





Resources for assignments cen be found at: http://propagator.adriaholistic.eu/resources.zip

Assignment 1

Step 1: Within AdriaFirePropagator, use current wind conditions as custom

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: Also, use current moisture conditions as current

Step 4: Start several simulations (current and custom) and check if they provide similar results

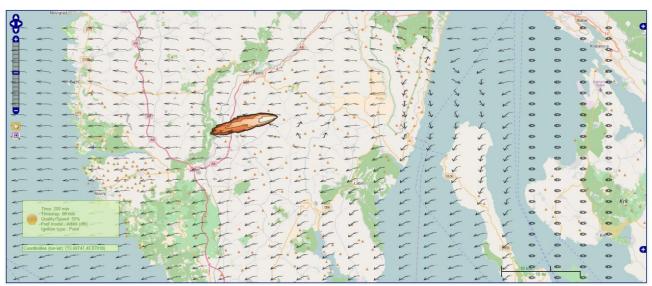
Assignment 2

Step 1: Within AdriaFirePropagator, for wind parameters use the provided meteo file (wind.06).

Step 2: Use 12 UTC hour for forecast.

Step 3: Locate where wind data values exist on the map.

Step 4: Start simulation (custom) at coordinates (13.97, 45.18)





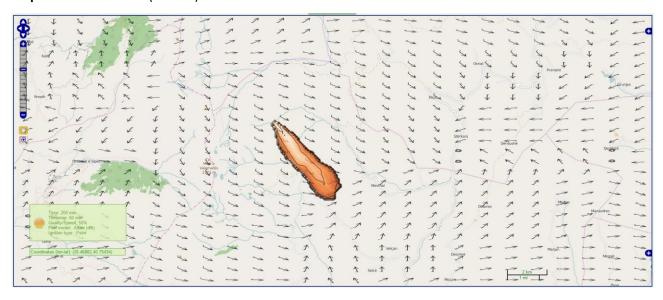




- **Step 1:** Within AdriaFirePropagator, use the same meteo file (wind.06).
- **Step 2:** Check wind changes throughout the day. Use "Refresh" button to refresh results after upload or move map

Assignment 4

- **Step 1:** Within AdriaFirePropagator, for wind parameters use provided ASC files (wind_dir.asc and wind_speed.asc)
- **Step 2:** Locate where wind data values exist on the map.
- Step 3: Start simulation (custom) at coordinates









Step 1: Within AdriaFirePropagator, for wind parameters use:

- Direction: 45 °

- Speed: 50 km/h

Step 2: Locate where wind data values exist on the map.

Step 3: Start simulation (custom) at coordinates (13.08, 43.36.8)





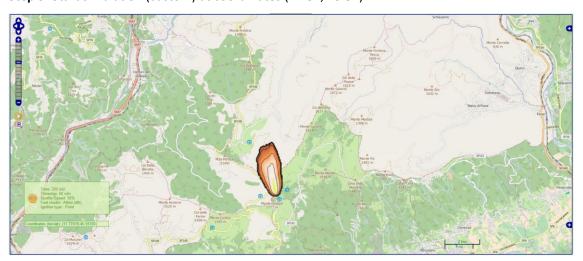




Step 1: Within AdriaFirePropagator, for wind parameters use wind from meteo database for date 22.02.2016. 12 UTC.

Step 2: Locate where wind data values exist on the map.

Step 3: Start simulation (custom) at coordinates (11.81, 45.87)



Assignment 7

Step 1: Within AdriaFirePropagator, for moisture parameters use following data:

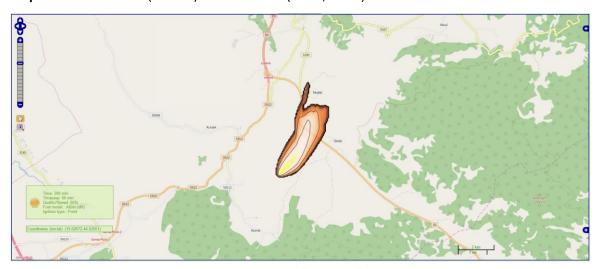
- mois live: 120

- mois 1h: 8

- mois 10h: 9

- mois 100h: 10

Step 2: Start simulation (custom) at coordinates (15.75, 44.47)









Step 3: Now, for moisture parameters use following data:

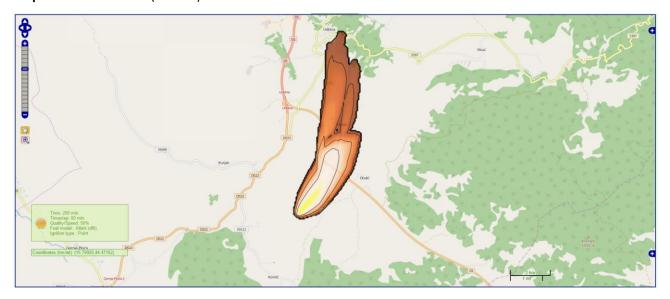
- mois live: 22

- mois 1h: 4

- mois 10h: 5

- mois 100h: 6

Step 4: Start simulation (custom) at same coordinates



Assignment 8

Step 1: Within AdriaFirePropagator, select Albini-Anderson (custom) fuel model

Step 2: Run a successful simulation (custom)

Step 3: Run a successful simulation (current)

Assignment 9

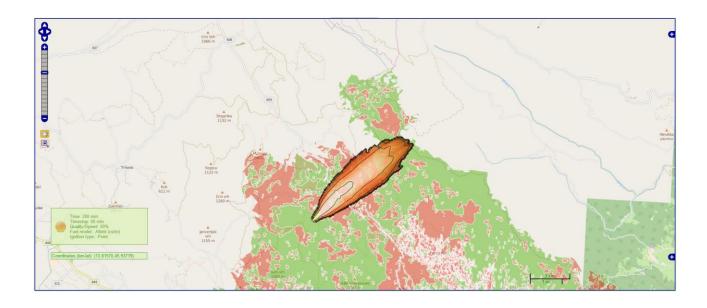
Step 1: Compare Albini-Anderson (default) and Albini-Anderson (custom) layers



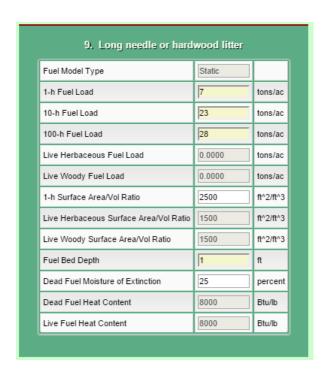




- Step 1: Within AdriaFirePropagator, select Albini-Anderson (custom) fuel model
- Step 2: Run simulation (custom) at coordinates (13.830, 45.955)



Step 3: Change category 3 of Albini-Anderson (custom) fuel parameters to:

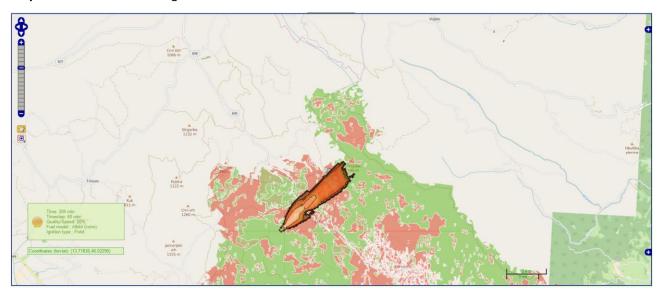








Step 4: Run the simulation again:



Step 5: Reset Albini-Anderson (custom) fuel parameters to default.

Step 1: Within AdriaFirePropagator, start simulation (custom) around (18.2, 42.9)

Step 2: Start simulation (current) at same coordinates.

Step 3: Why are there no results

Assignment 13

Step 1: Set the following "Simulation properties":

- Time (min): 200

- Timestep (min): 60

Speed/Quality: 50%

Ignition type: Point

- Chosen fuel model: Scott-Burgan (default)

Step 2: Choose any desirable wind data

Step 3: Choose any desirable moisture data

Step 4: Start any simulation using fire fronts







- **Step 1**: Choose any desirable wind, moisture, fuel model data and any desirable simulation properties.
- Step 2: Start any simulation using fire barriers

Assignment 15

- **Step 1**: Choose any desirable wind, moisture, fuel model data and any desirable simulation properties.
- **Step 2**: Start any simulation using both fire fronts and fire barriers

Assignment 16

- **Step 1**: Choose any desirable wind, moisture, fuel model data and any desirable simulation properties.
- Step 2: Draw any desirable fire front
- **Step 3:** Start simulation, but choose point as ignition (ignoring the fire fronts)

Assignment 17

- **Step 1:** Use moisture data from resources for custom moisture parameters.
- Step 2: Use wind data (ASC) from resources for custom wind parameters.
- Step 3: Start several successful simulations