



HydroloGIS
Environmental Engineering

A Friendly Survey of Popular Geospatial Services





PostGIS is a Spatial Extensions for PostgreSQL

- Developed in 2001 by Refractions Research
- Created to assist Refractions in their data processing tasks
- Initially just an indexed load-store extension to allow concurrent access to data
- Now is adding to Geography objects (spherical geometries), raster-in-db and curved geometry support
- News update - PostGIS is now in OSGeo





Spatial Extensions for PostgreSQL

- Provides Simple Features for SQL compliant spatial functionality
 - Geometry objects
 - Spatial Index (R-Tree)
 - Spatial Functions
- Work is ongoing on support for SQL-Multimedia Part 3



PostGIS

Spatial Extensions for PostgreSQL

- Widely supported by spatial services and clients
 - AutoCAD Map 3D
 - Cadcorp GeognoSIS
 - dxf2PostGIS
 - ERDAS
 - ESRI ArcGIS Server
 - geoConcept
 - GeoServer
 - GRASS
 - gvSig
 - Iwan Mapserver
 - Manifold
 - MapGuide Open Source
 - MapDotNet Server
 - MapInfo
 - mezoGIS
 - Microimages TNTmips GIS
 - uDig
 - OpenEV
 - OpenJUMP
 - org2org
 - QGIS
 - Safe FME
 - SharpMap
 - shp2pgsql
 - UMN MapServer



Workbook 3

- This is a really quick tutorial
- What are you still doing reading this slide!
- Call us if you need a hand



Desktop

uDig



PostGIS



Enterprise Services