

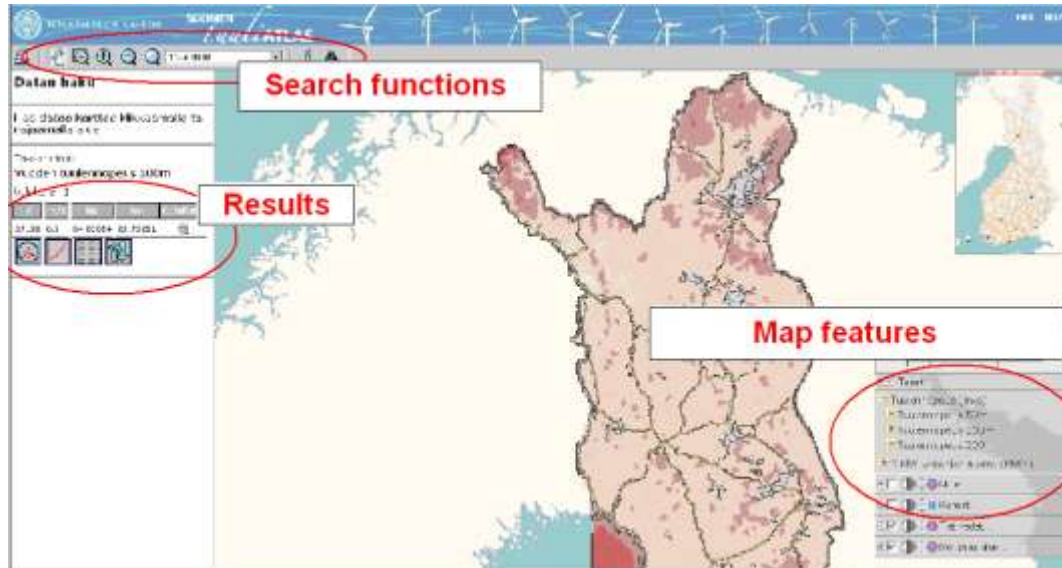
Updated: 28.3.2010

FINNISH
wind ATLAS

USER MANUAL

Wind Atlas Map interface

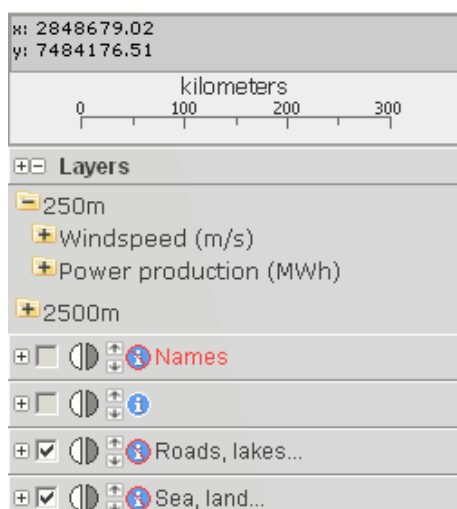
The map interface can be accessed directly at <http://tuuliatlas.fmi.fi/en> or using the link at www.windatlas.fi.



Picture 1. Map interface

Map features

Best way to start exploring wind conditions is defining features shown on the map. This can be done in the menu on the lower right hand corner of the view. The first step is to choose the resolution (250m x 250m or 2.5km x 2.5km cells). The 250m x 250m resolution doesn't cover the whole country. After that you have to choose between wind speed and power production (3MW turbine) and determine the time scale. The results can be viewed on monthly or annual basis.



Picture 2. Feature menu

Search functions

Buttons in the top menu are used in finding locations. For example, the zoom and other functions work the same way as in most map programs (2). Map search based on name of the municipality is also possible (4). The print button (1) allows you to download map images e.g. in JPEG format. Information button (3) is used to get detailed information in a single or in a number of cells.



Picture 3. Search menu

Results

After selecting a cell (with the information button), a result table is opened in left side of the view. It allows more detailed examination of wind conditions. Average speed of the wind or power production figure of the cell is shown in the table. The table also shows the GPS coordinates (center of the cell). Wind rose (5) and wind profile (6) of the cell can also be examined and Lib files (8) downloaded from the menu. Excel table of detailed information about the wind conditions (7) can also be downloaded.

Layer Name:

Annual Windspeed 100m

Cell size:

2500m

results: 1

id	m/s	lat	lon	Zoom to
33873	9.1	63.52014	21.72532	

5. 6. 7. 8.

Picture 4. Result table and menu