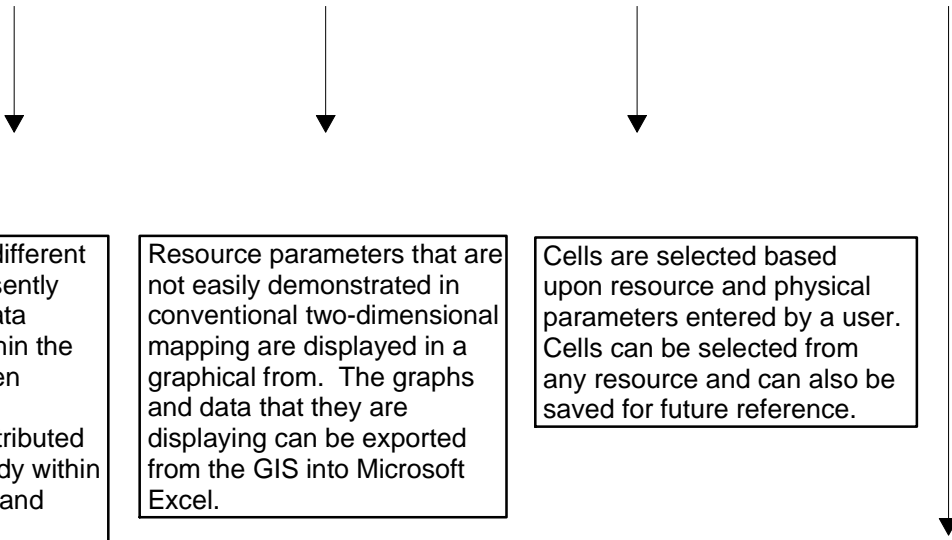
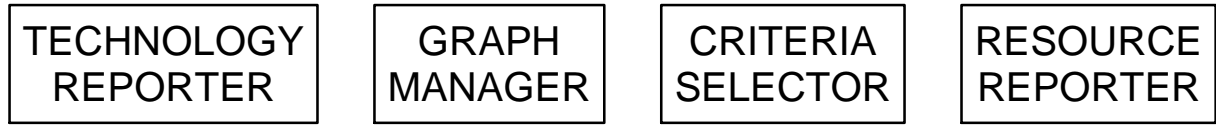


THE ATLAS



Database of the different technologies presently available. The data currently held within the database has been obtained from a questionnaire distributed as part of this study within Europe, America and Australia.

Resource parameters that are not easily demonstrated in conventional two-dimensional mapping are displayed in a graphical form. The graphs and data that they are displaying can be exported from the GIS into Microsoft Excel.

Cells are selected based upon resource and physical parameters entered by a user. Cells can be selected from any resource and can also be saved for future reference.

A report is returned on a selection of cell defined by the GIS user. The report highlights the physical attributes, such as depth range and distance from the land, of the selected area. Further to this the GIS automatically calculates the cells within this area which are suitable for technology deployment. This sub-selection is undertaken using criteria which have been defined in the industry questionnaire and is calculated separately for the three resources. The GIS determines the raw resource and power statistics for the for resource and this information is included in the report. At this stage the efficiency range of the technologies, which was obtained from the industry questionnaire, are applied to generate an estimated power output range for each resource.

Figure 18 - The GIS System

Atlas of UK Marine Renewable Energy Resources

