



# 3D Kortasjá

User manual

Þakgil Gestamóttaka

# Contents

*This guide presentation walks you through the key features and tools of the web map application.*

## Overview

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## Mouse control



You can change the mouse controls for panning and rotating.

In the upper left corner of the scene, click the Rotate button. Doing so switches the controls so the left mouse button rotates and the right mouse button pans.

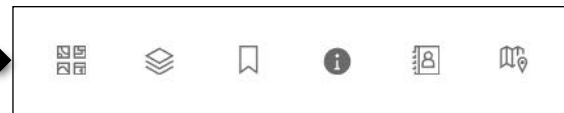
You can switch the control scheme back to the default by clicking the Pan button.

# Available menu and tools



Ramma Þrívíddarkort

2



1

- 1 Basic control tools
- 2 Main menu
- 3 Map tools
- 4 Camera position info

3



4

Height above terrain: 408102.12 meters  
Tilt angle: 45.90 degrees



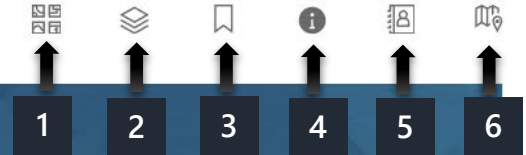
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# Main menu



Ramma Þrívíddarkort



- 1 Base maps menu
- 2 Data layer
- 3 Bookmarks
- 4 Information about the map
- 5 Open the user manual
- 6 Open 2D visibility map

Reykjanesgarður I

Mosfellsheiðarvirkjun II

Hrútmúlavirkjun

Alvíðra

Hrútavirkjun

Garpsdalur

Vindheimavirkjun

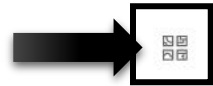
Hnótasteinn

Height above terrain: 408102.12 meters  
Tilt angle: 45.90 degrees





# Base maps

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1: Activate/Deactivate tool



Select base map

-  Navigation  
3D beta
-  Navigation (Dark)  
3D beta
-  Topographic  
3D beta
- 



Height above terrain: 408102.12 meters  
Tilt angle: 45.90 degrees



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# Data layer



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1: Activate/Deactivate tool



3: See layer information

Upplýsingar

Númer	R4307A
Virkjunarkostur nafn	Mosfellsheiðarvirkjun II
Lögaðili aðili	Zephyr Iceland
Áætlað afl (MW)	75
Orkugeta (GWst/ári)	290
Framleiðsla bil (MW)	6
Hagkvæmnisflokkur	2

Zoom to

2: Left-click on point/ layer label

Select group(s) & layer(s) for visibility

- ▶  Garpsdalur
- ▶  Hnotasteinn
- ▶  Hrútavirkjun
- ▶  Hrútmúlavirkjun
- ▶  Mosfellsheiðavirkjun I
- ▼  Mosfellsheiðavirkjun II
  - Upplýsingar
  - Vindtúrbinur
  - Vinnusvæði
- ▶  Reykjanesgarður I
- ▶  Reykjanesgarður II
- ▶  Sólheimar

Height above terrain: 401.24 meters  
Tilt angle: 91.86 degrees



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# Bookmarks

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1: Activate/Deactivate tool



2: Save the current view as a bookmark

New bookmark  Create

The bookmark widget shows different views of the scene, i.e.:

- layer visibility,
- different base maps,
- weather simulation....

It only reads the slides captured in the web scene and temporary save them.

**Note** that the scene is not saved to a permanent location; if the browser window is closed or restored, all information are lost.

3: Navigate through different view

	view 4	
	view 3	
	view 2	
	view 1	

Height above terrain: 1.71 meters  
Tilt angle: 87.62 degrees



# Map tools



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- 1 Search widget
- 2 Measure distance
- 3 Measure area
- 4 Weather simulation
- 5 Daylight simulation
- 6 Line of sight



Reykjanesgarður I

Garpsdalur

Hrútavirkjun

Alviðra

Mosfellsheiðarvirkjun II

Hrútmúlavirkjun

Hnótasteinn

Vindheimavirkjun

Height above terrain: 408102.12 meters  
Tilt angle: 45.90 degrees



# Search widget

The screenshot shows a map application interface. At the top left, there is a logo and the text "Ramma þrívíddarkort". On the left side, there is a vertical toolbar with icons for navigation and zoom. The main map area shows a 3D view of a coastal landscape with a search widget overlaid. The search widget has a search bar with the text "Akranes, Akraneskaupstaðir" and a search icon. Below the search bar, there is a list of search results. A callout box labeled "3" points to the search bar, and another callout box labeled "4" points to the search results list. In the bottom right corner, there is a white box containing the text "Height above terrain: 1631.34 meters" and "Tilt angle: 84.67 degrees".

Ramma þrívíddarkort

Search result

Akranes, Akraneskaupstaður, Vesturland

Zoom to

Akranes, Akraneskaupstaðir

Akranes, Vesturland, ISL

Akranes, Akraneskaupstaður, Vesturland, ISL

Akranesviti, 300, Akranes, Akraneskaupstaður, Vesturland, ISL

Akraneskaupstaður, Vesturland, ISL

Akraneskirkja, Skólabraut, 300, Akranes, Akraneskaupstaður, Vesturland, ISL

1 Activate/Deactivate tool

2 Search for location

3 Select from the list

4 See the result

Height above terrain: 1631.34 meters  
Tilt angle: 84.67 degrees

# Measure distance

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Measure distance

Unit: Metric

Direct: 104.27 m

Horizontal: 74.64 m

Vertical: 72.81 m

New measurement

Height above terrain: 80.38 meters  
Tilt angle: 79.74 degrees

- 1 Activate/Deactivate tool
- 2 Point mouse to point A, left-click
- 3 Point mouse to point B, left-click
- 4 Select units
- 5 Start new measurement



# Measure area



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- 1 Activate/Deactivate tool
- 2 Select corner points, left-click
- 3 Double left-click to complete the shape
- 4 Select units
- 5 Start new measurement

**Measure area**

Unit  
Metric

Area  
142,893.71 m<sup>2</sup>

Perimeter  
1,567.34 m

New measurement



Holtastaðakirkja

Height above terrain: 1101.07 meters  
Tilt angle: 76.50 degrees



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# Weather simulation

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**Weather**

2 [Sun] [Sun & Cloud] [Cloud] [Snow] [Sun & Rain] 1


Cloud cover

3 [Slider bar]

Precipitation

4 [Slider bar]

- 1 Activate/Deactivate tool  
If not visible → Increase zoom
- 2 Select weather condition
- 3 Select cloud cover
- 4 Select intensity

 Weather is only visible at lower altitudes.

Height above terrain: 1.71 meters  
Tilt angle: 89.20 degrees

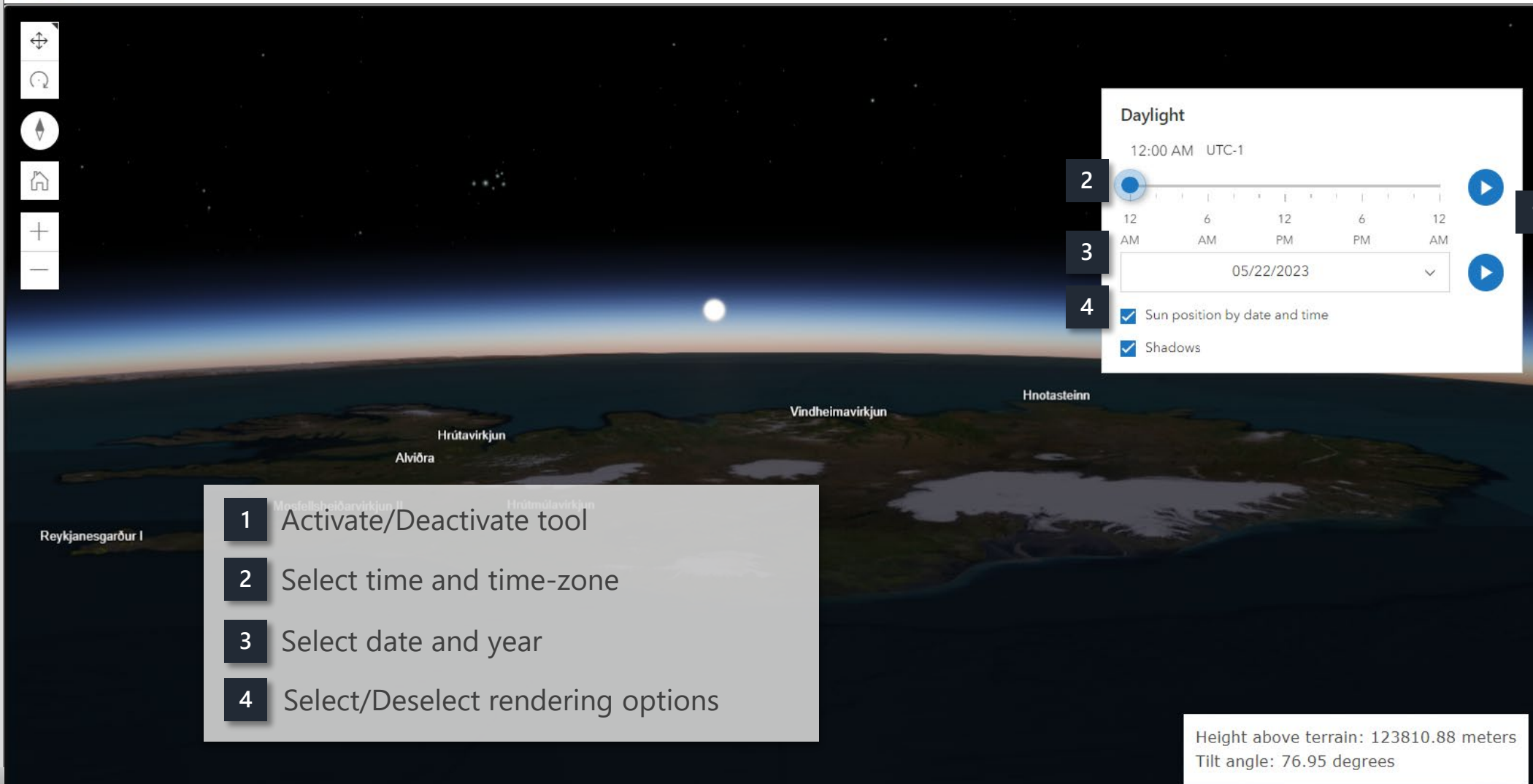


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# Daylight simulation



Ramma þrívíddarkort



**Daylight**  
12:00 AM UTC-1

2 [Slider bar]

3 [Time selection: 12 AM, 6 AM, 12 PM, 6 PM, 12 AM]

4 [Date selection: 05/22/2023]

Sun position by date and time  
 Shadows

1 [Sun icon]

- 1 Activate/Deactivate tool
- 2 Select time and time-zone
- 3 Select date and year
- 4 Select/Deselect rendering options

Height above terrain: 123810.88 meters  
Tilt angle: 76.95 degrees



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# Line of sight

Ramma þrívíddarkort

- 1 Activate/Deactivate tool
- 2 Start new analysis by "New analysis"
- 3 Place observer position, left click
- 4 Place multiple target positions, left click
- 5 Complete analysis by "Done"

Line of Sight

Done

New analysis



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