

# Web Services

## Description of the project

Web Map Services (**WMS**), Web Feature Services (**WFS**), Web Feature Service Transactions (**WFS-T**) and Catalogue Services for the Web (**CSW**) and web services for the **production of georeferenced maps** (JPEG, PNG, TIF or SVG) (WMS), for **manipulating geographical objects** (points, lines, polygons etc) (WFS) or for **interacting with one or more catalogues of spatial resources** (CSW). Oscars can help you implement these types of web services using Oracle tools. Oscars can also implement associated services such as **geocoding, routing and networking**, as well as data provision services such as the Keyhole Markup Language (**KML**), which enables display of spatial data in Google Earth, the Geography Markup Language (**GML**) for encoding, manipulating and exchanging spatial data etc.

## Illustration

Extrusion + visualisation of buildings in 3D via Google Earth. Conducted by OSCARS for the Service Public de Wallonie using KML.



## Technologies and prerequisites

- Oracle Database XE, Oracle Database Standard Edition or Oracle Database Enterprise Edition according to the case
- Oracle Locator or Oracle Spatial Option according to the case
- Software for visualization of data (Oracle MapViewer etc)

## References

Coopagri and Triskalia  
Council of Wales  
Service Public de Wallonie

## Kit for implementation of the project

- Trainings : Oracle Spatial 11G Workshop (3 days) or Oracle Spatial 11G Features (0,5 to 1 day)
- Making available spatial data (1 to 3 days)
- Creation of web service(s) (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.

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