

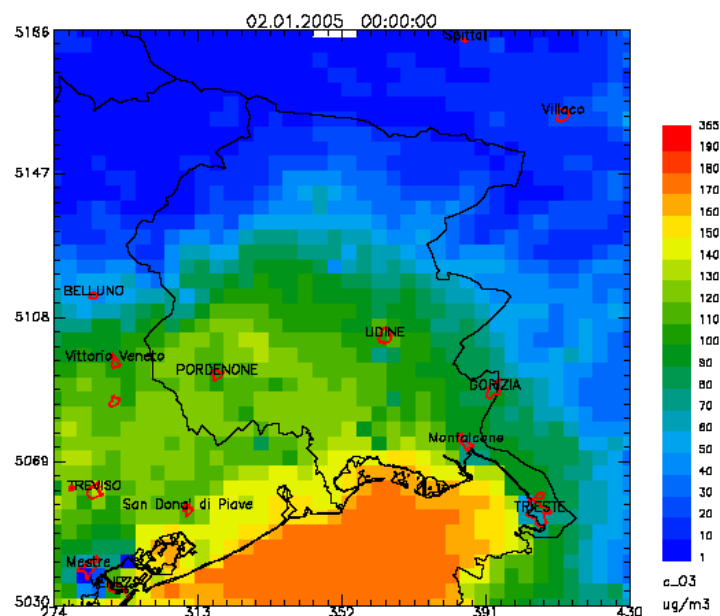
Anthropogenic impacts of Ozone distribution over the Northern Adriatic Sea

*CRMA – Girl & Boys
feat Stel F.*

in
CHARMEX Workshop

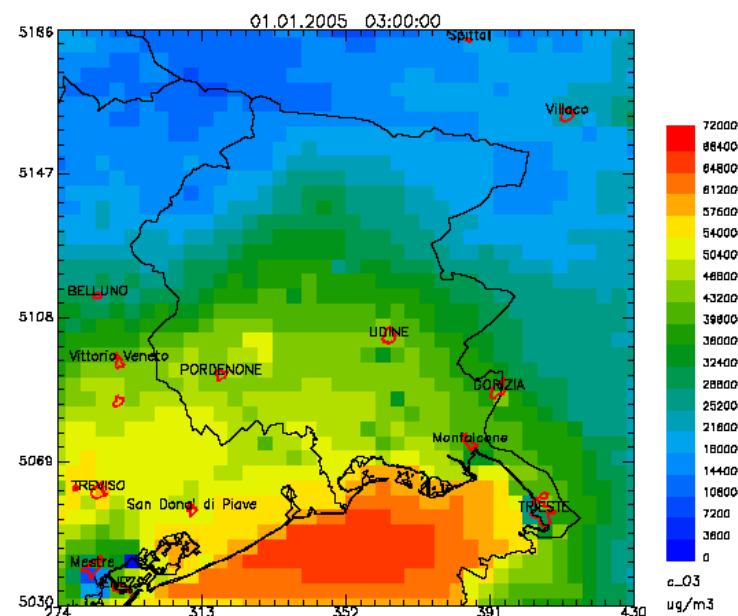
Anthropogenic impacts on ozone over the Norther Adriatic

AMSU 1.4.9 14/May/2009 18:04
File: E:\ARPA-Friuli\elaborazioni_farm\indicatori\c_03\Friuli_2005_03_superi_max_mediabile.nc
Model FARM Simulation time: 02.01.2005 00:00:00 Variable: c_03
Area range [274,5030] [430,5186] Top of domain 1
Global data range: [0,178]



exceedances 120 ug/m3/8h

AMSU 1.4.9 14/May/2009 18:10
File: E:\ARPA-Friuli\elaborazioni_farm\indicatori\c_03\Friuli_2005_03_AOT40.nc
Model FARM Simulation time: 01.01.2005 03:00:00 Variable: c_03
Area range [274,5030] [430,5186] Top of domain 12221.6
Global data range: [1246.11,67331.4]



AOT40 (ppb)

Anthropogenic impacts on ozone over the Norther Adriatic

Due to meteorological drivers

High amount of solar radiation over the sea due to reduced cloudiness

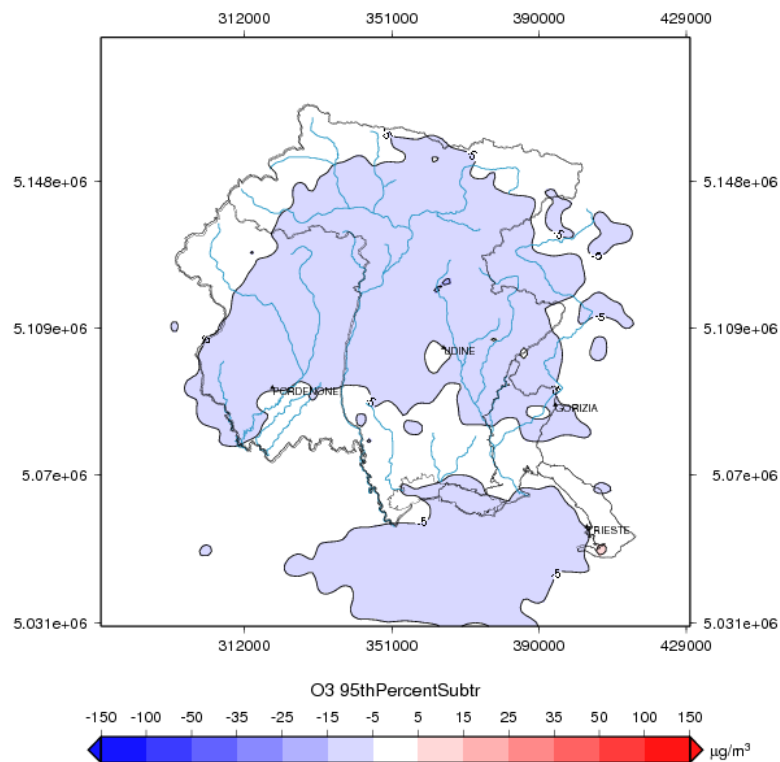
Low average planetary boundary layer height

Due to anthropic pressures

High emission density of ozone parent elements (NOX, among others)

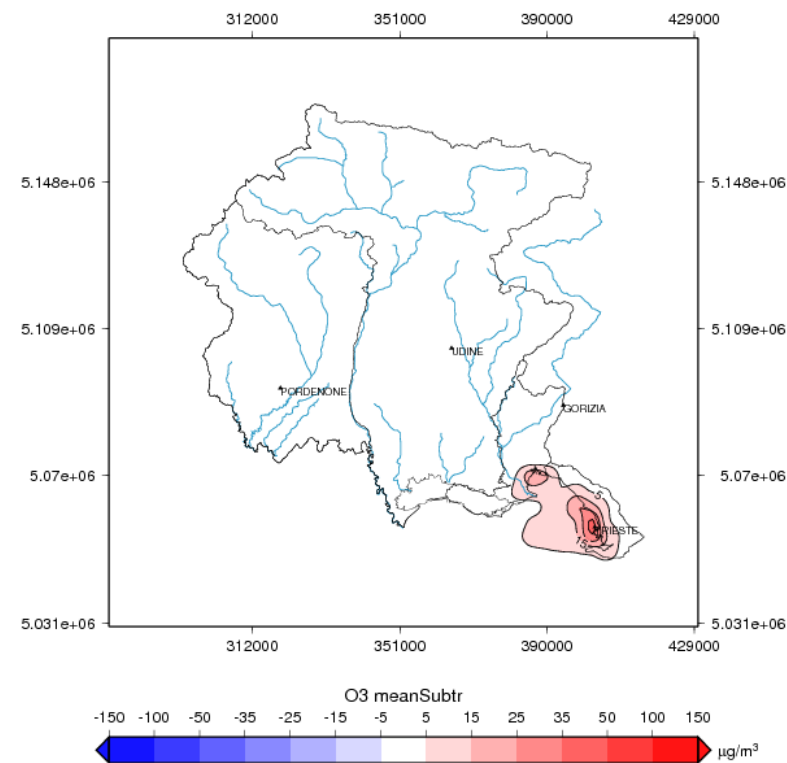
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FARM Output: date=20050701-20050731, tempo 000



Reduction of road transport emissions over the plane produces a reduction in peak O3 values over the sea

FARM Output: date=20050701-20050731, tempo 000



Reduction of ship emissions over the harbour produces a growth of peak O3 values over the sea