

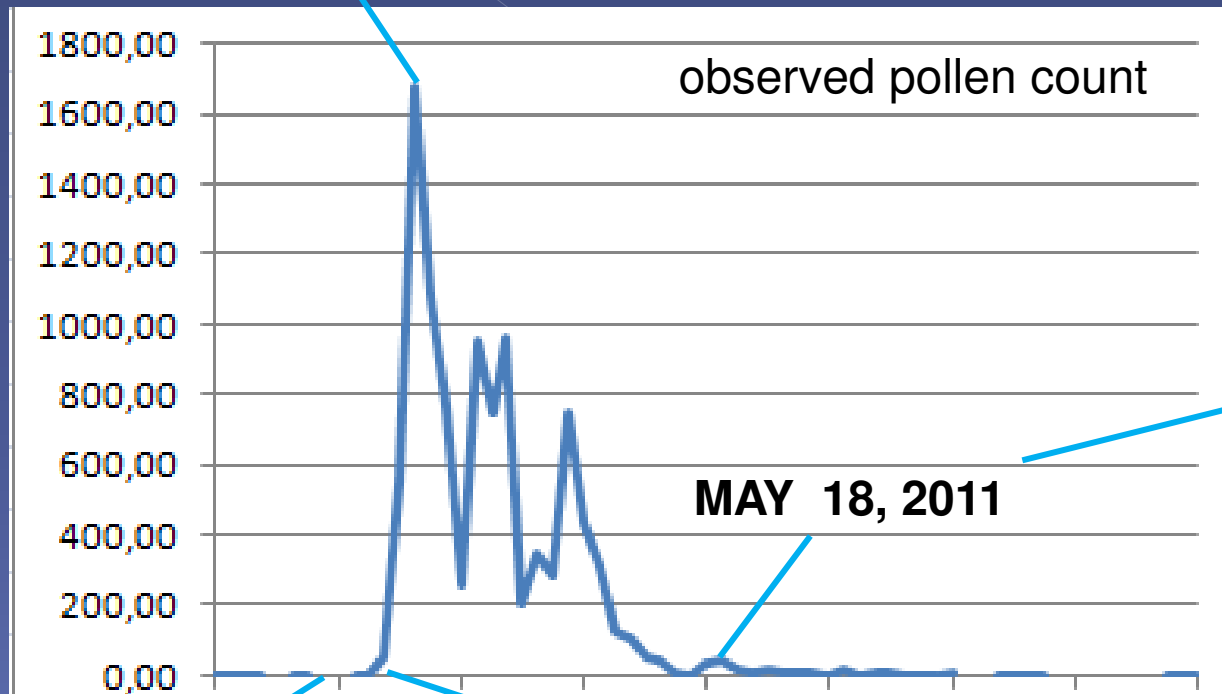
**SILAM birch pollen simulations
in Moscow (2011)
footprints and comparison with
observations**

What has been done

- Forward SILAM birch simulation Mar 2 – May 19, 2011
- 4 footprint simulations 3 days backward

APRIL 29, 2011

The highest peak



“Small peak”
after local(?)
pollen season

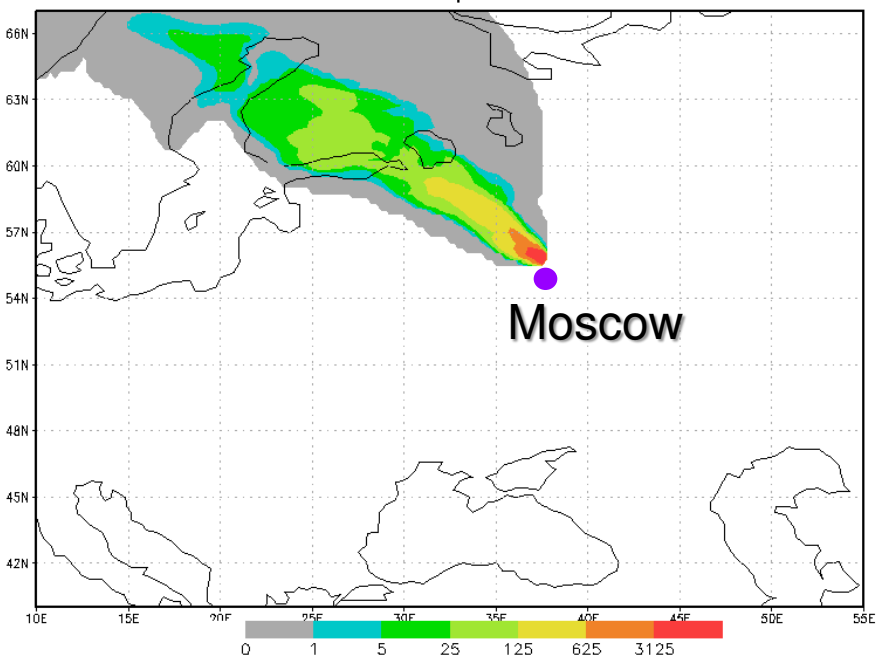
APRIL 24, 2011

No pollen observed

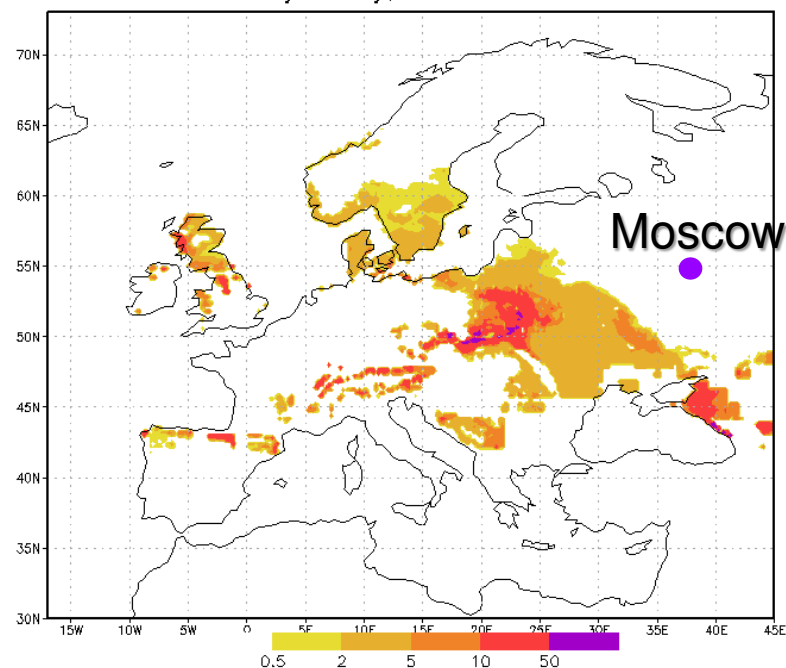
APRIL 27, 2011

First time increased pollen counts

SILAM PM2.5 footprints 24.4.2011

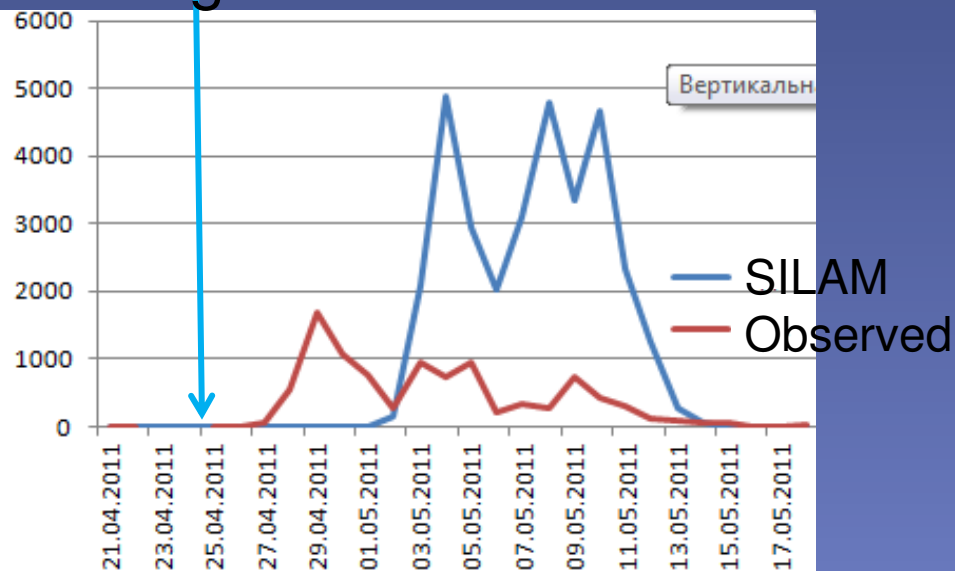


Pollen ready to fly, time 12Z24APR2011

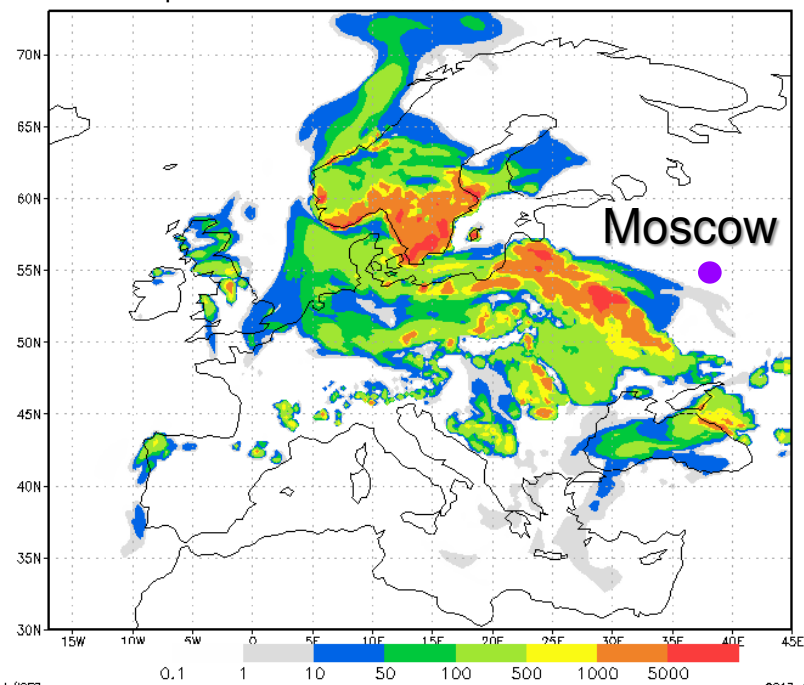


APRIL 24, 2011

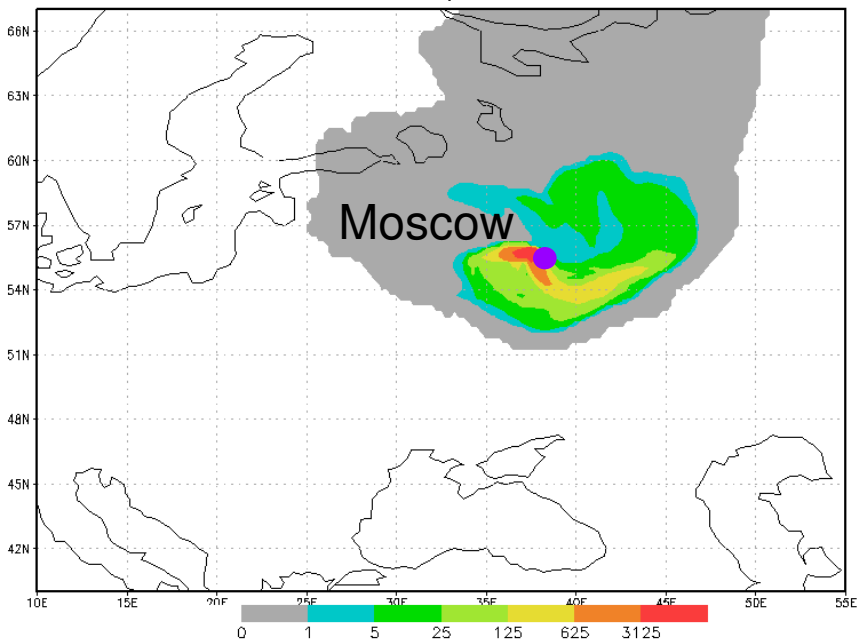
0 grains/m³



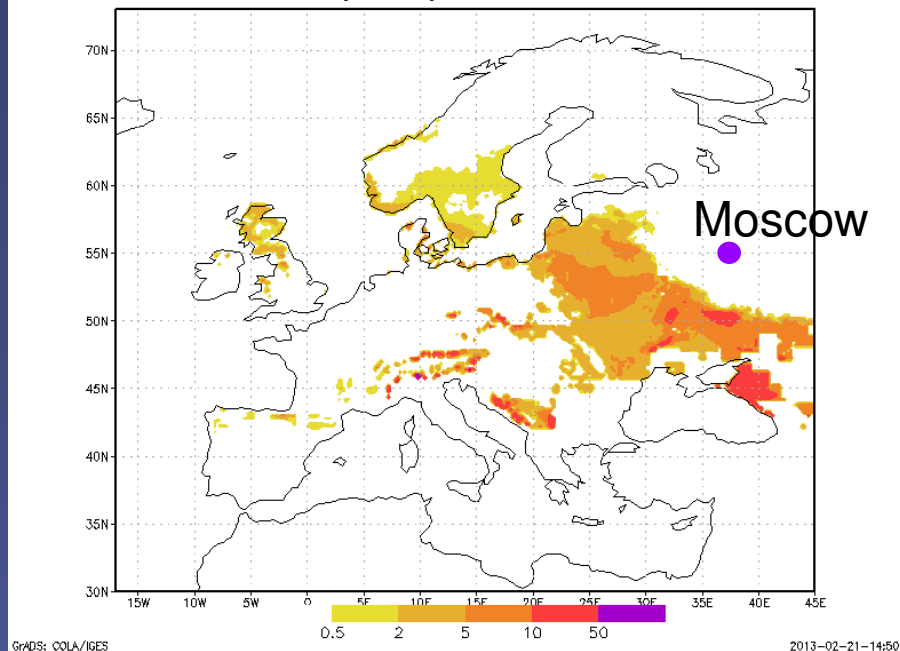
Birch pollen concentration, time 12Z24APR2011



SILAM PM2.5 footprints 27.4.2011

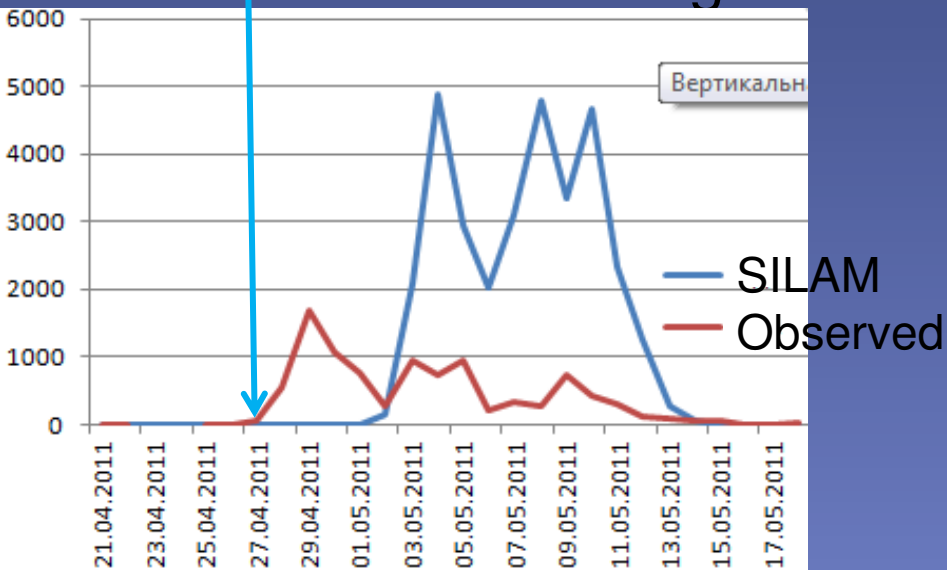


Pollen ready to fly, time 12Z27APR2011

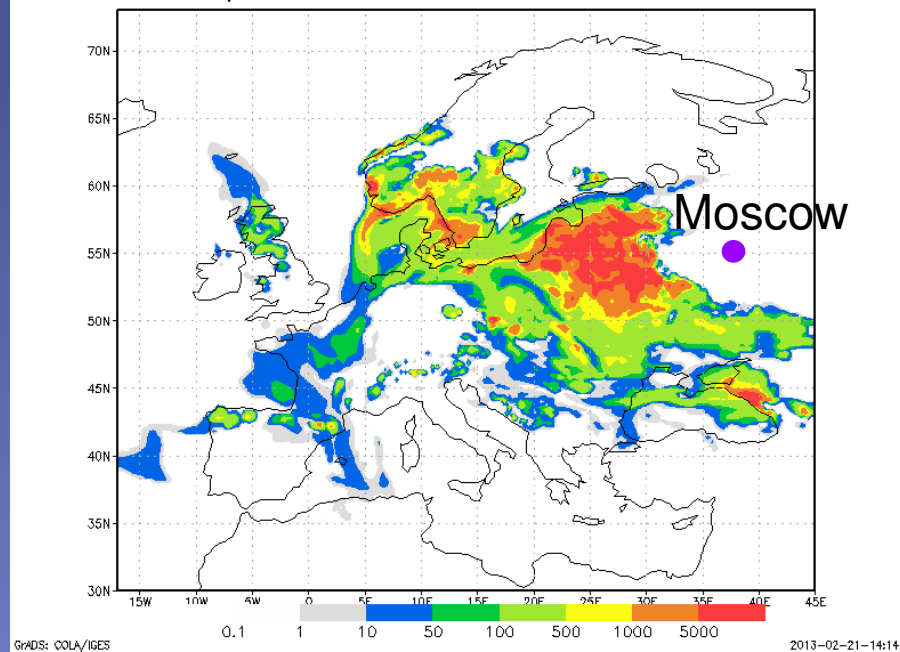


APRIL 27, 2011

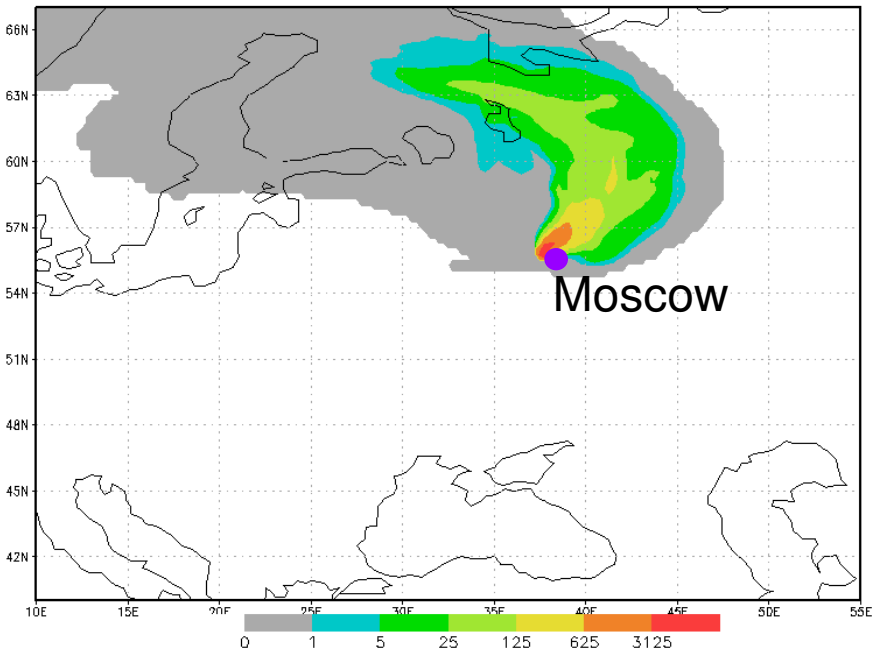
49 grains/m³



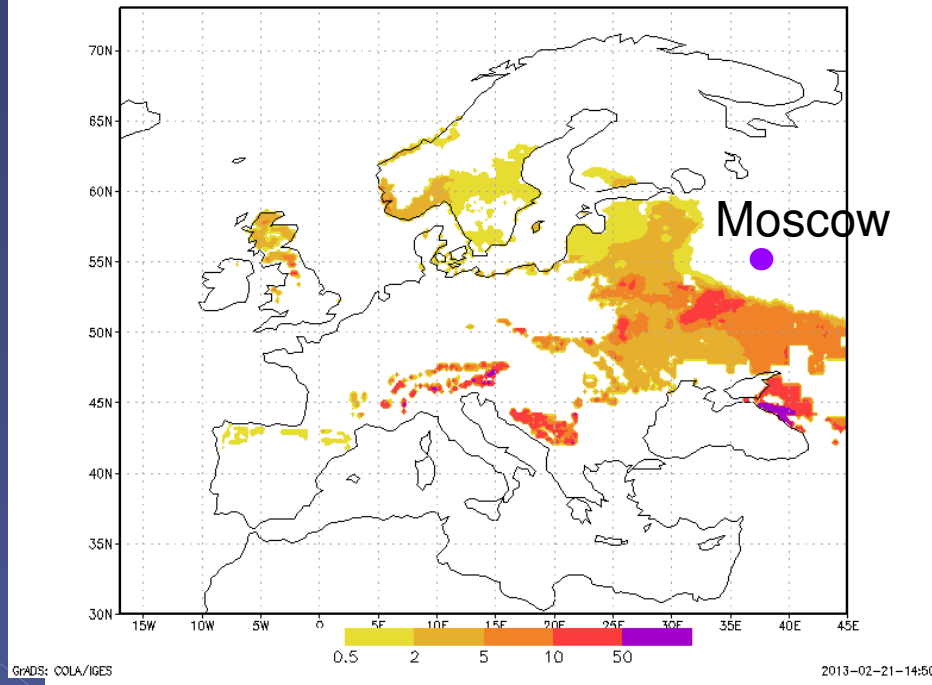
Birch pollen concentration, time 12Z27APR2011



SILAM PM2.5 footprints 29.4.2011

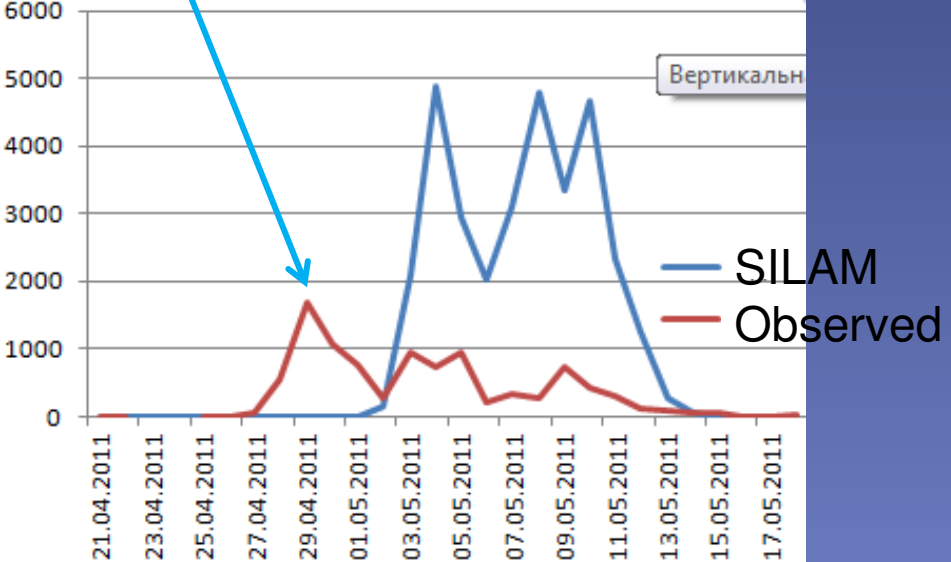


Pollen ready to fly, time 12Z29APR2011

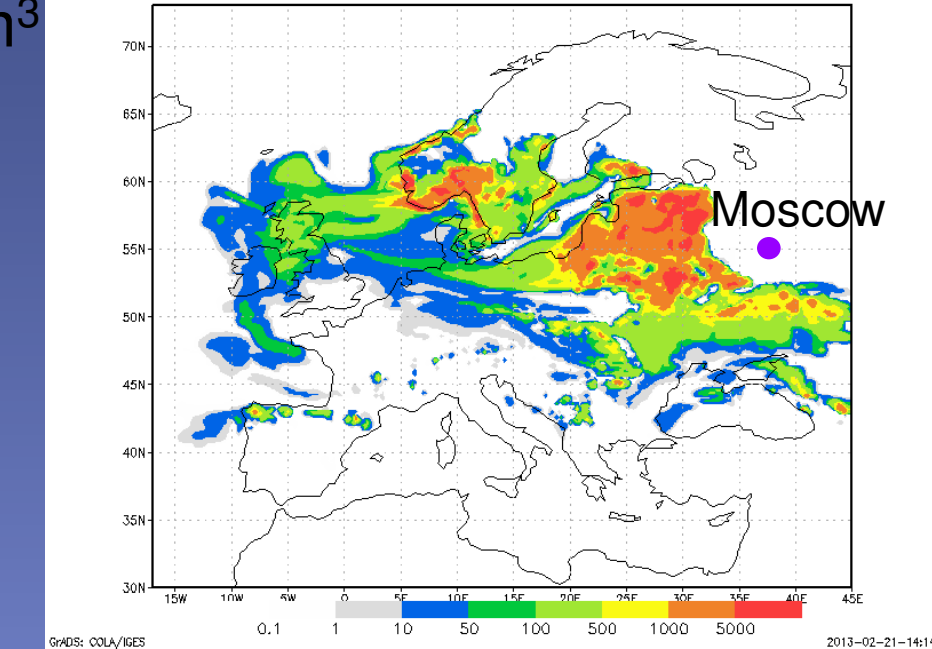


APRIL 29, 2011

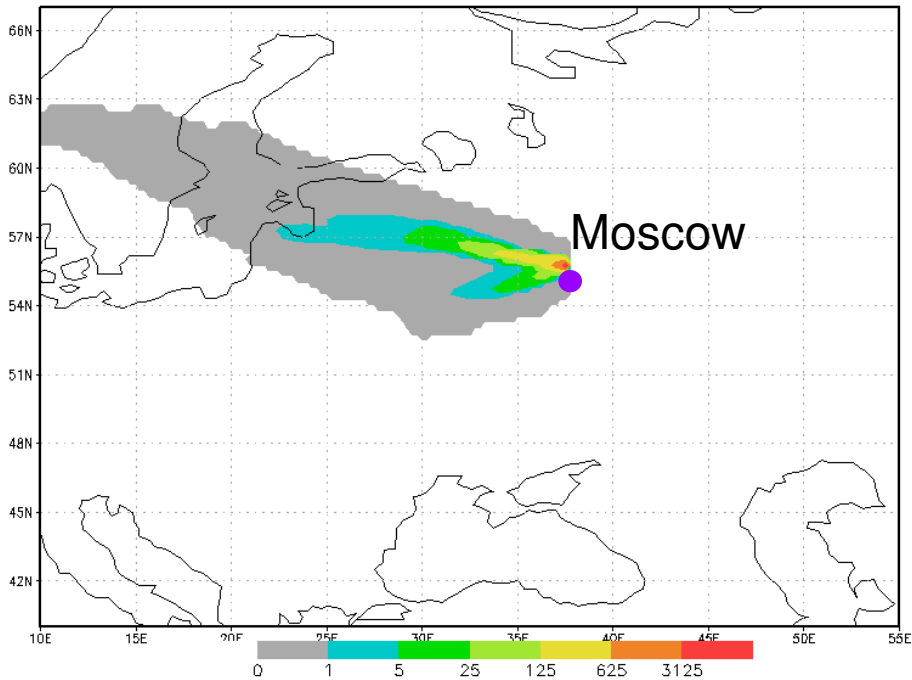
1678 grains/m³



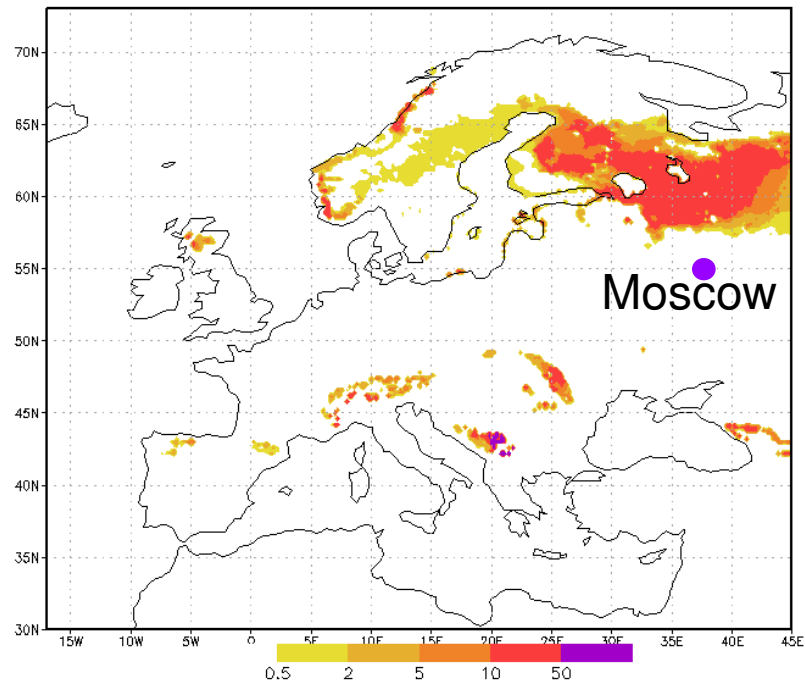
Birch pollen concentration, time 12Z29APR2011



SILAM PM2.5 footprints 18.5.2011

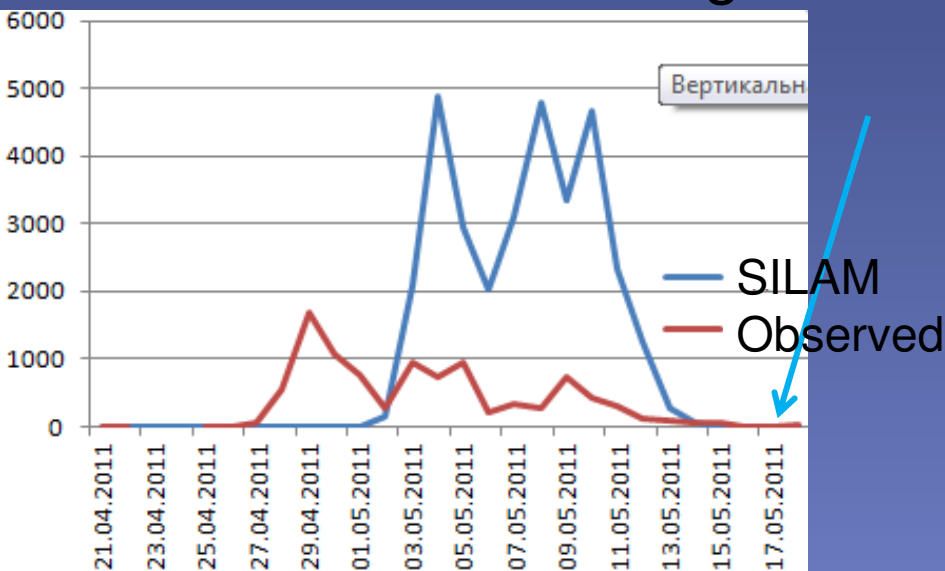


Pollen ready to fly, time 12Z18MAY2011

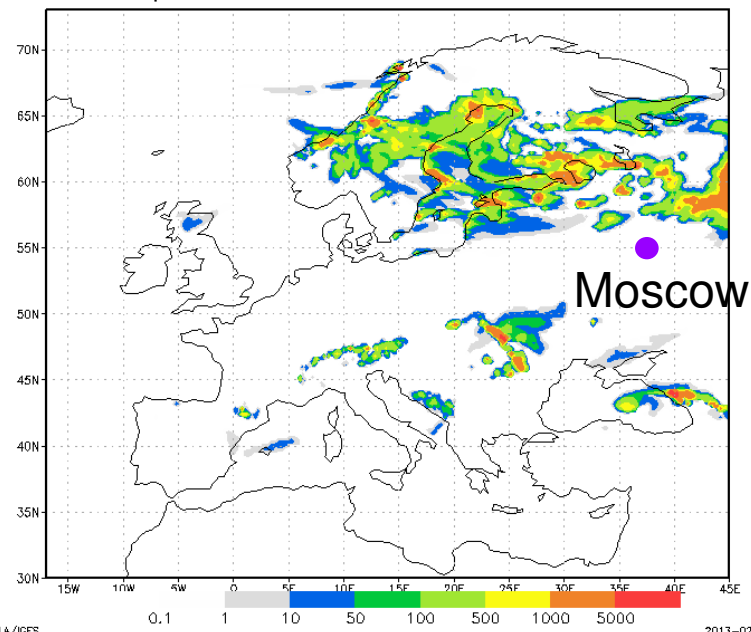


MAY 18, 2011

33 grains/m³



Birch pollen concentration, time 12Z18MAY2011



Thanks a lot!