

Open Source Web GIS Programming

MapServer

Fundamentals. Structure and contents of the Mapfile

Classification, styling

Map projections

Various inputs: Shape files, other file formats, relational databases

Output possibilities: „map” mode, WMS, WFS

OpenLayers

OpenLayers fundamentals. Adding simple controls

Layer types: third party maps, images, vectors

Vector styling.

Combining MapServer with OpenLayers

Advanced controls.

Literature:

Erik Hazzard: OpenLayers 2.10 Beginner's Guide. Packt Publishing, 2011

Suggested literature:

Antonio Santiago Perez: OpenLayers Cookbook. Packt Publishing, 2012