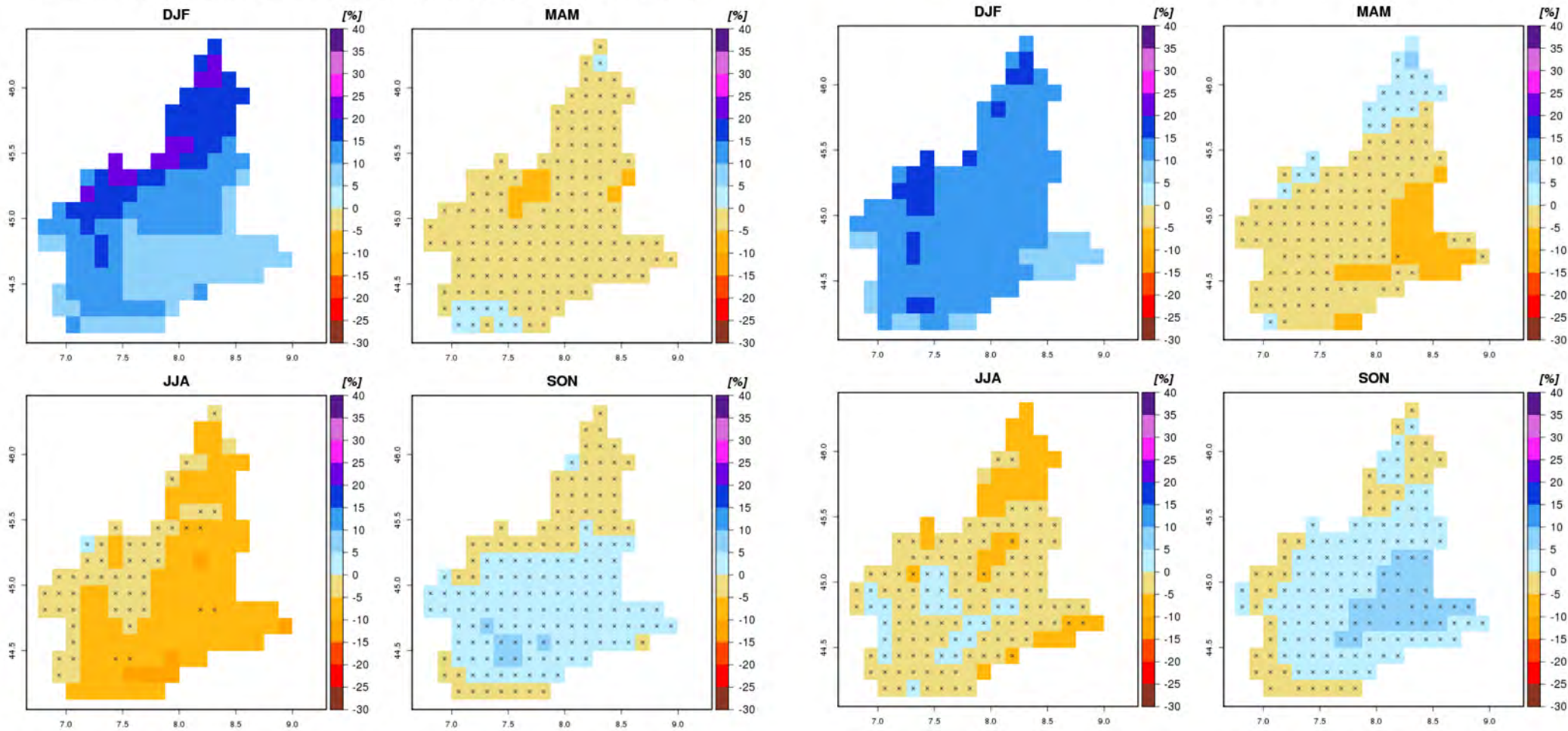
Scenario RCP8.5 – Numero giorni di gelo



Scenario RCP4.5 – Andamento precipitazioni

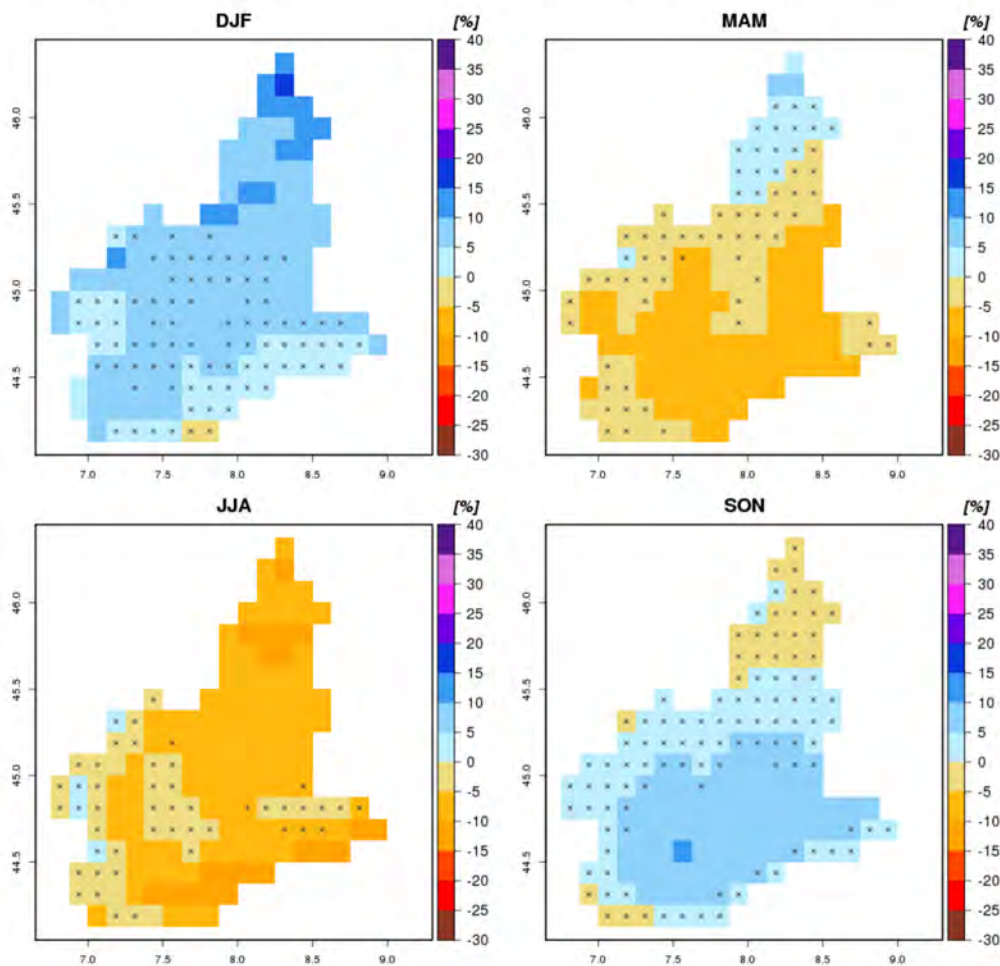
Variazione % precipitazione cumulata media : 2041-2070 VS 1976-2005 - RCP45

Variazione % precipitazione cumulata media : 2071-2100 VS 1976-2005 - RCP45



Scenario RCP8.5 – Andamento precipitazioni

Variazione % precipitazione cumulata media : 2041-2070 VS 1976-2005 - RCP85



Variazione % precipitazione cumulata media : 2071-2100 VS 1976-2005 - RCP85

