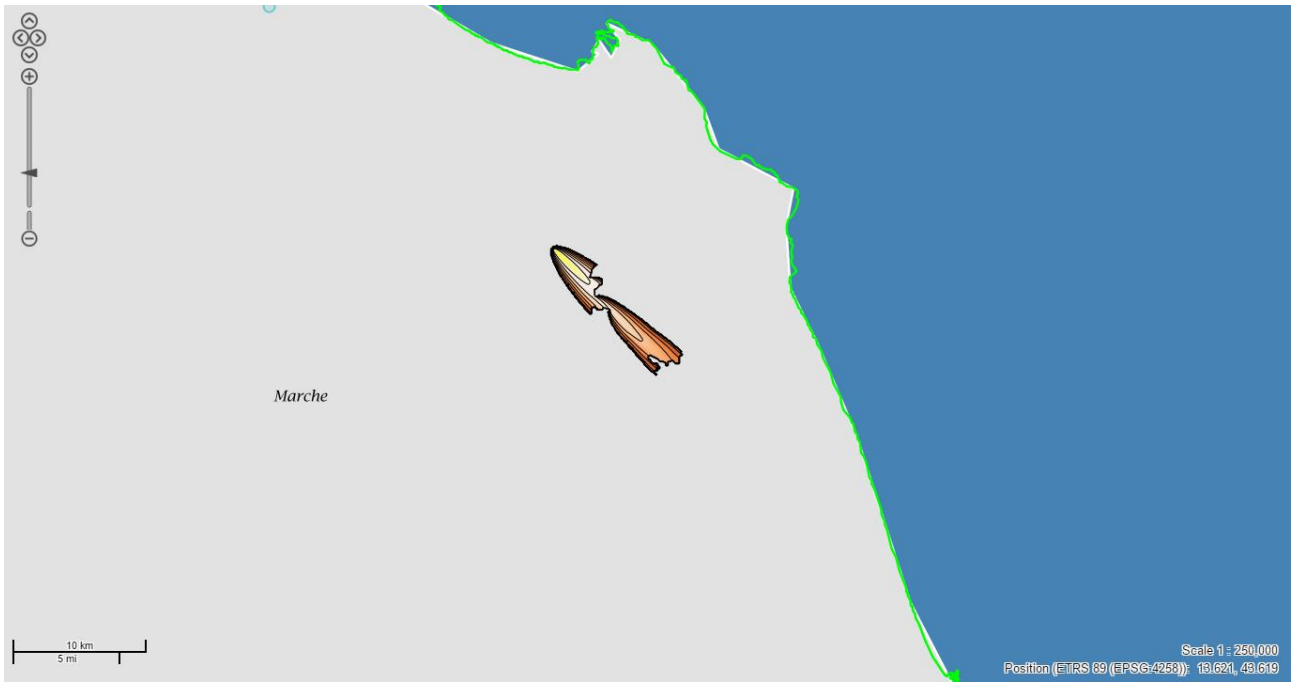
Assignment 1

Step 1: Within AdriaFireGIS UI, start simulation at coordinates (13.465,43.520):

- Duration (min): 200
- Fuel model: Albini (default)



Step 2: Start similar simulation, but make duration 400 minutes:

Assignment 2

Step 1: Within AdriaFirePropagator UI, change language (it will not fully work yet, as languages are not yet translated).

Step 2: Revert chosen language to English.

Assignment 3

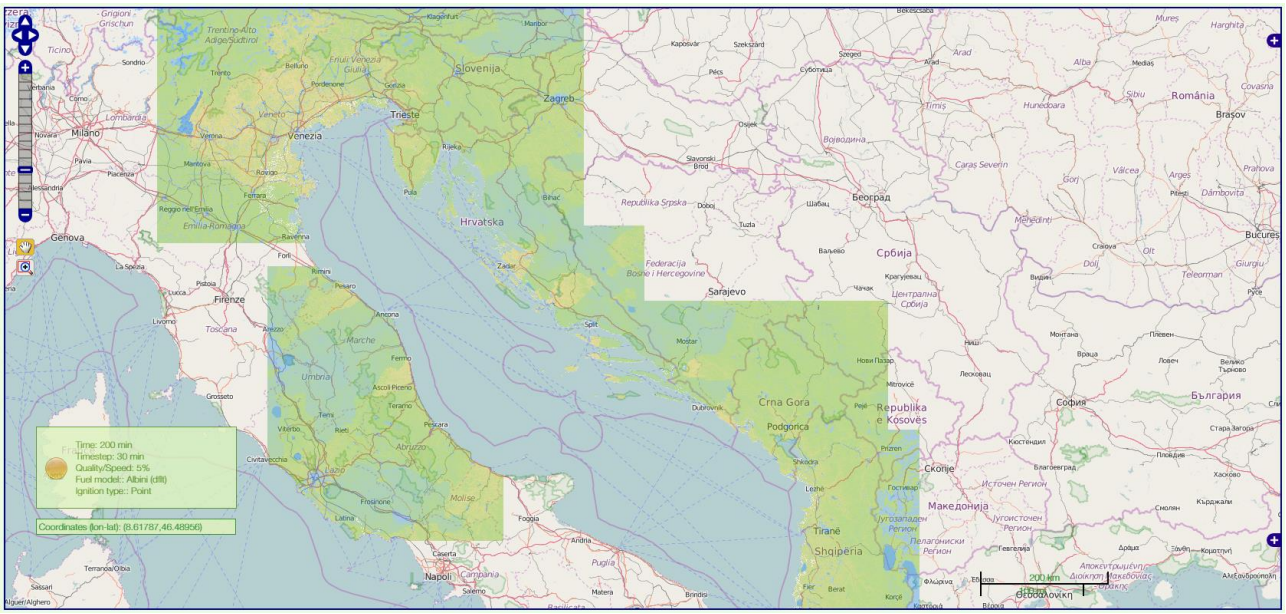
Step 1: Within AdriaFirePropagator UI, set default view to any desirable.

Step 2: Reopen AdriaFirePropagator and check if default view was updated successfully.

Assignment 4

Step 1: Within AdriaFirePropagator UI, display AdriaFireRisk layer.

Step 2: Set opacity of AdriaFireRisk layer to 0.4.



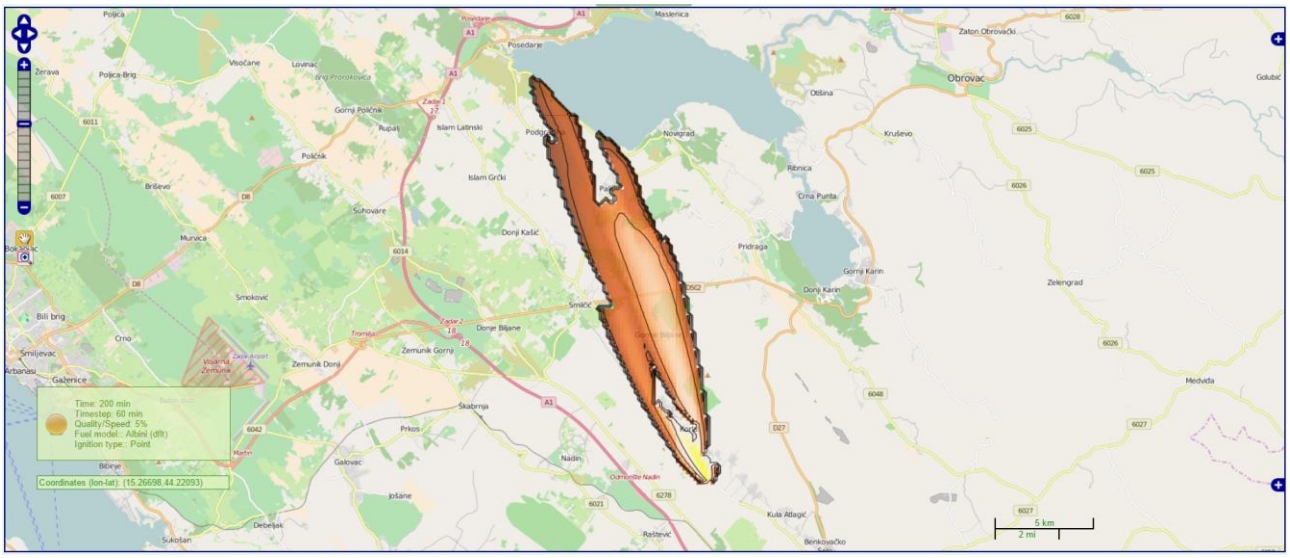
Step 3: Set opacity of AdriaFireRisk layer to 1.0.

Assignment 5

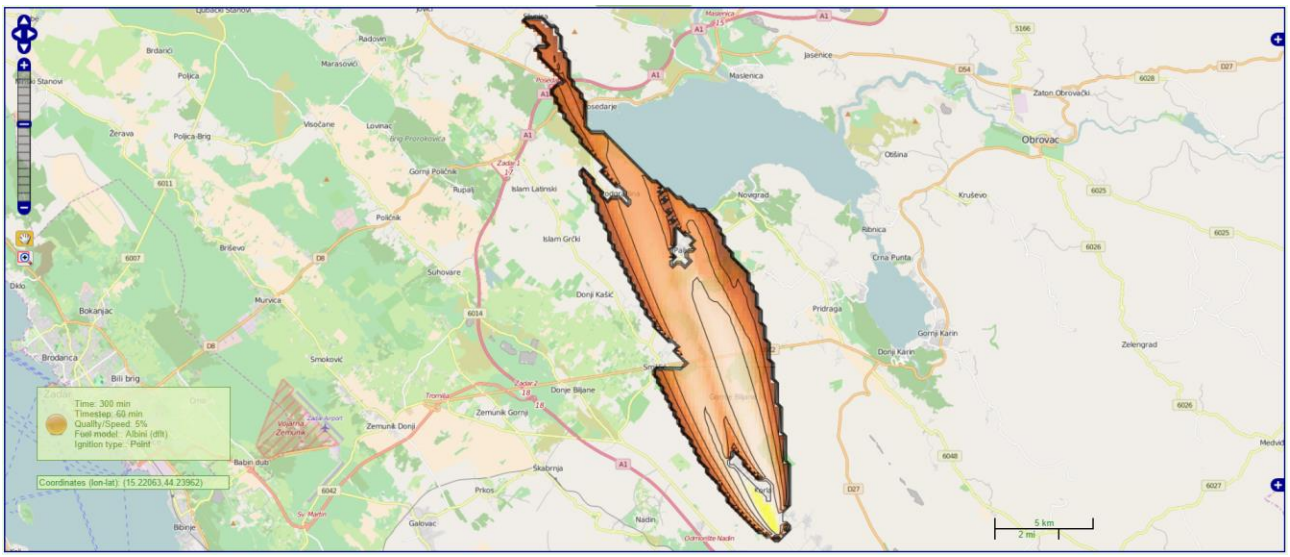
Step 1: Within AdriaFirePropagator UI, set the following „Simulation properties“:

- Time (min): 200
- Timestep (min): 60
- Speed/Quality: 0%
- Ignition type: Point
- Chosen fuel model: Albini-Anderson (default)

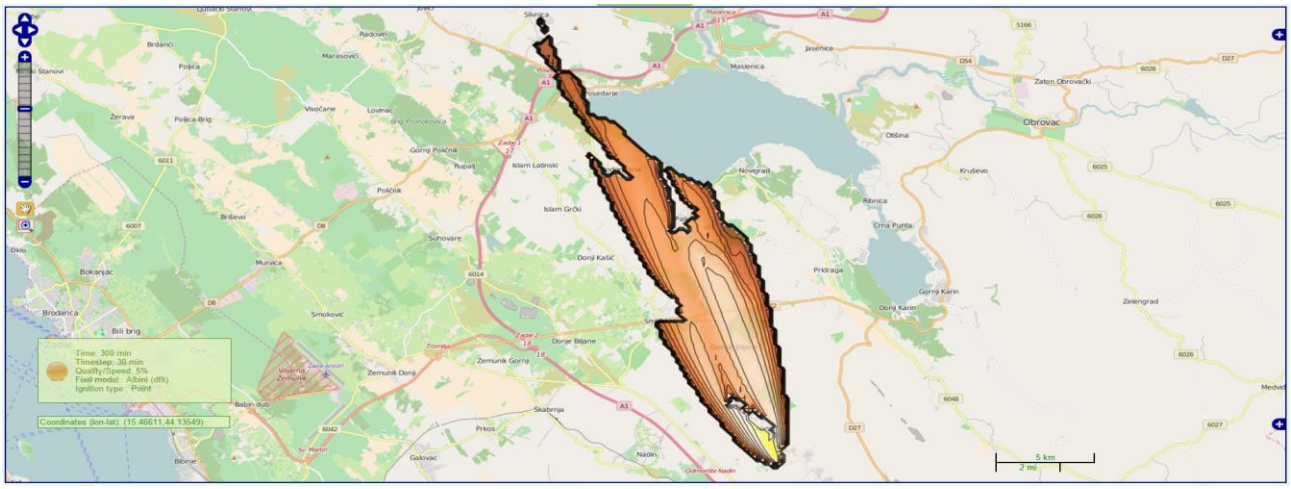
Step 2: Start simulation (current) around coordinates (15.560, 44.060)



Step 3: Set duration of the simulated fire to 300 mins, and start simulation (current) at the same point.

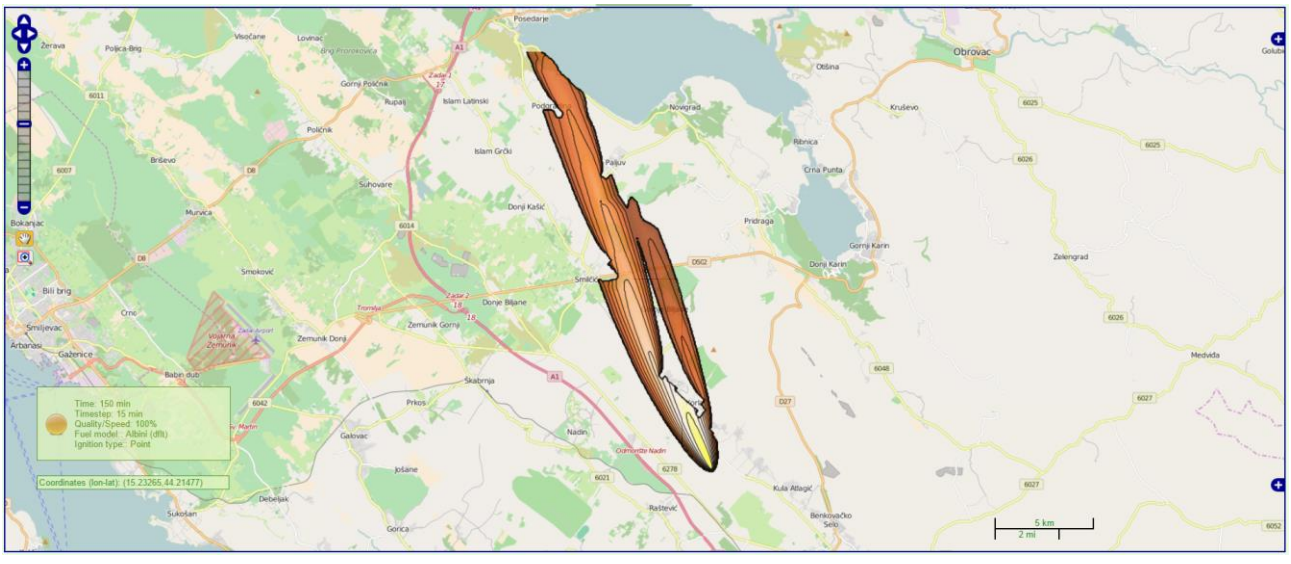


Step 4: Set timestep of the simulated fire to 30 mins, and start simulation (current) at the same point.



Step 5: Change speed/quality ratio to approximately 50% and start simulation (current) at the same point.

Step 6: Change speed/quality ratio to 100%, duration to 150, timestep to 15 and start simulation (current) at the same point.



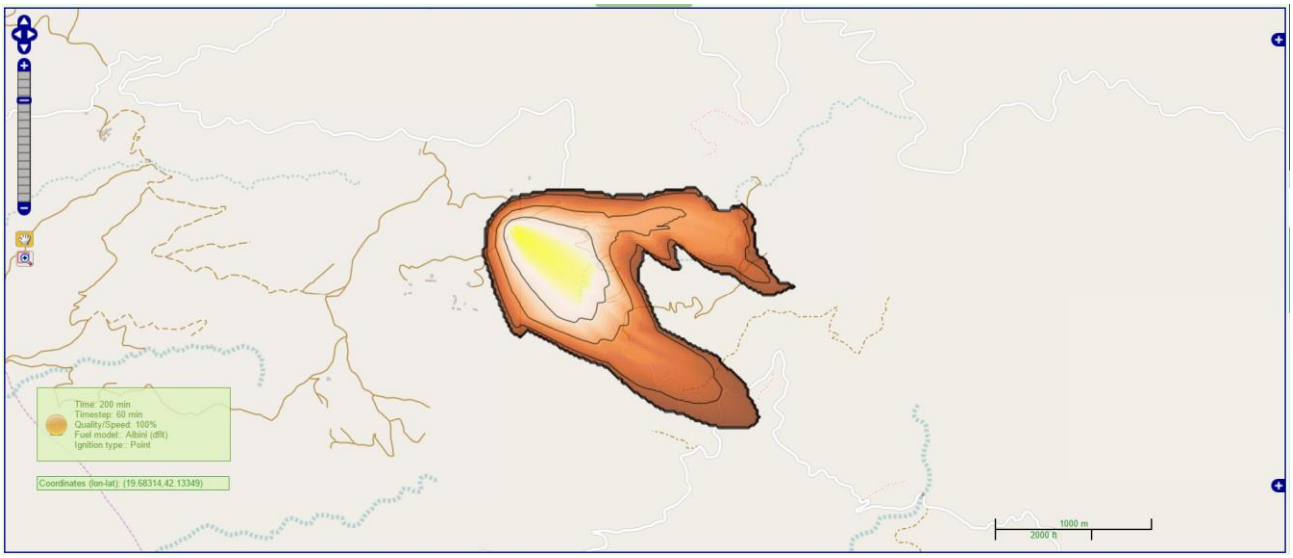
Assignment 6

Step 1: Within AdriaFirePropagator UI, navigate map to coordinates (19.710,42.126)

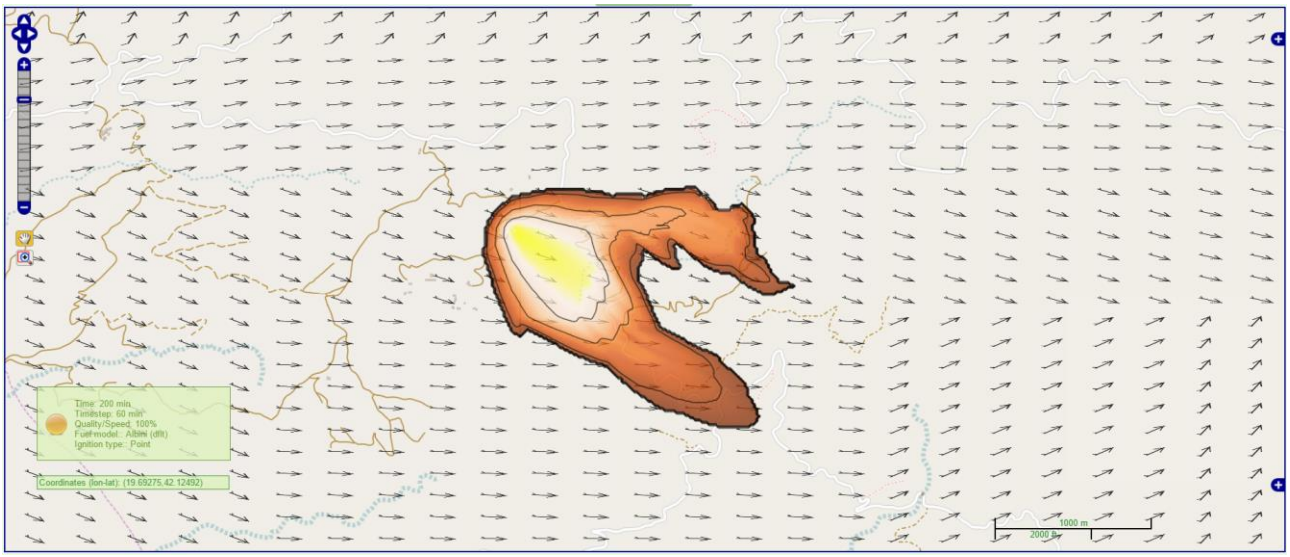
Step 2: Set the following „Simulation properties“:

- Time (min): 200
- Timestep (min): 60
- Speed/Quality: 100%
- Ignition type: Point
- Chosen fuel model: Albini-Anderson (default)

Step 3: Start simulation (current) at coordinates (19.71, 42.12)



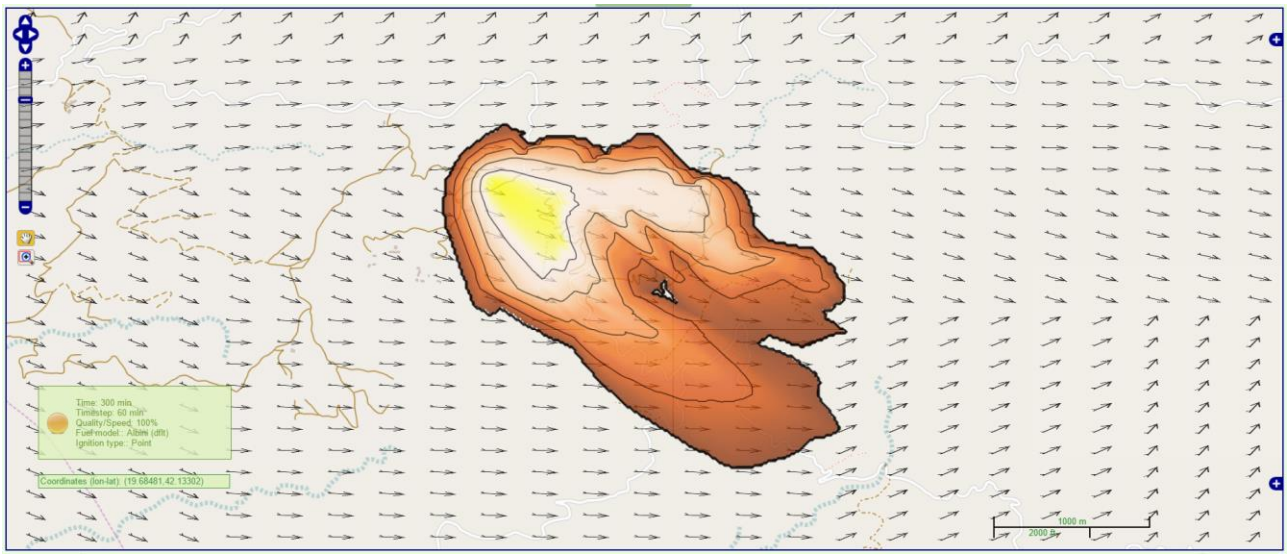
Step 4: Show current wind conditions on the map



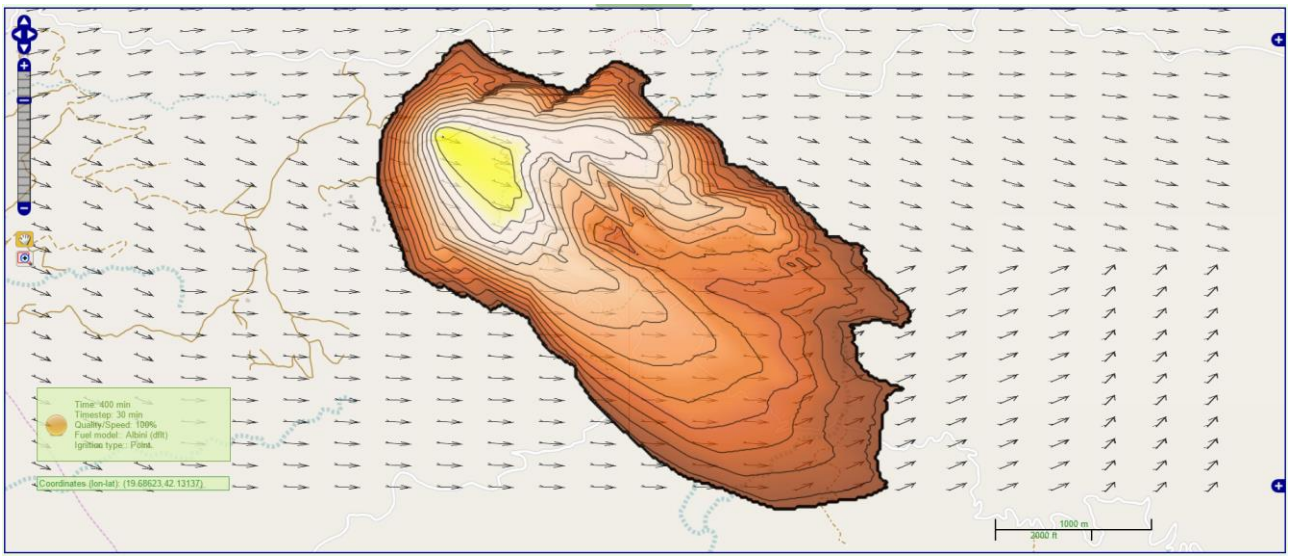
Step 5: Move around given coordinates and check wind conditions

Step 6: Choose among different base layers

Step 7: Change duration of the fire to 300 min



Step 8: Change duration of the fire to 400 min and timestep to 30



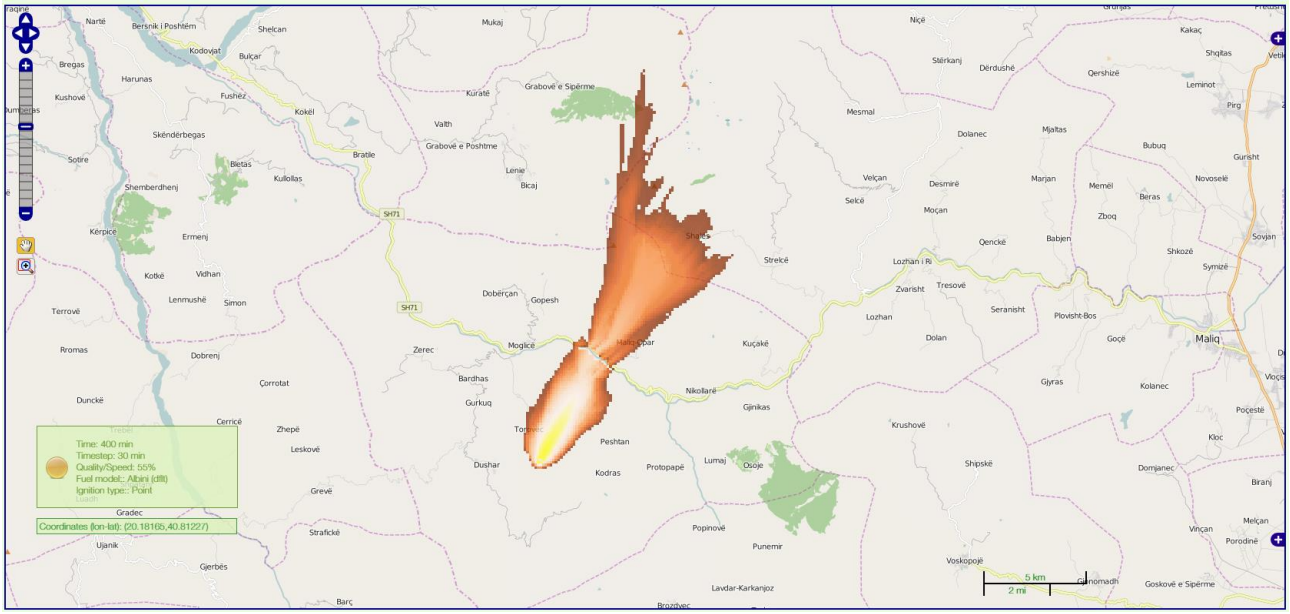
Assignment 7

Step 1: Within AdriaFirePropagator UI, navigate map to coordinates (20.399,40.665)

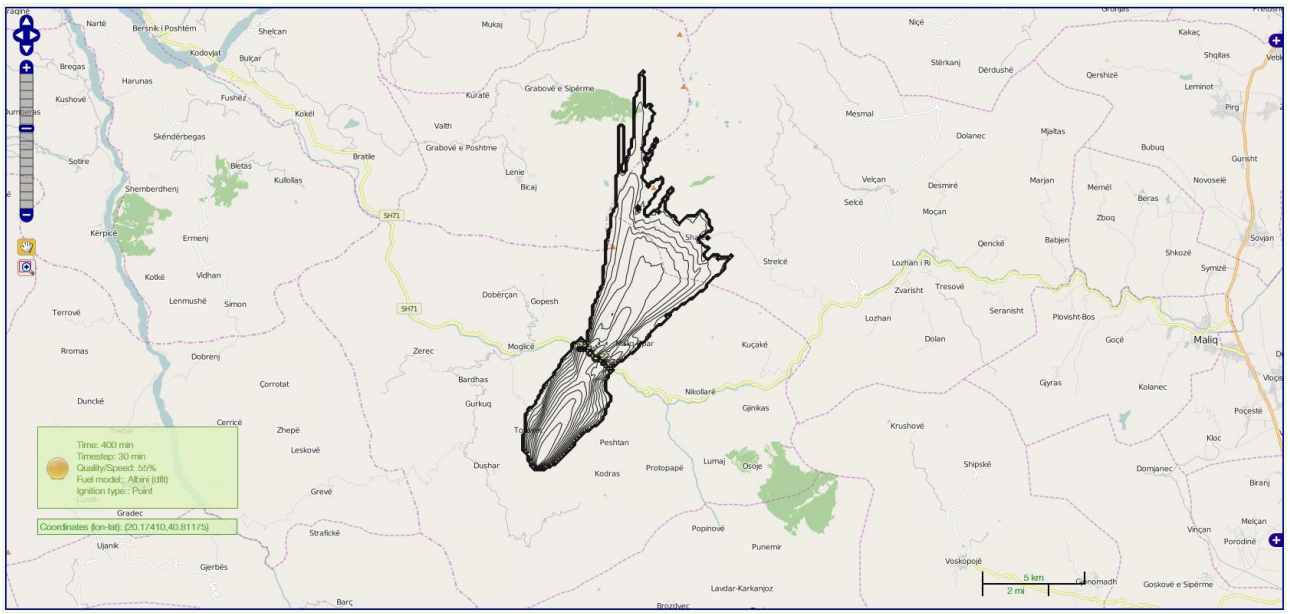
Step 2: Set the following „Simulation properties“:

- Time (min): 400
- Timestep (min): 30
- Speed/Quality: 50%
- Ignition type: Point
- Chosen fuel model: Albini-Anderson (default)

Step 3: Display only fire raster



Step 4: Display only fire vector



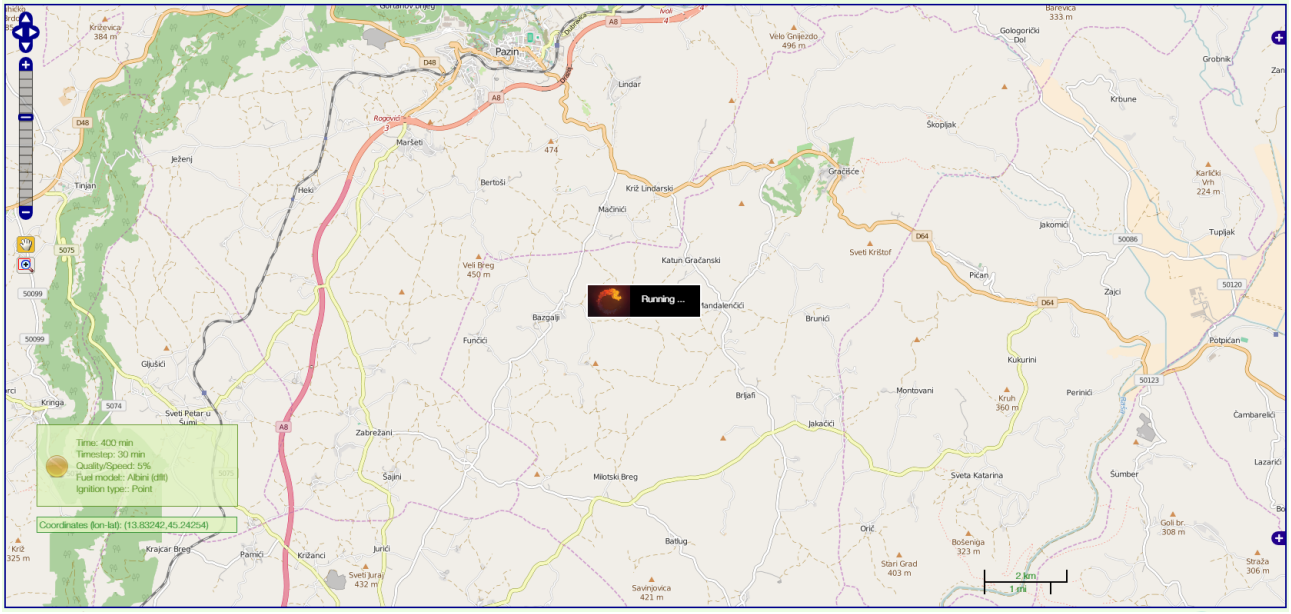
Assignment 8

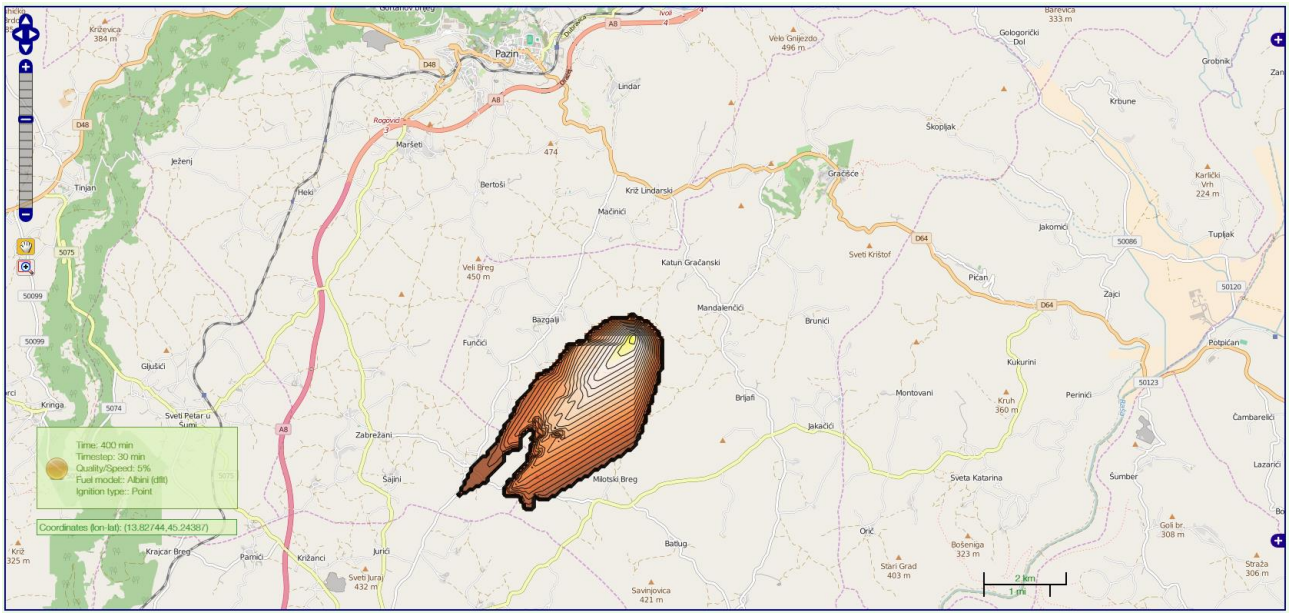
Step 1: In one tab open AdriaFireGIS UI. In one tab open AdriaFirePropagator UI. In both tabs position maps near coordinates (13.965,45.195)

Step 2: Within AdriaFireGIS UI, start simulation (current) at coordinates (13.965,45.195)

- Duration (min): 800
- Fuel model: Albini (default)

Step 3: Immediately open AdriaFirePropagator UI tab and wait for results.





Assignment 9

Step 1: Within AdriaFirePropagator UI, start simulation (current) withduration 200 at coordinates (15.960,44.955)

Step 2: What CORINE Land cover land use category was burnt the most in this case of wildfire?

Assignment 10

Step 1: Within AdriaFirePropagator UI, start several simulations (current) and interpret colors of fuel models.

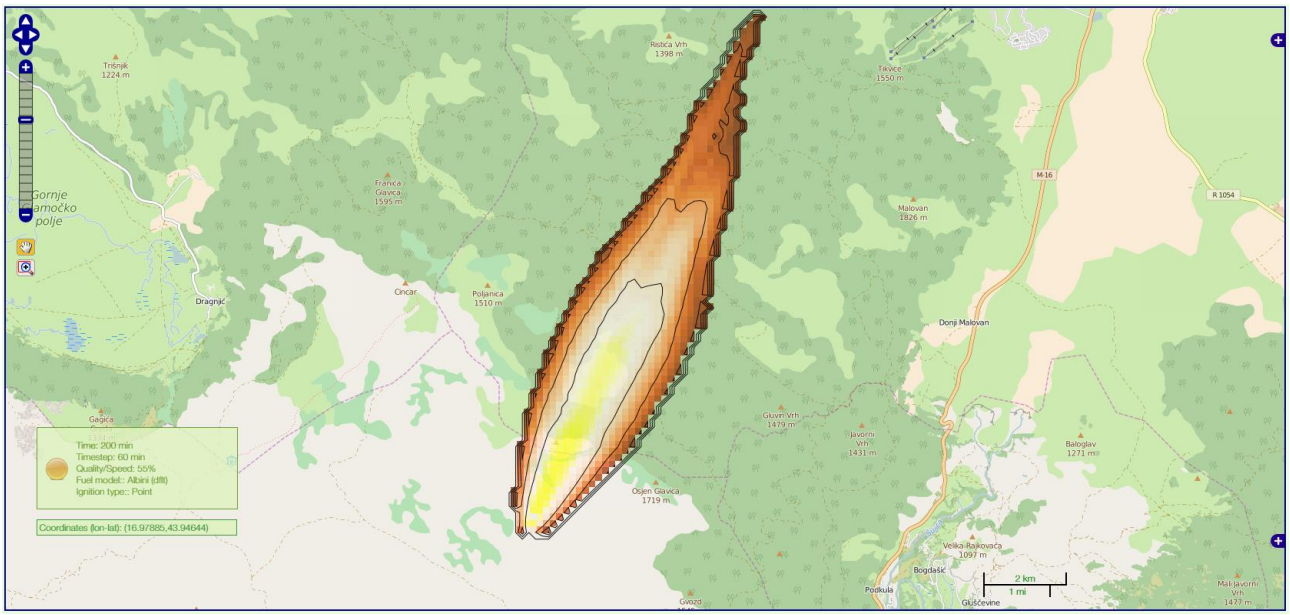
Assignment 11

Step 1: Within AdriaFirePropagator UI, navigate map to coordinates (17.09,43.86)

Step 2: Set the following „Simulation properties“:

- Time (min): 200
- Timestep (min): 60
- Speed/Quality: 50%
- Ignition type: Point
- Chosen fuel model: Albini-Anderson (default)

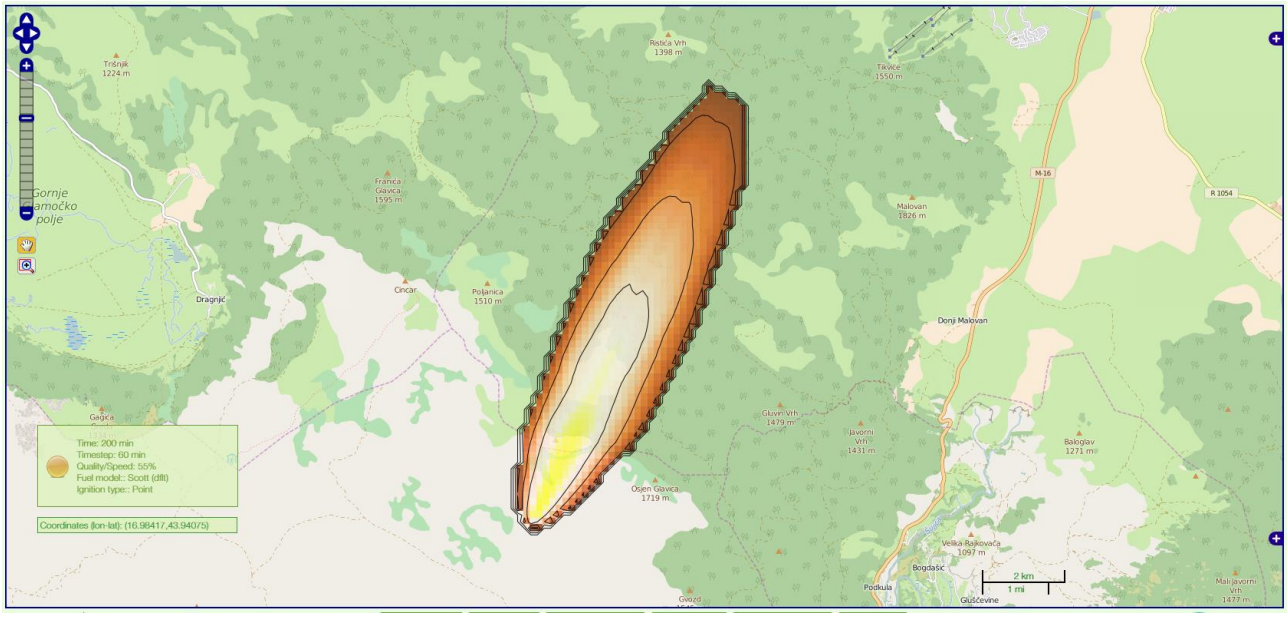
Step 3: Start simulation (current)



Step 4: Change „Simulation properties“ to:

- Time (min): 200
- Timestep (min): 60
- Speed/Quality: 50%
- Ignition type: Point
- Chosen fuel model: Scott-Burgan (default)

Step 5: Start simulation (current) again



Step 6: Check if same results are visible within AdriaFireGIS.

Assignment 12

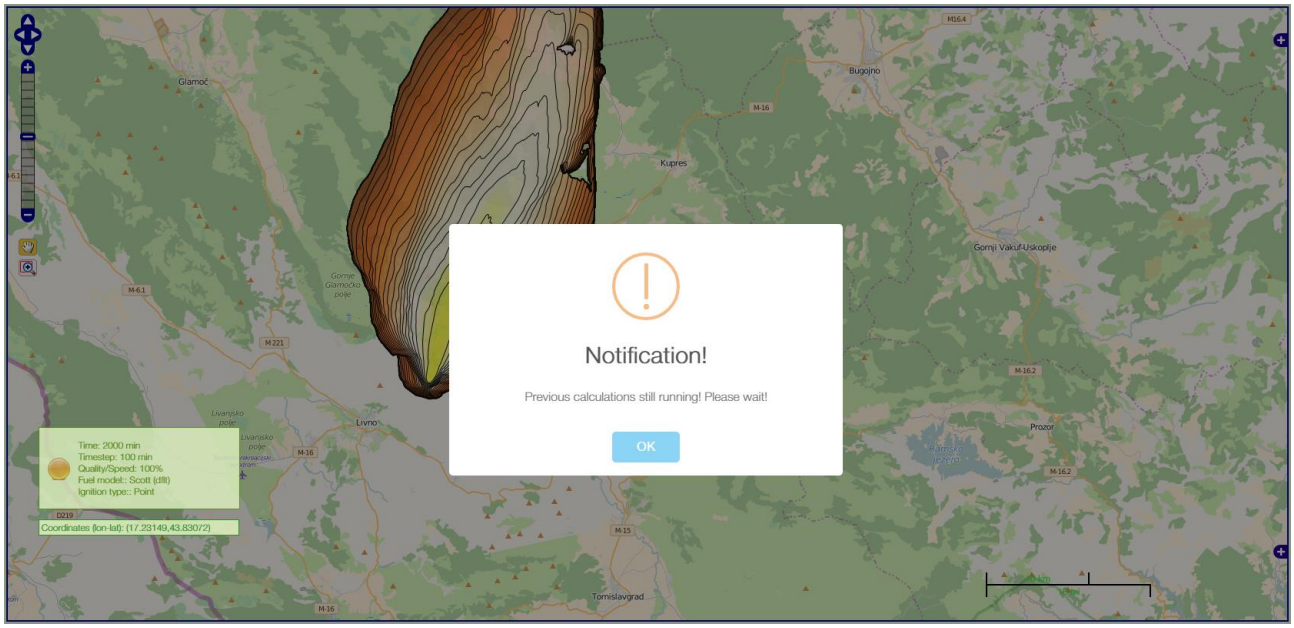
Step 1: Within AdriaFirePropagator UI, navigate map to coordinates (17.09,43.86)

Step 2: Set the following „Simulation properties“:

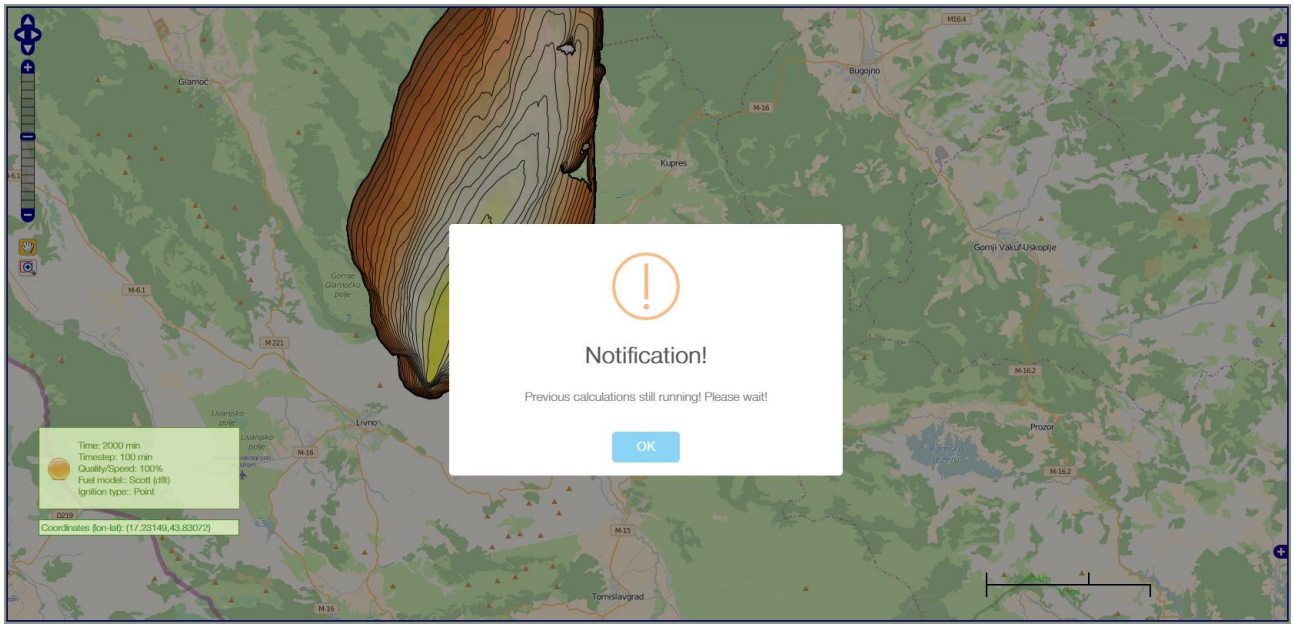
- Time (min): **4000**
- Timestep (min): 100
- Speed/Quality: **100%**
- Ignition type: Point
- Chosen fuel model: Scott-Burgan (default)

Step 3: Begin simulation (current) at coordinates (17.09,43.86)

Step 4: While simulation is still running, try to begin another simulation using same settings



Step 5: Reload AdriaFirePropagator and try to start another simulation (knowing that the previous is still running)



Step 6: Terminate previous calculations by clicking „Terminate“ from the lower menu

Assignment 13

Step 1: Within AdriaFirePropagator UI, start simulation (current) from the sea and wait for the results.

Step 2: Repeat the previous step from the AdriaFireGIS UI.