

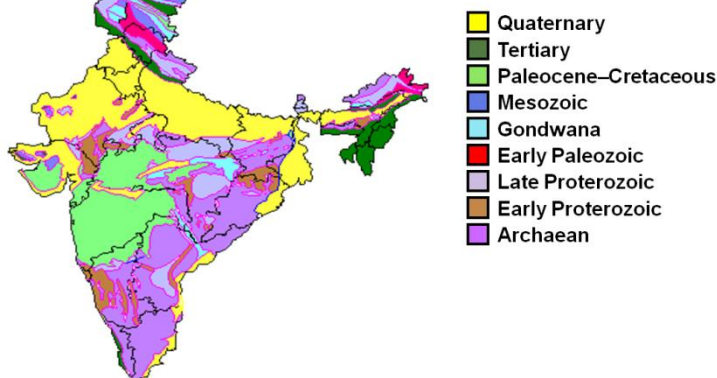
Raster

Description of the project

Rasters are composed of a matrix of cells organised in lines and columns. Each cell contains a value representing a piece of information such as spectral data (aerial photographs or satellite images), the temperature, the altitude, land occupation etc. Very often, in a Geographic Information System (GIS), **aerial photographs** or **satellite images** are used as a **background**. Furthermore, rasters (altitude data etc) are also used to conduct **spatial analyses** such as streamflow. OSCARS can help you to store your rasters in Oracle and integrate them into your GIS.

Illustrations

Geological map of India



Source: Training Oracle Spatial Advanced, chap. 1

Aerial photographs of the Marche-les-Dames region (Belgium)



Source : IGN

Technologies and prerequisites

- Oracle Database Enterprise Edition
- Oracle Spatial Option
- Visualisation software (Oracle MapViewer etc)
- Aerial photographs, satellite images, digital images, digitalised maps

References

Service Public de Wallonie

Kit for implementation of the project

- Trainings : Oracle Spatial Advanced or a custom OSCARS course (1 to 5 days)
- Loading rasters (1 to 3 days)
- Integration of rasters into an existing GIS (depending on needs)

The number of days indicated is for guidance. Each project is different and may require a variable number of days. An estimate is required before the beginning of each project. In addition, this kit enables implementation of the project so that the customer can subsequently carry out the project autonomously. It is not an A to Z assessment of the project.

OSCARS: Oracle Spatial Consulting And Resourcing Services

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