Overview of Different Techniques

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Key Messages

- General workflow in Web Cartography
  - Carefully define the purpose, message, audience
  - Design and specify the map content and its corresponding visualization
  - Design and specify the user interface and functionality
  - Collect data & Process data
  - Structure and manage data depending on the project's complexity
  - Publish and Present data (including adaptation of the technologies to the map's needs and implementation of interactive functions)
- You can use different techniques and methods to obtain similar results
- You must adapt the techniques and methods to the particularities of your web mapping project

Web Mapping Frameworks/Libraries

- Leaflet
- OpenLayers (2 & 3)
- ModestMaps
- PolyMaps
- ESRI ArcGIS API for Javascript
- Google Maps / Bing Maps
- MapQuest

- Mapstraction

Map Servers

- QGIS Server
- GeoServer
- MapServer
- Mapnik
- MapGuide
- TileCache
- TileStache
- ESRI ArcGIS Server
- GeoMEdia Map Publisher

Databases

- PostgreSQL + PostGIS
- MySQL
- Oracle + Oracle Spatial
- IBM DB2 + IBM Spatial Extender
- SQLite + SpatiaLite

GIS

- QGIS (can include GRASS, free and open source)
- ESRI ArcGIS
- … and many others

Questions

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