

AEGIS 3 viewer software

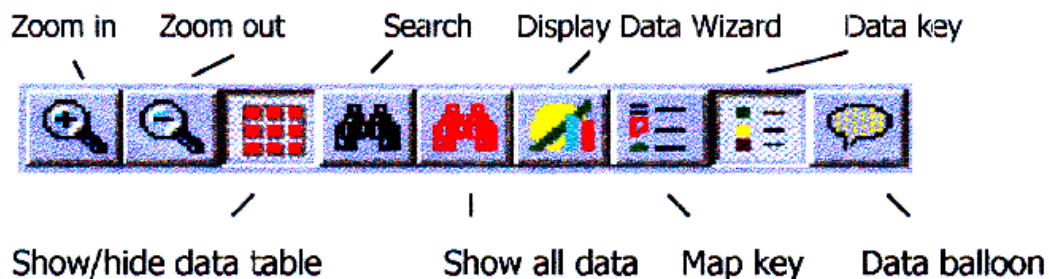
General

AEGIS 3 viewer is a cut-down version of the full AEGIS 3 software and gives access to two of the active worksheets: *Investigating microclimate around the school* and *How is the Italian economy changing? – 3: Infant mortality*.

In the viewer software **you will not be able to edit, print, save or copy**.

When running the worksheets only the map is active; all other boxes are locked and cannot be altered.

Reference should be made to the toolbar shown below.



The interactive worksheets provide instruction to fulfil the lesson; however, with no experience of the software, the instruction may not be enough. This instruction provides a lower entry level of knowledge.

It is important to start and finish each worksheet at one sitting. If you close the worksheet and then reopen, start again at the beginning of the worksheet.

Worksheet 1 Microclimate

Worksheet 2a Italian economy – infant mortality

Worksheet 2b Italian economy – GDP

Using the worksheets

Activate the AEGIS 3 by double clicking the Aegis.exe icon or, on the desktop, click Start, then Programs, Aegis and then Aegis.exe.

Worksheet 1: Investigating microclimate around the school


- To load the worksheet click on File – open.
- The dialogue box called *open* will appear.
- Navigate to the following directory: Program files\Advisory Unit\AEGIS3\samples\Fieldwork
- Highlight microclimate.aed and click open.

The interactive worksheet for the microclimate should appear.

The interactive worksheet has the following elements: a map box with Ordnance Survey Land-Line® data, introductory text, a searchable table and a text box with activity instructions.


Activities

1 Show the temperature at each site

- Make sure the map is active. To activate the map click within it and border shading will appear to show that it has been activated.
- Choose the Display Data Wizard button,  the *Display Data Wizard Introduction* dialogue box appears. Click Next.
- In the *Which data to display?* dialogue box put the black dot in the charts radio button. Then click Next.
- In the *Choosing Fields* dialogue box click in the box by temperature. A tick should appear. Then click Next.
- The *Choose label* dialogue box is not mandatory. Just click Next.
- In the *Choosing Charts* dialogue box make sure that the Bar Chart radio button is highlighted. Change the Maximum chart size (mm) to 10. Then click Next.
- In the *Use Current search for range* dialogue box a choice can be made on which values can be used. In this case retain the tick in the box. Then click Next.
- In the *Choosing colours* dialogue box click on a colour of your choice. Then click Next.
- In *Data display name* dialogue box, clear the text and the tick box, then click Next.
- In the *Summary* dialogue box click Finish.

See the effect on the map.

2 Find out which sites have the highest temperature

- Make sure the map is active.
- Click on the search button . *Search the data table Introduction* dialogue box should appear. Click Next.
- In *Choose a field to search* dialogue box, click in the box beside temperature C. Then click next.

- In the *Choose a range for your search* dialogue box move the left-hand slider until the value of 12.0 is displayed. Therefore the range of values is 12.0 and 14.5. Click Next.
- In the *Save your search* dialogue box click Next.
- In the *Summary* dialogue box click Finish.

View the data table. Only values in the range 12.0 to 14.5 are shown in the table and there bars on the map.

(Activities and questions on the active worksheet are optional.)

3 Show the wind speed for each site


Using the steps in Item 1, repeat for wind speed.

4 Find out which sites have the highest wind speed

Using the steps in Item 2, repeat for wind speed, selecting values above 4 on the Beaufort scale.

(Activities and questions on the active worksheet are optional.)

5 Show a bar chart for all the sites and values for temperature and wind speed

- Make sure the map is active.
- Choose the Display Data Wizard button , the *Display Data Wizard Introduction* dialogue box appears. Click Next.
- In the *New or existing display* dialogue box, click the radio button Change an existing data display, then click Next.
- In the *Which data to display?* dialogue box put the black dot in the charts radio button. Then click Next.
- In the *Choosing Fields* dialogue box click in the box by wind speed and temperature C. A tick should appear in each box. Then click Next.
- The *Choose label* dialogue box is not mandatory. Just click Next.
- In the *Choosing Charts* dialogue box make sure that the Bar Chart radio button is highlighted. Change the Maximum chart size (mm) to 20. Then click Next.
- In the *Use Current search for range* dialogue box a choice can be made on which values can be used. In this case remove the tick in the box. All values will be displayed. Then click Next.
- In the *Choosing colours* dialogue box click on the colours of your choice for temperature and wind speed. Then click Next.
- In the *Data display name* dialogue box delete the name highlighted then click Next.
- In the *Summary* dialogue box click Finish.

View your results.

Worksheet 2a: How is the Italian economy changing? – 3: Infant mortality


- To load the worksheet click on File – open.
- The dialogue box called *open* will appear.
- Navigate to the following directory: Program files\Advisory Unit\AEGIS3\samples\Italy
- Highlight Italy Infant Mortality.aed and click open.

The interactive worksheet for the Italy infant mortality should appear.

On the interactive worksheet please note the following:

- The interactive map to the left is of Italy in 1988. The interactive map on the right is Italy in 2000.
- At the bottom of the interactive sheet the table to the left is linked to the map of 1988. The map to the right is linked to the map of 2000.
- If you click and activate each data table you will see that there are scrolling bars as you are only viewing part of the tables.

From question 3 on the interactive worksheet our task is to create similar area shading on the 2000 map to that found on the 1988 map.


- Make sure the 2000 map is active.
- Choose the Display Data Wizard button , the *Display Data Wizard Introduction* dialogue box appears. Click Next.
- In the *Which data to display?* dialogue box put the black dot in the Area shading radio button. Then click Next.
- In the *Choosing Fields* dialogue box click in the box by Infant mortality. A tick should appear. Then click Next.
- The *Choose label* dialogue box is not mandatory. Just click Next.
- In the *Classifying the data for plotting* dialogue box choose Own Choice. Then click Next.
- In the *Use Current search for range* dialogue box a choice can be made on which values can be used. In this case remove the tick in the box. Then click Next.
- In the *Number of classes* dialogue box change the value to 5. Click Next
- In the *Own choice of class boundaries* dialogue box input the following values sequentially from top to bottom and then click Next


(Less than 3, Less than 6, Less than 9, Less than 12 and Less than 14.)

In the *Adding new descriptions* dialogue box check and amend words to describe the ranges. They can be amended to include the decimal point.

(Less than 3.0, From 3.0 to 5.9, From 6.0 to 8.9, From 9.0 to 11.9 and 12.0 or more.)


- In the *Choosing colours* dialogue box click and amend each colour in turn for the range values so as to make each comparable with the 1988 values. Then click Next.
- In the *data display name* dialogue box, clear the name and the tick box, then click Next.
- In the *Summary* dialogue box click Finish.

- With the 2000 map still activated, click on the Data Key button  – this will display the key or legend.

If the colours are not quite right, click the Display data Wizard again  and click through to the colours again. Amend and click through to Finish.

Worksheet 2b: Italian economy – GDP

From question 7 on the active worksheet on the screen, we will create two new maps for GDP Index for both 1988 and 2000.

- Make sure the 1988 map is active.
- Choose the Display Data Wizard button , the *Display Data Wizard Introduction* dialogue box appears. Click Next.
- In the *New or existing display* dialogue box place the radio button against change an existing data display, then click Next.
- In the *Which data to display?* dialogue box put the black dot in the Area shading radio button. Then click Next.
- In the *Choosing Fields* dialogue box click in the box by GDP Index. A tick should appear. Then click Next.
- The *Choose label* dialogue box is not mandatory; however, choose GDP Index and click the box to the left of the text. Just click Next.
- In the *Classifying the data for plotting* dialogue box choose Own Choice, then click Next.
- In the *Use Current search for range* dialogue box a choice can be made on which values can be used. In this case, remove the tick in the box. Then click Next.
- In the *Number of classes* dialogue box change the value to 4. Click Next.
- In the *Own choice of class boundaries* dialogue box input the following values sequentially from top to bottom and then click Next.

(Less than 80, Less than 100, Less than 120, Less than 140.)

In the *Adding new descriptions* dialogue box check and amend words to describe the ranges. They can be amended to include the decimal point.

(Less than 80.0, From 80.0 to 99.9, From 100.0 to 119.9 and 120.0 or more.)

- In the *Choosing colours* dialogue box click and amend each colour in turn for each range. Then click Next.
- In the *Data display name* dialogue box use 'GDP index', keep the tick in the box and click Next.
- In the *Summary* dialogue box click Finish.
- We will see that the Legend or key has been updated.

Now we will create the GDP Index map for 2000.

- Make sure the 2000 map is active.
- Choose the Display Data Wizard button , the *Display Data Wizard Introduction* dialogue box appears. Click Next.

- In the *New or existing display* dialogue box place the radio button by change an existing display, then click Next.
- In the *Which data to display?* dialogue box put the black dot in the Area shading radio button. Then click Next.
- In the *Choosing Fields* dialogue box click in the box by GDP Index. A tick should appear. Then click Next.
- The *Choose label* dialogue box is not mandatory; however, choose GDP Index and click the box to the left of the text. Just click Next.
- In the *Classifying the data for plotting* dialogue box choose Own Choice then click Next.
- In the *Use Current search for range* dialogue box a choice can be made on which values can be used. In this case remove the tick in the box. Then click Next.
- In the *Number of classes* dialogue box change the value to 4. Click Next.
- In the *Own choice of class boundaries* dialogue box input the following values sequentially from top to bottom and then click Next.

(Less than 80, Less than 100, Less than 120 and Less than 140.)

In the *Adding new descriptions* dialogue box check and amend words to describe the ranges. They can be amended to include the decimal point.

(Less than 80.0, From 80.0 to 99.9, From 100.0 to 119.9 and 120.0 or more.)

- In the *Choosing colours* dialogue box click and amend each colour in turn for each range. Make them compatible with the 1988 colours. Click Next.
- In the *Data display name* dialogue box use 'GDP index', keep the tick in the box and click Next.
- In the *Summary* dialogue box click Finish.