

# Secretariat of the Carpathian Convention

## Climate Change and the Carpathian Convention

Climate change adaptation in the mountain region

World Environment Day seminar

5<sup>th</sup> June 2015

Milano, Italy



# CARPATCLIM- project area



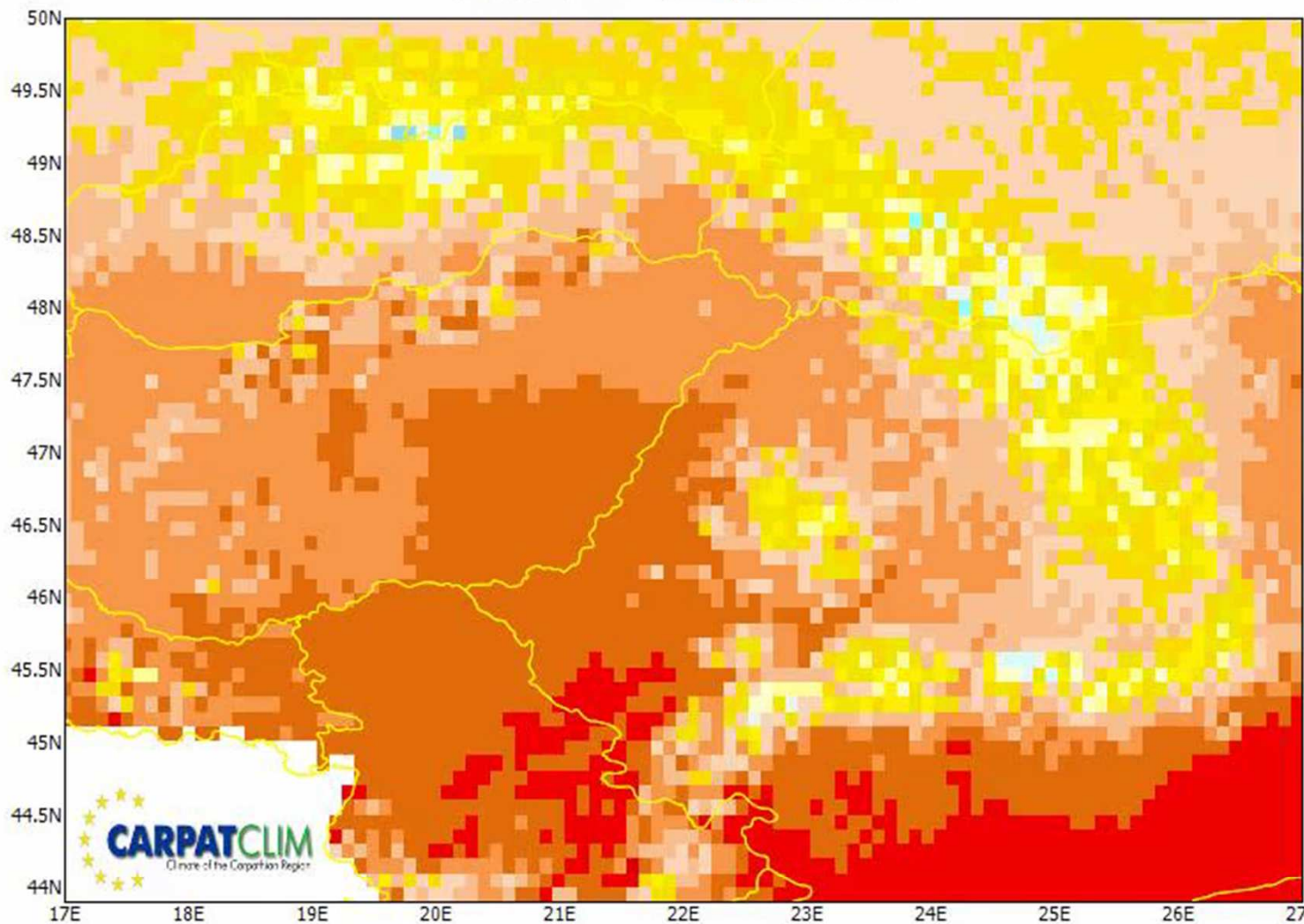
# CARPATCLIM- monitoring stations



The following video shows the change in the yearly mean temperature in the Carpathian region from 1961 to 2010



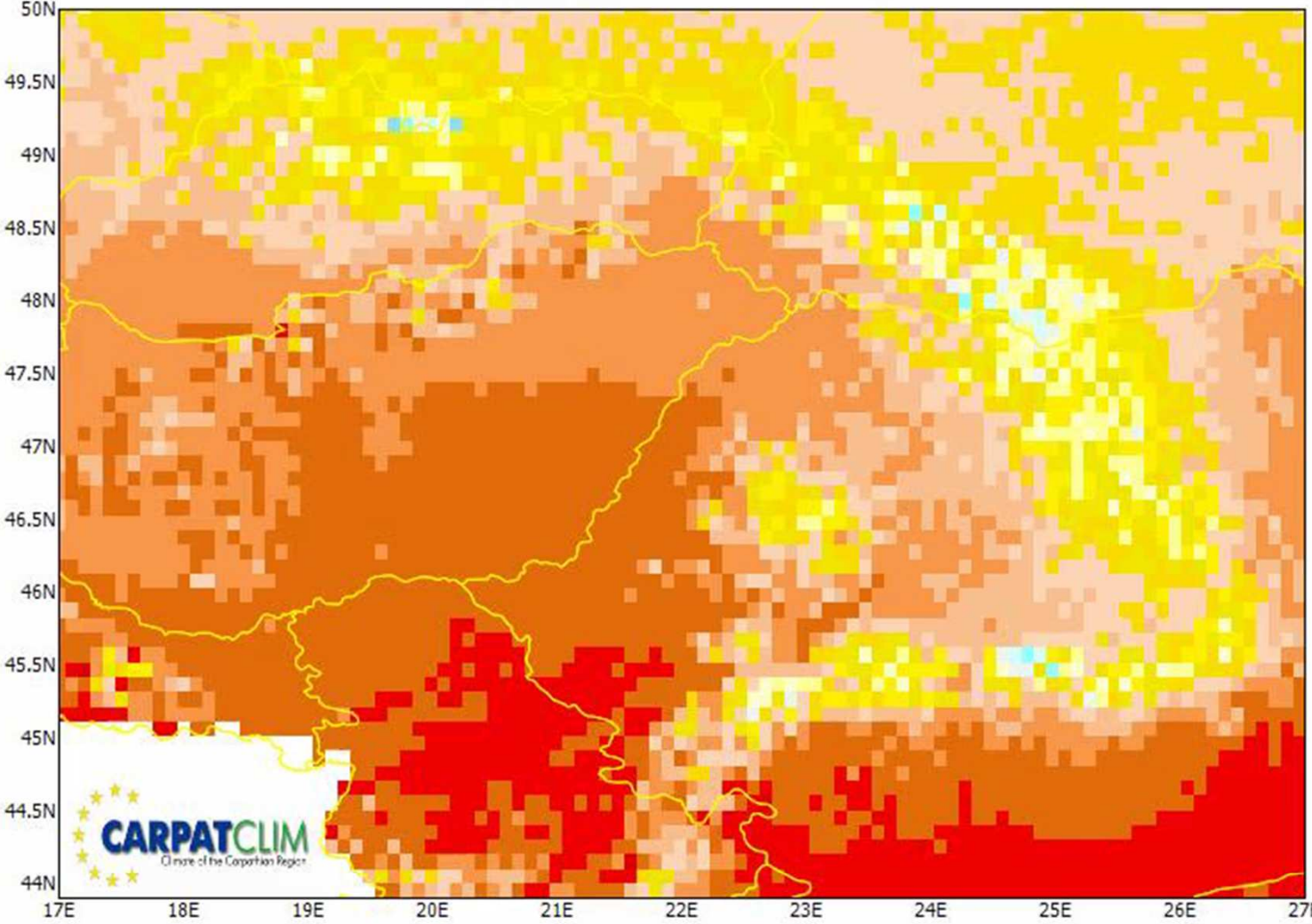
# Mean air temperature



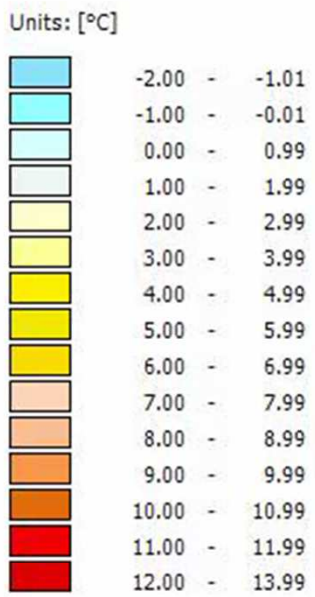
The trend becomes even more striking in this video that shows the increase of temperature in five year intervals



# Mean air temperature



Region: CARPATCLIM  
 Period Type: Yearly  
 Start Year: 1961  
 End Year: 1965  
 Min. Altitude: 11 [m]  
 Max. Altitude: 2337 [m]

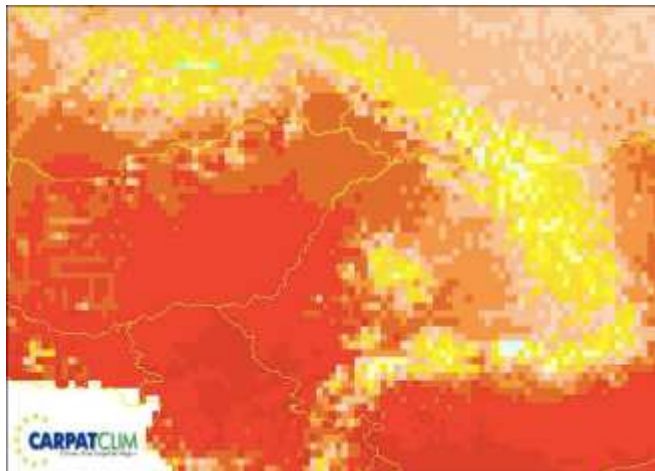


Climate is a cycle that alternates hot and cold years.

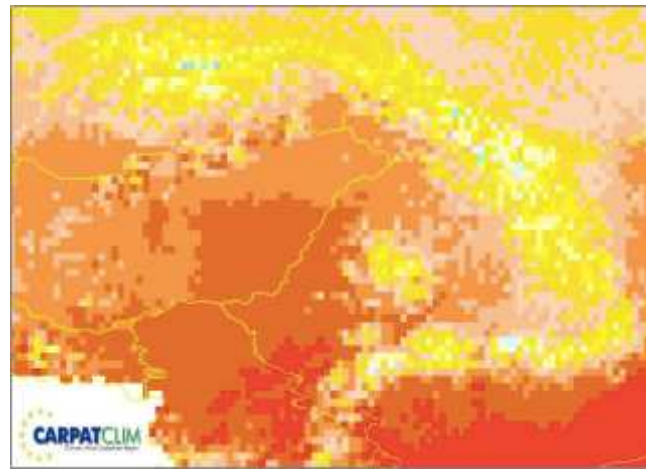
In the next slide we can see a comparison between **two cold years (1962 - 2010)** and **two hot years (1961 - 2009)**



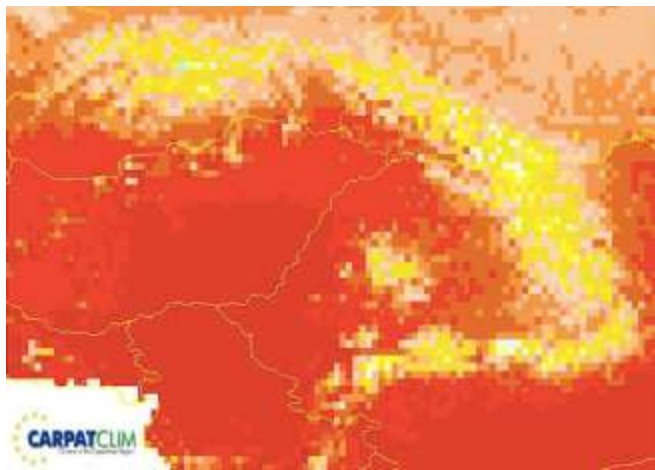




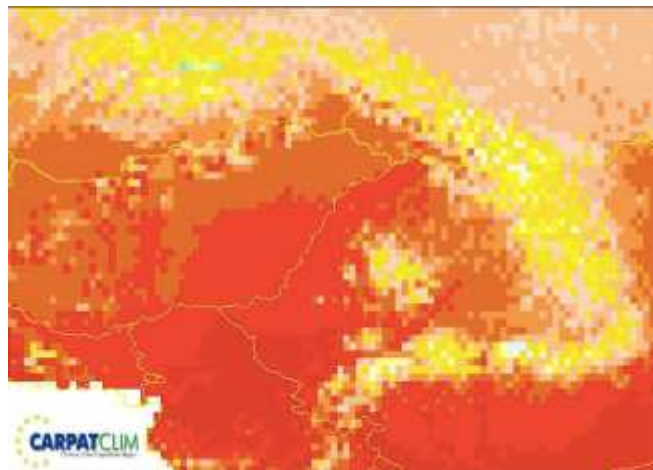
1961



1962



2009



2010

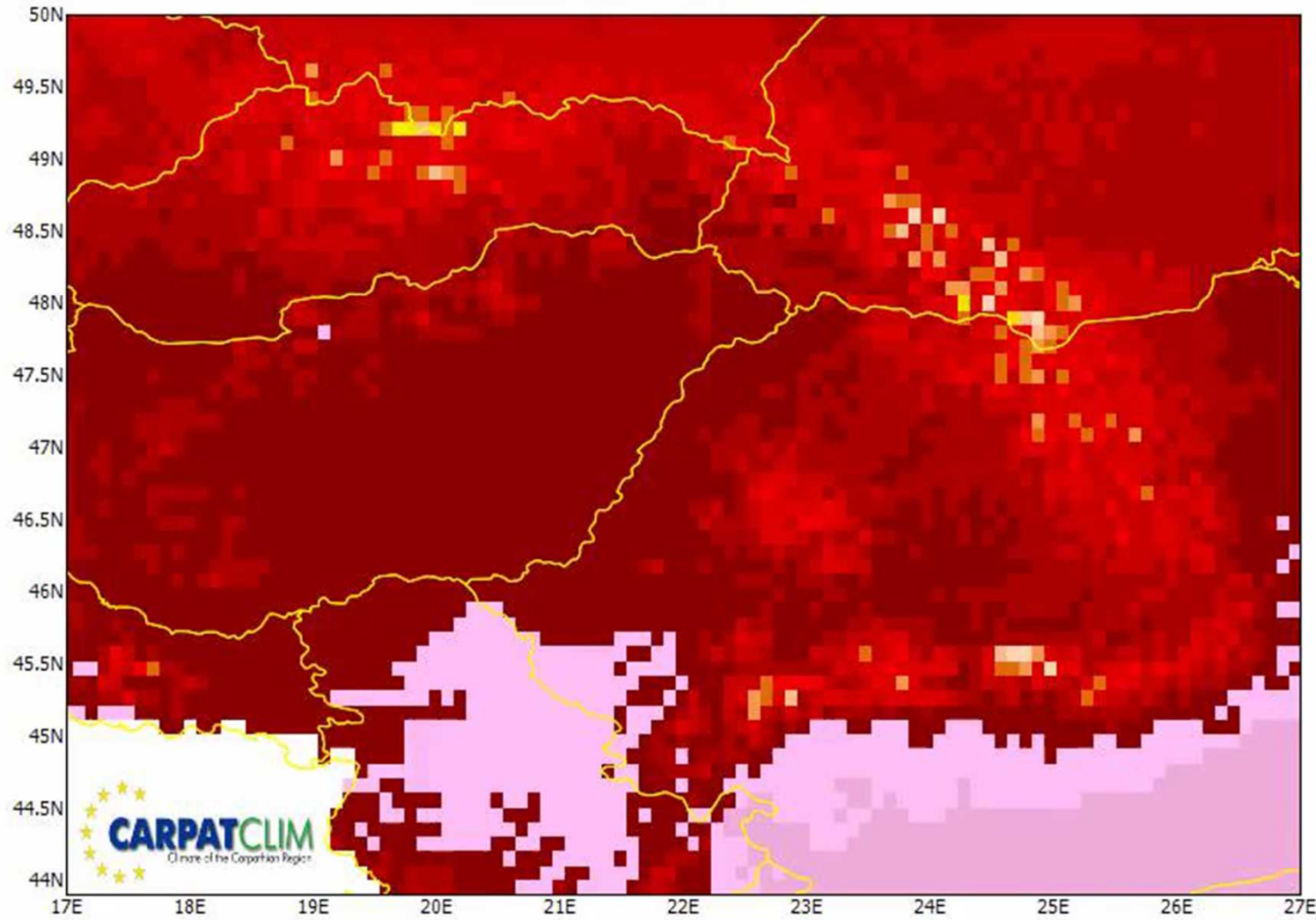
Units: [°C]



The same increase is evident in this video showing the yearly change in mean temperature for the month of July from 1961 to 2010...



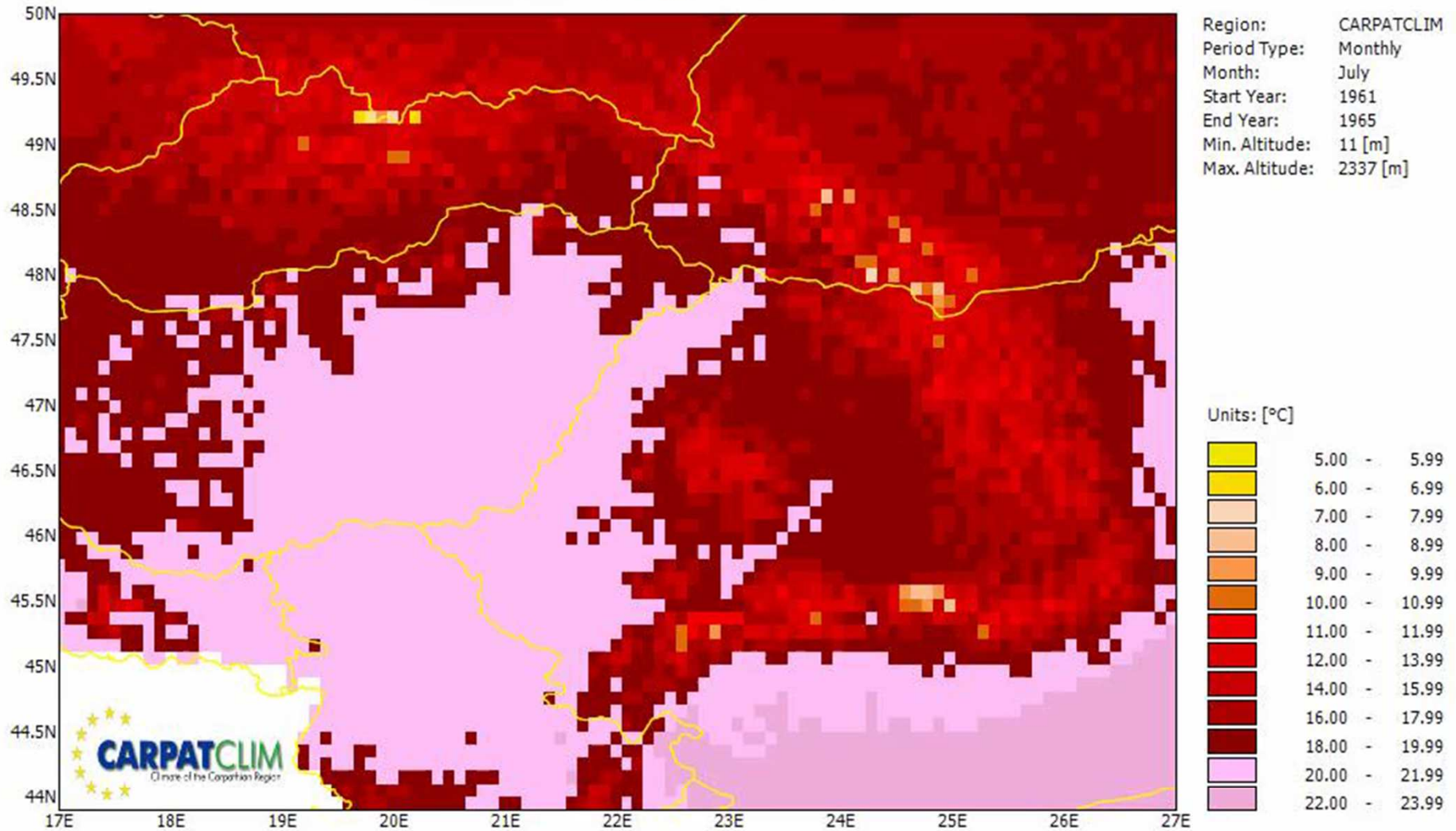
# Mean air temperature



...and in this video  
showing the same period  
in five years intervals



# Mean air temperature



In the Carpathian Region the average annual temperature has increased between 0.6° C and 1.6° C.

Projections estimate that **it will increase by between 3° C and 4.5° C** by the end of the century.



# Actions of the Carpathian Convention

- **FUTURE IMPERFECT** – Climate change and adaptation in the Carpathians, a publication bringing together the results of the three projects on climate change in the Carpathians, CARPATCLIM, CARPVIA and CarpathCC (you can find it at [www.carpathianconvention.org](http://www.carpathianconvention.org))
- **Joint Alpine-Carpathian Statement on Adaptation to Climate Change**, jointly presented at UNFCCC COP 20 in Lima by the Czech and Italian Presidencies
- **Strategic Agenda on Adaptation to Climate Change in the Carpathian Region** finalized



# Thank you for your attention

**Harald Egerer**

**Head**

**Secretariat of the Carpathian Convention- UNEP Vienna**

harald.EGERER@unvienna.org

[www.carpathianconvention.org](http://www.carpathianconvention.org)

[www.unep.org/roe](http://www.unep.org/roe)

