



2km

Time



Layers

Project Layers

- Fire sources
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

Outdoors

- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	20917.23
Flame height	maximum	7.53

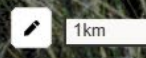
Control: Undisturbed grassland

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Grass curing: 80%



Arrival time isochrones

- 13:00
- 13:00
- 12:30
- 12:00
- 11:30
- 11:00
- 10:30
- 10:00
- 09:30
- 09:00 1st Jan



Time 01/01/2023 09:00

Layers

Project Layers

- Fire sources
- > Disruptions
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- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

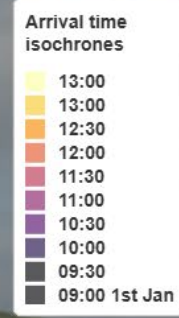
Output Data

Fire intensity	maximum	11523.79
Flame height	maximum	5.72

Test: Undisturbed grassland (humid)

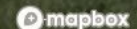
- Relative humidity: 60%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Grass curing: 80%





2km

Time 01/01/2023 09:00



Layers

Project Layers

- Fire sources
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	17641.94
Flame height	maximum	6.96

Test: Grazed/Cut grassland

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Grass curing: 80%





2km

Time 01/01/2023 09:00



Layers

Project Layers

- Fire sources
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- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

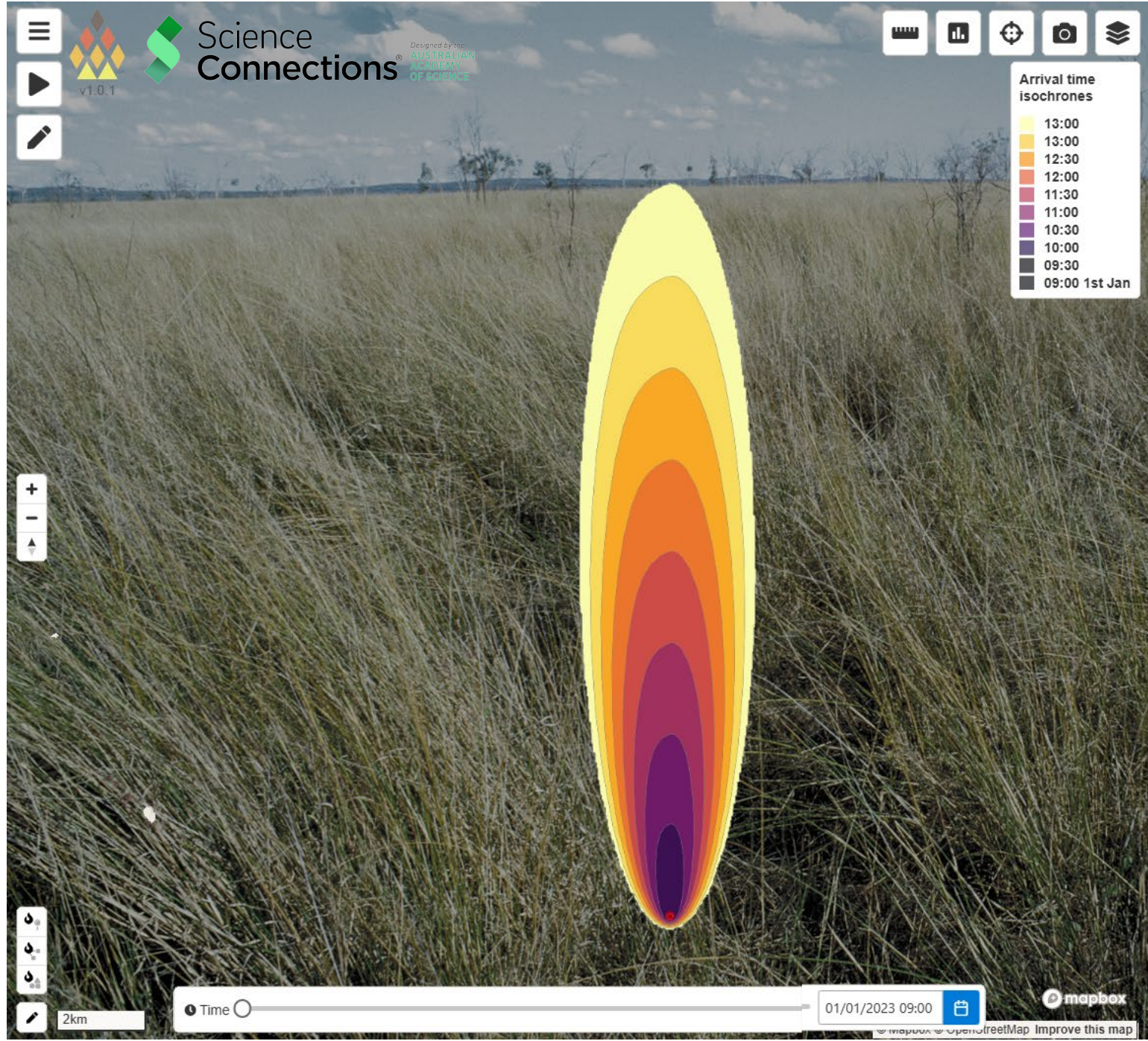
- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	20917.23
Flame height	maximum	7.53

Test: Grassland burned 12 months prior

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Grass curing: 80%





2km

Time 01/01/2023 09:00

Layers

Project Layers

- Fire sources
- > Disruptions
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- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

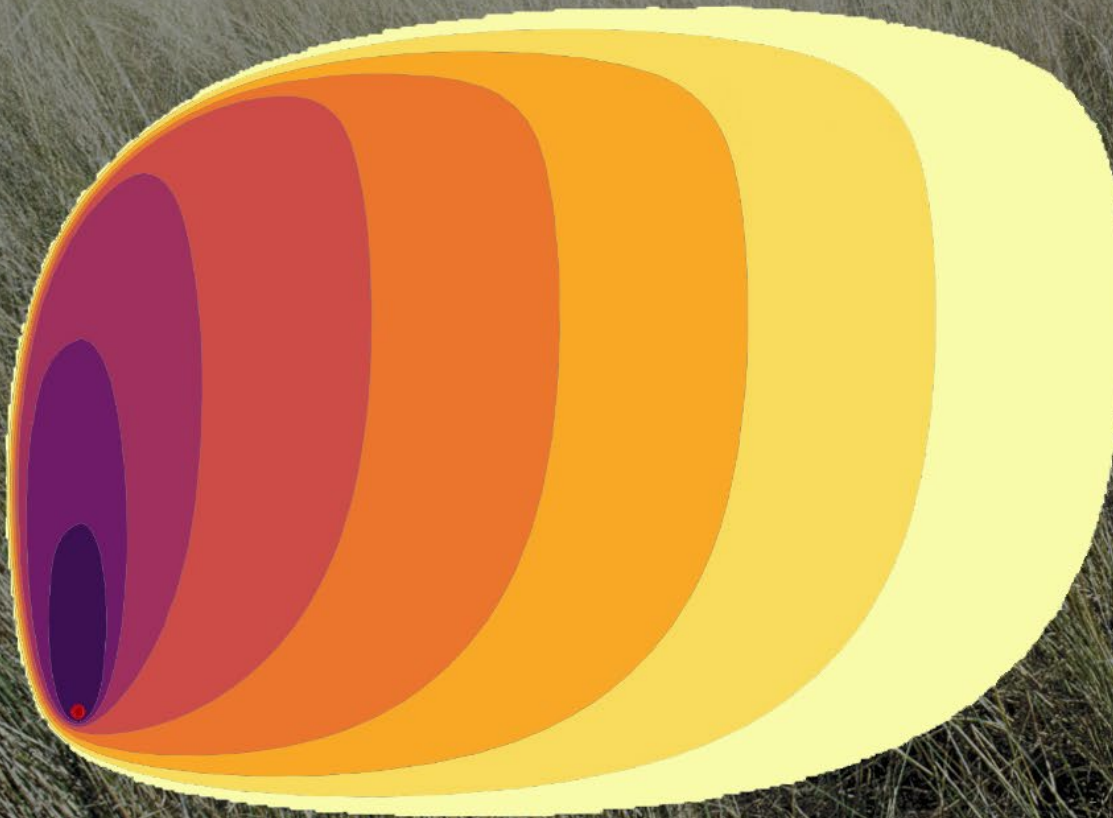
Output Data

Fire intensity	maximum	30554.17
Flame height	maximum	8.96

Test: Undisturbed grassland (windy)

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 30 km/h
- Wind direction: South
- Grass curing: 80%





1km

Time 01/01/2023 09:00



Layers

Project Layers

- Fire sources
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

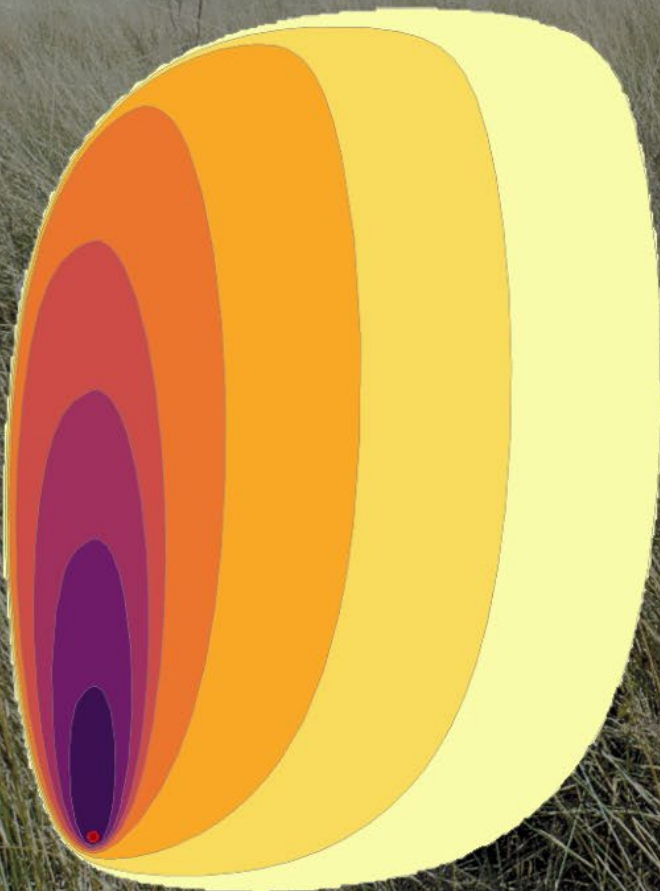
- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	20917.23
Flame height	maximum	7.53

Test: Undisturbed grassland (wind change 1)

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South with a westerly change
- Grass curing: 80%



1km

Time 01/01/2023 09:00



Layers

Project Layers

Fire sources

- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services

Weather

Selected Layer Options

Map Base Layer

Outdoors

Show Contours

Lock Map View

Output Data

Fire intensity	maximum	20917.23
Flame height	maximum	7.53

Test: Undisturbed grassland (wind change 2)

Relative humidity: 20%

Temperature: 30°C

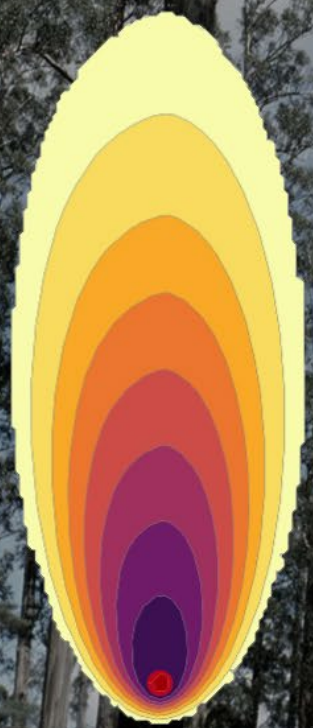
Wind speed: 20 km/h

Wind direction: South with a westerly change

Grass curing: 80%

Arrival time isochrones

- 13:00
- 13:00
- 12:30
- 12:00
- 11:30
- 11:00
- 10:30
- 10:00
- 09:30
- 09:00 1st Jan



Project Layers

- Fire sources 👁
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather 🔇

Selected Layer Options

Map Base Layer

Outdoors ▾

Show Contours

Lock Map View

Output Data

Fire intensity	maximum	9620.11
Flame height	maximum	5.27

Control: Eucalyptus bushland

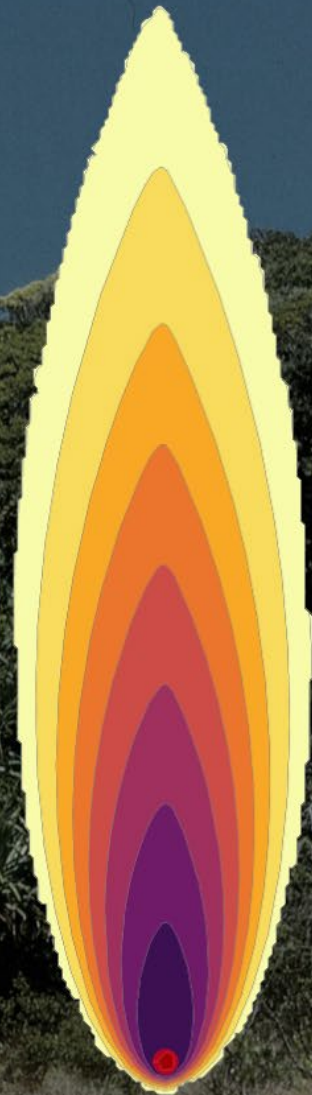
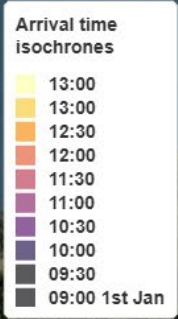
Relative humidity: 20%
Temperature: 30°C
Wind speed: 20 km/h
Wind direction: South
Topography: flat
Surface fuel hazard score: 3
Near-surface fuel hazard score: 3
Near-surface fuel height: 25cm

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500m

Time ○ 01/01/2023 09:00 📅









500m


 Time 01/01/2023 09:00

Layers

Project Layers

- Fire sources 
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather 

Selected Layer Options

Map Base Layer

Outdoors 

Show Contours
 Lock Map View

Output Data

Fire intensity	maximum	18844.14
Flame height	maximum	7.18

Test: Eucalyptus bushland (10° uphill)

Relative humidity:	20%
Temperature:	30°C
Wind speed:	20 km/h
Wind direction:	South
Topography:	10 degree upslope to the north
Surface fuel hazard score:	3
Near-surface fuel hazard score:	3
Near-surface fuel height:	25cm



Science Connections

Designed by the AUSTRALIAN ACADEMY OF SCIENCE



500m

Time 01/01/2023 09:00

mapbox

Layers

Project Layers

- Fire sources
- > Disruptions
- > Fuel data
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- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	6415.62
Flame height	maximum	4.37

Test: Eucalyptus bushland (10° downhill)

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Topography: 10° downhill to the north
- Surface fuel hazard score: 3
- Near-surface fuel hazard score: 3
- Near-surface fuel height: 25cm



Science Connections

Australian Academy of Science

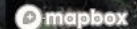


- Arrival time isochrones
- 13:00
 - 13:00
 - 12:30
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 - 10:30
 - 10:00
 - 09:30
 - 09:00 1st Jan



500m

Time 01/01/2023 09:00



Layers

Project Layers

- Fire sources
- > Disruptions
- > Fuel data
- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

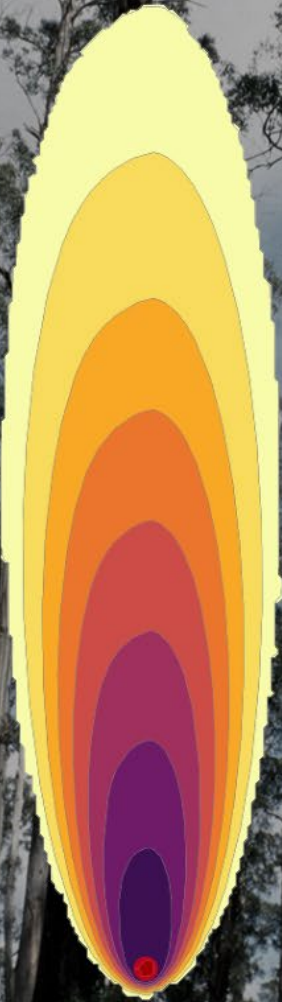
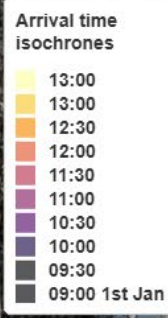
Output Data

Fire intensity	maximum	1317.07
Flame height	maximum	2.11

Test: Eucalyptus bushland (recently burned)

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Topography: flat
- Surface fuel hazard score: 1
- Near-surface fuel hazard score: 1
- Near-surface fuel height: 10cm





Layers

Project Layers

- Fire sources
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- > Fire perimeter
- > Output data
- > Firebrands
- > Web services
- Weather

Selected Layer Options

Map Base Layer

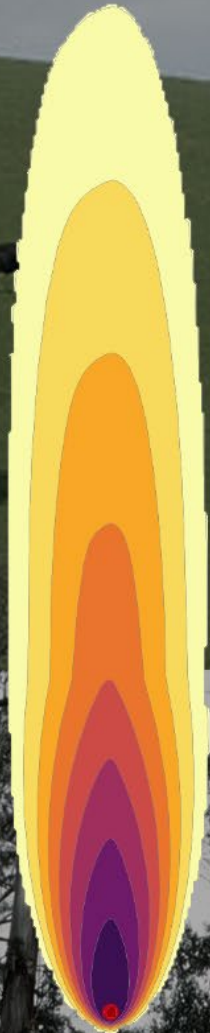
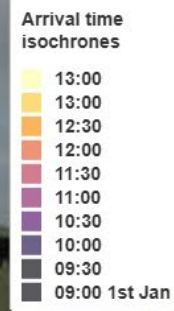
- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	14690.67
Flame height	maximum	6.4

Test: Eucalyptus bushland (windy)

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 30 km/h
- Wind direction: South
- Topography: flat
- Surface fuel hazard score: 3
- Near-surface fuel hazard score: 3
- Near-surface fuel height: 25cm



Layers

Project Layers

- Fire sources
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- > Fire perimeter
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- > Web services
- Weather

Selected Layer Options

Map Base Layer

Outdoors

Show Contours

Lock Map View

Output Data

Fire intensity	maximum	17641.94
Flame height	maximum	6.96

Unknown 1

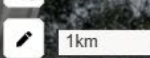
Relative humidity: 20%

Temperature: 30°C

Wind speed: 20 km/h

Wind direction: South

Topography:





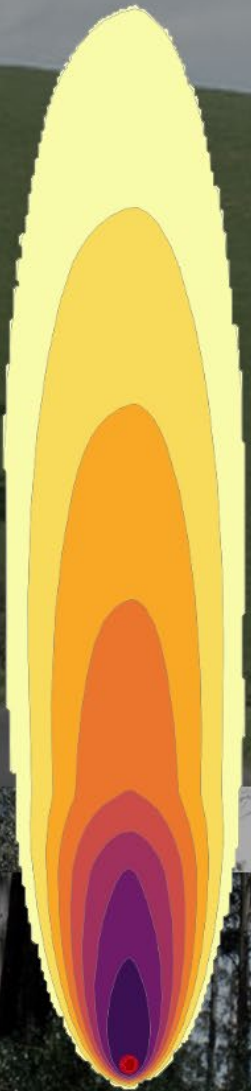
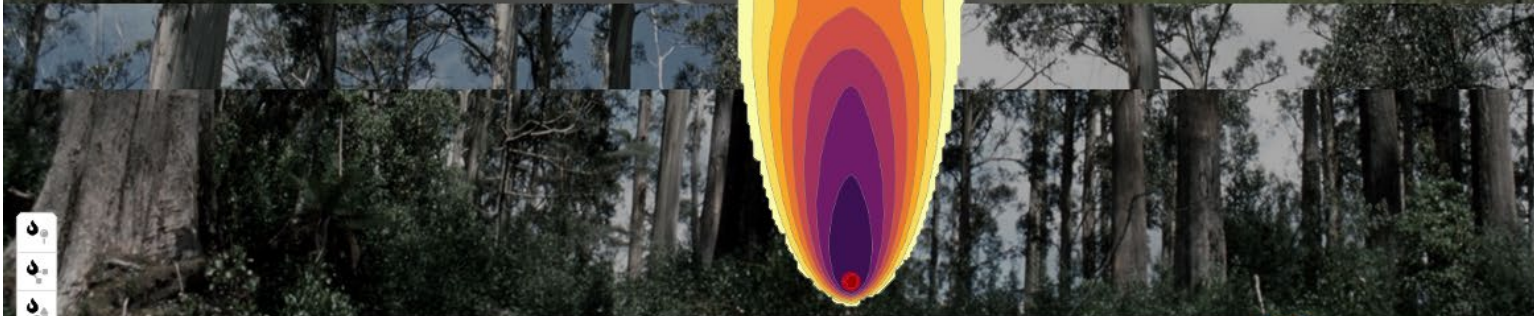
Science Connections

Designed by the AUSTRALIAN ACADEMY OF SCIENCE



Arrival time isochrones

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- 11:00
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Layers

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- Weather

Selected Layer Options

Map Base Layer

Outdoors

- Show Contours
- Lock Map View

Output Data

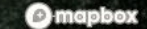
Fire intensity	maximum	17641.94
Flame height	maximum	6.96

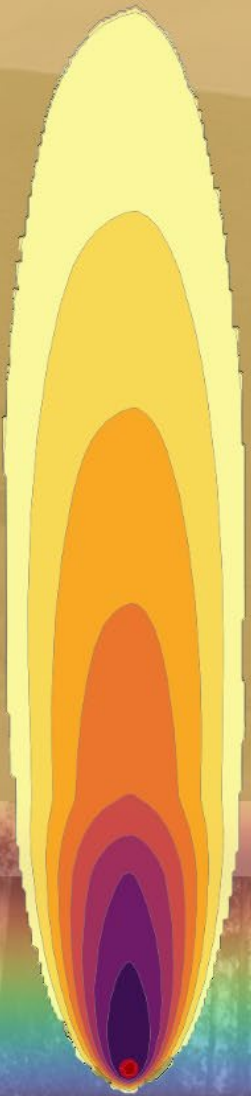
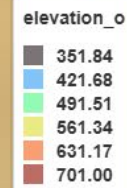
Unknown 2

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Topography:

1km

Time 01/01/2023 09:00





Layers

Project Layers

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- > Fuel data
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- > Web services
- Weather

Selected Layer Options

Map Base Layer

- Outdoors
- Show Contours
- Lock Map View

Output Data

Fire intensity	maximum	17641.94
Flame height	maximum	6.96

Unknown 2

- Relative humidity: 20%
- Temperature: 30°C
- Wind speed: 20 km/h
- Wind direction: South
- Topography: