

Global Climate Using *climateprediction.net* Visualisation

For a user guide to installing and using the Schools Visualisation Package (SVI) go to

<http://www.climateprediction.net/client/help/vis2.php>

If you have just started running an experiment and want to download a set of data from a finished experiment (NB a very large download, 300Mbytes) go to

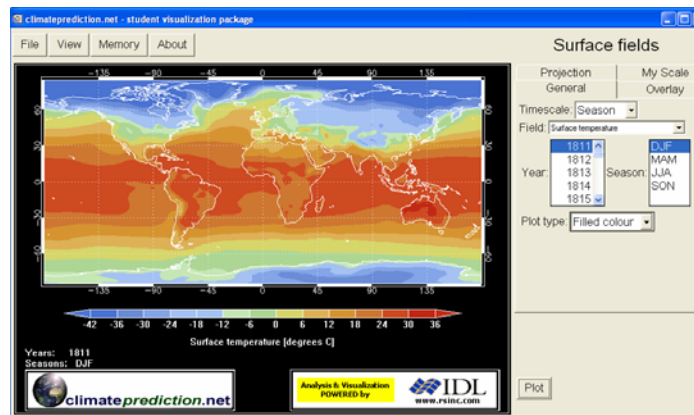
http://www.climateprediction.net/openu/experiment_sample/Expt files.zip

<http://www.climateprediction.net/schools/data/Expt2.zip>

<http://www.climateprediction.net/schools/data/Expt3.zip>

You should put each file in C:\Program Files\ Climate Prediction\archive on your computer and unzip it.

You can select this data set in the SVI by going to ‘change experiment’ in the ‘file’ menu of the top bar of the SVI. Experiment_1 will be the model currently running on your computer.



European Climate

Use the SVI to create images of European climate for all 4 seasons – to do this you will need to select ‘season’ in the timescale menu and all the years in the year menu (except 2050) (hint, use the shift key to select more than one year), as well as zooming in – either by clicking on the map or by selecting the correct region by clicking on the ‘projection’ tab. Save the images as jpgs. Save images of temperature as well as precipitation.

How does European climate change through the year?

World Climate

Use the SVI to create an image of world climate averaged through all 45 years – to do this you will need to select ‘year’ in the timescale menu and all the years in the year menu. Save the images as jpgs. Save images of temperature as well as precipitation.

Can you identify the major climatic zones: Tropical, sub-tropical, desert, temperate, arctic?

Compare the figures generated by selecting the years 1825-1940 to the figures generated by selecting 2050-2065. How does the world’s climate change in your model when carbon dioxide is doubled?