

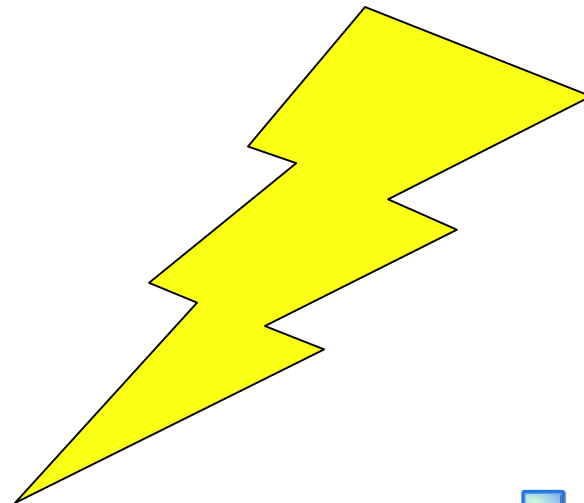
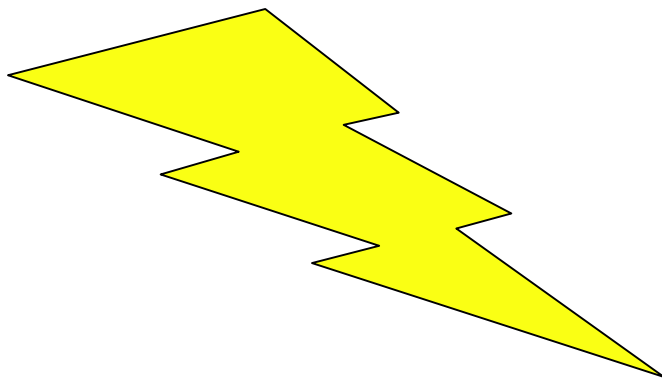


uDig

User-friendly Desktop Internet GIS

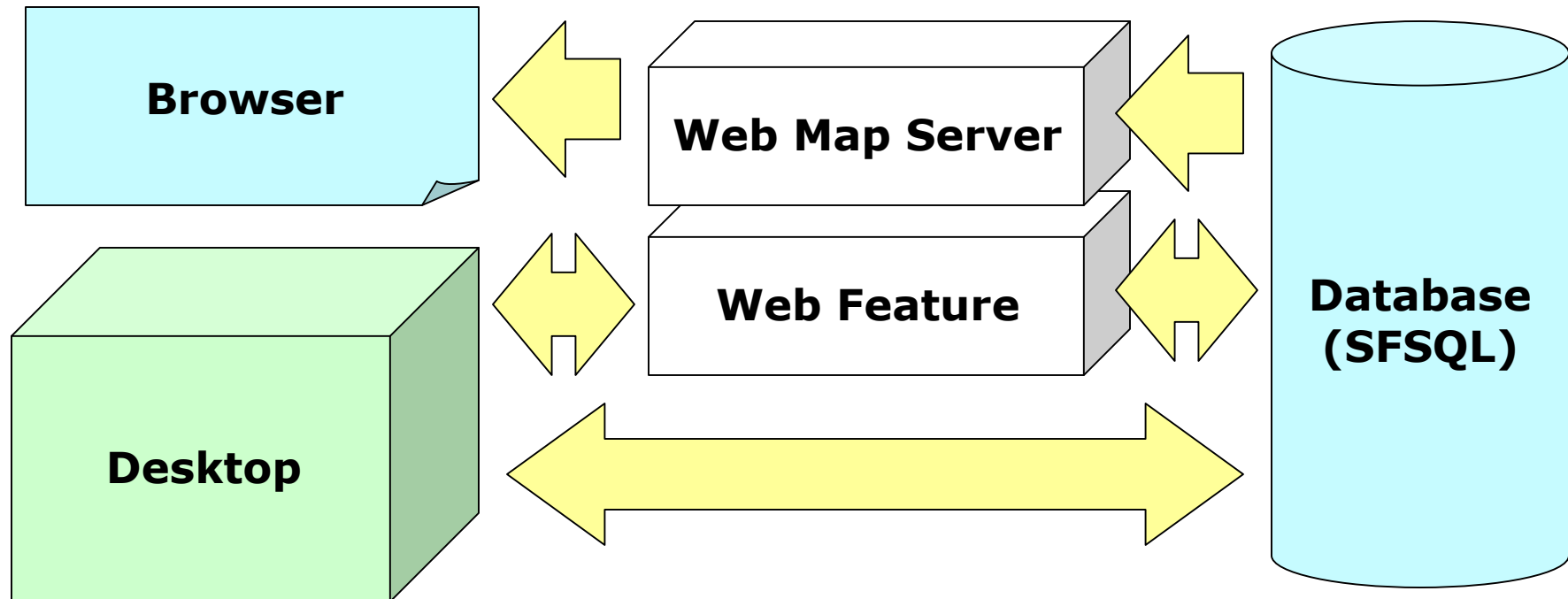


Jody Garnett

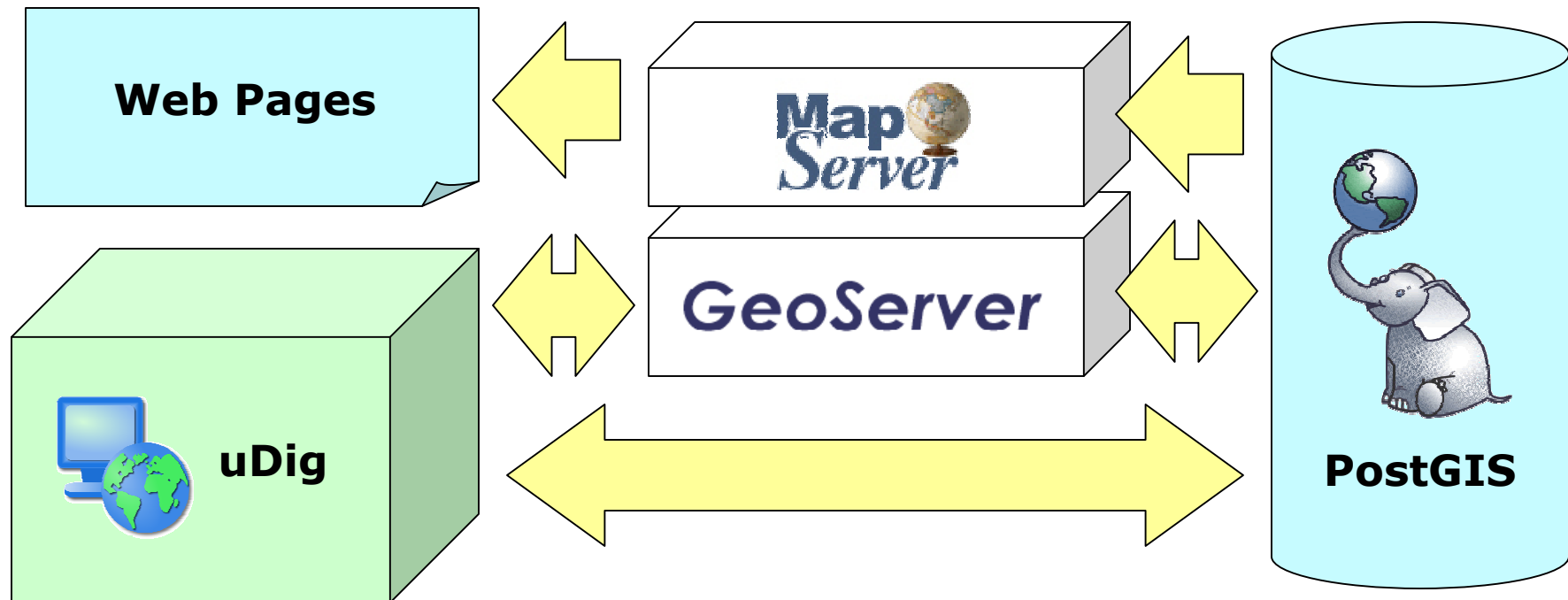


MUM/EOGEO 2005

Open Architecture



Open² Architecture



uDig



MUM/EOGEO 2005

Udig

- User-friendly

User-



-friendly



- User-friendly
- Desktop

Desktop



Windows



Linux



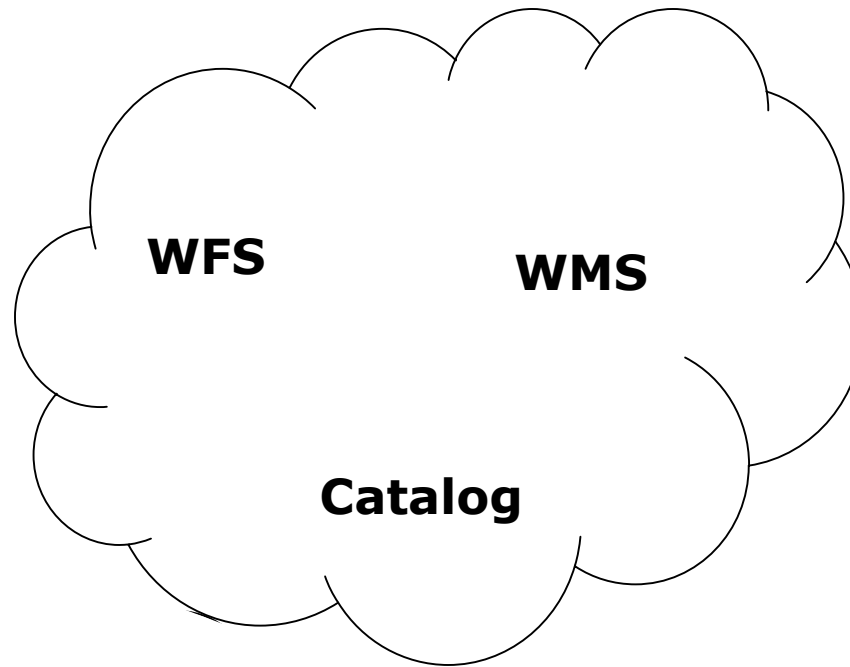
Mac OS/X



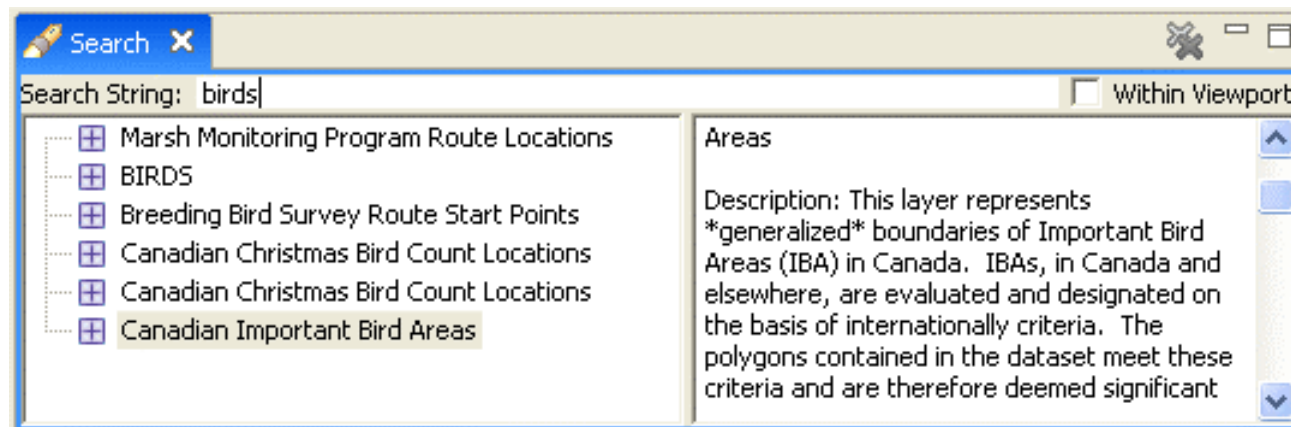
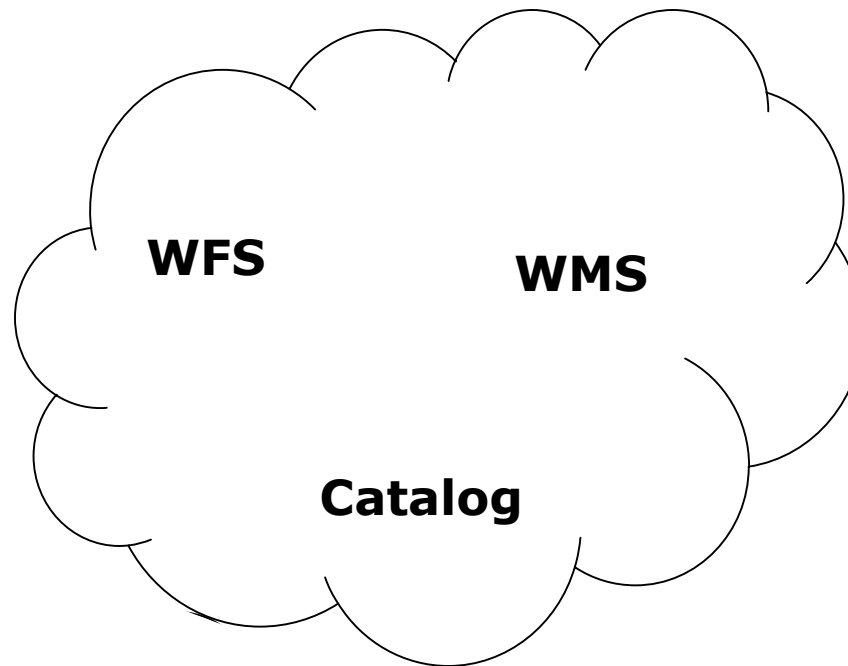
Solaris

- User-friendly
- Desktop
- Internet

Internet

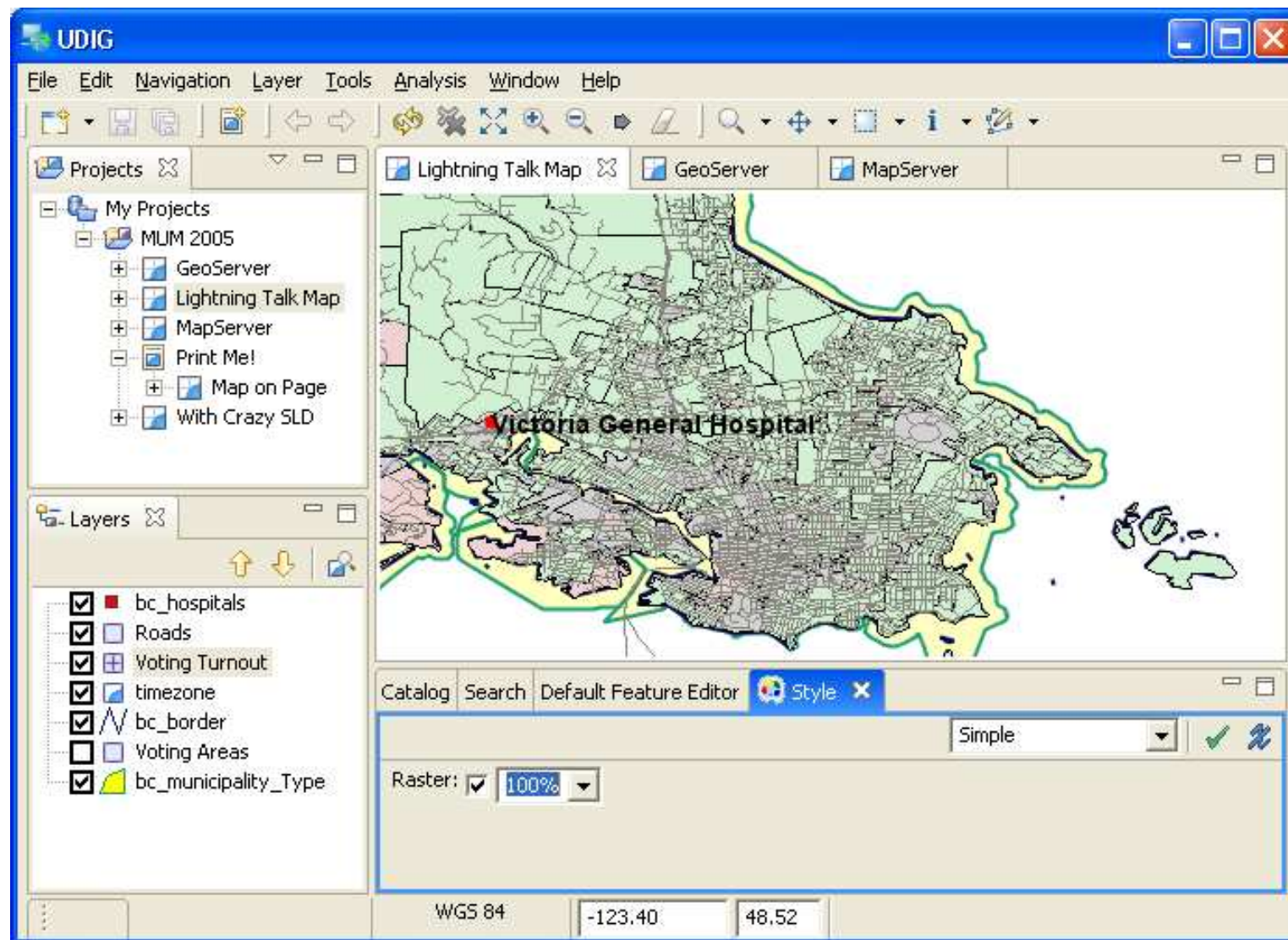


Internet



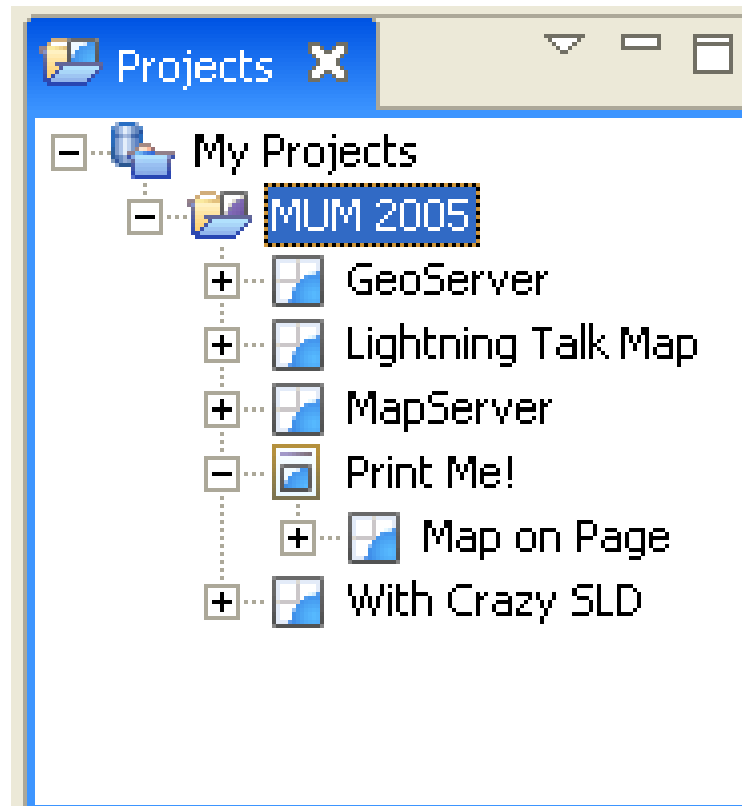
- User-friendly
- Desktop
- Internet
- GIS

GIS

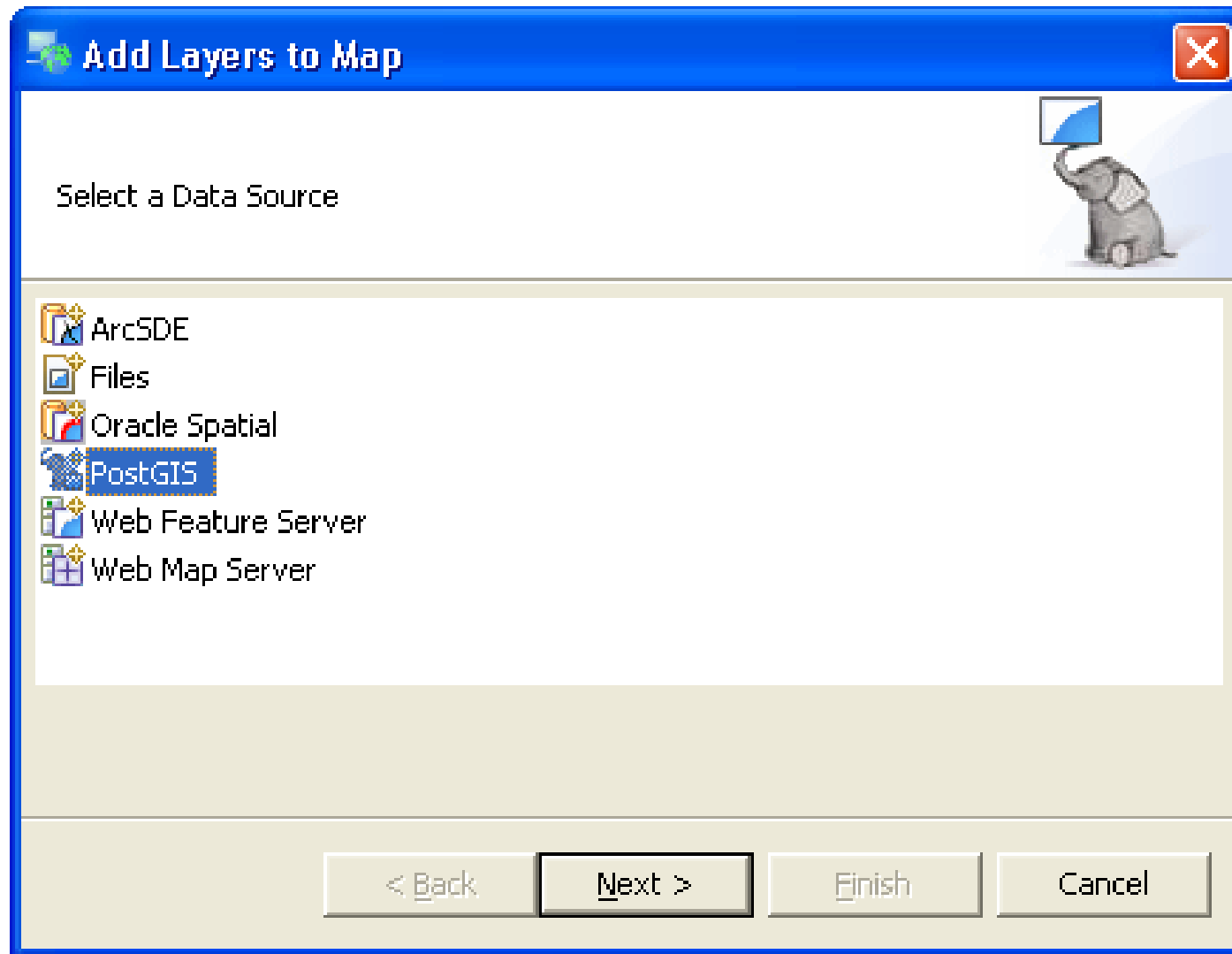


MUM/EOGEO 2005

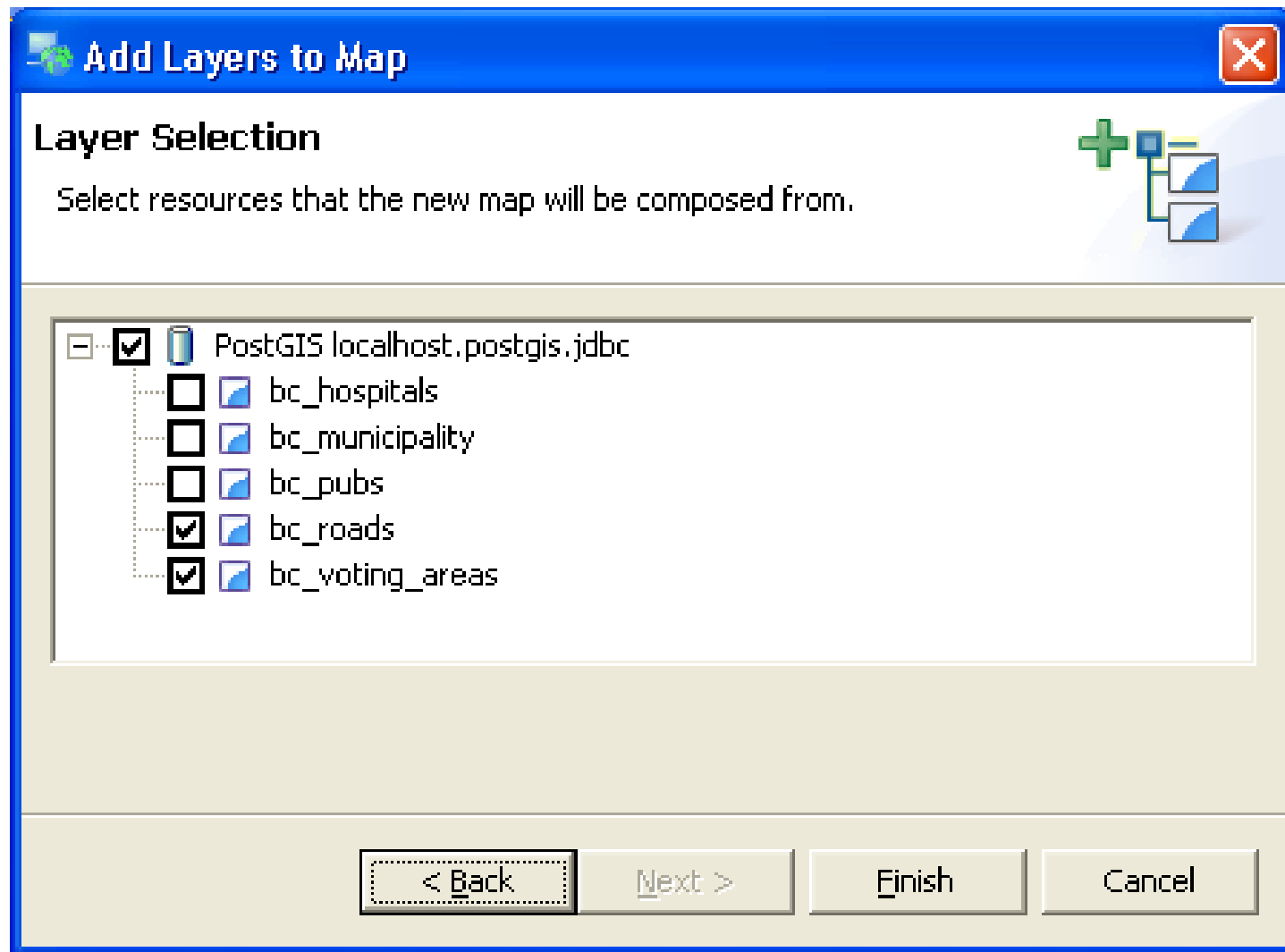
Maps



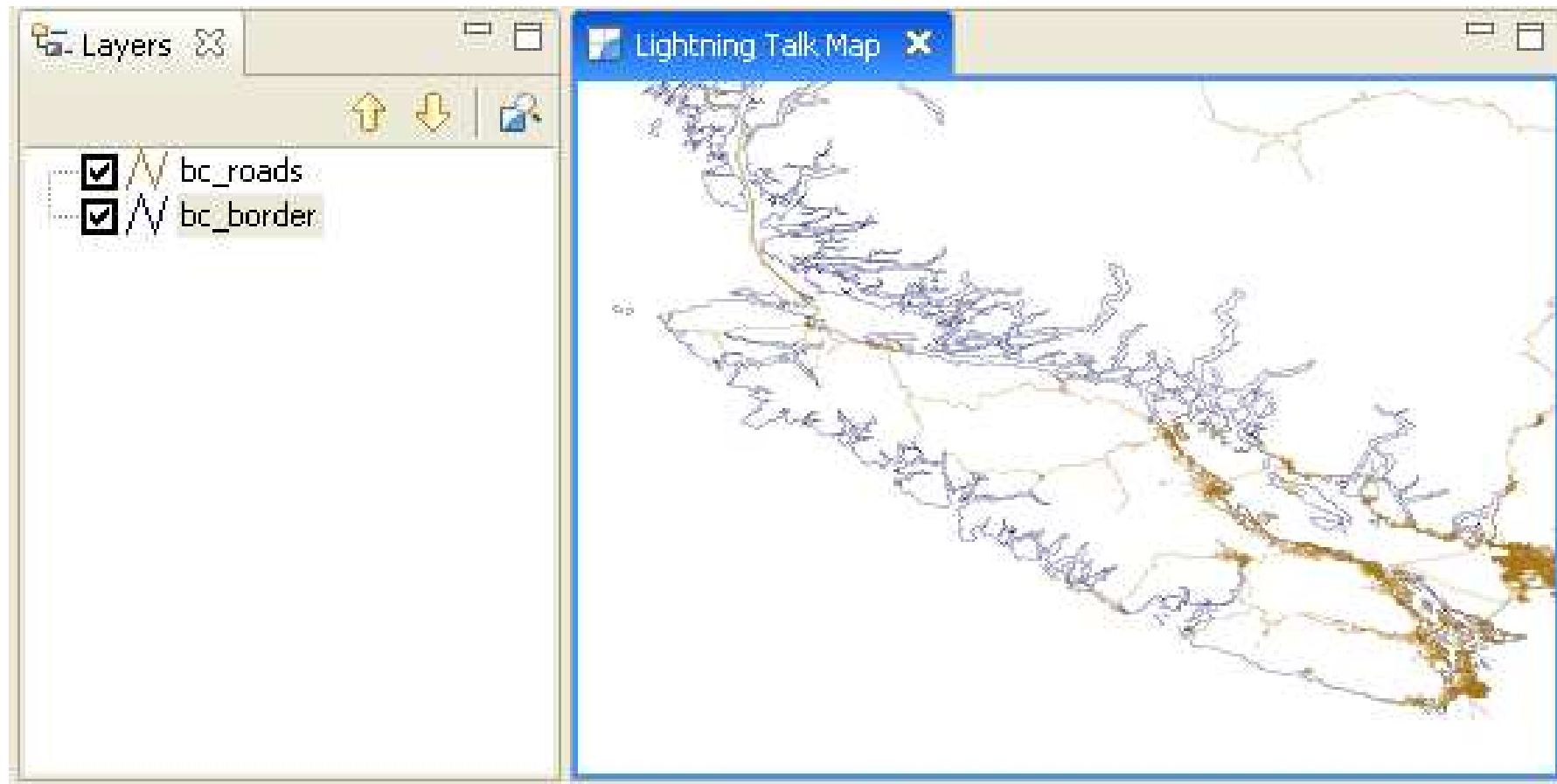
Layer?



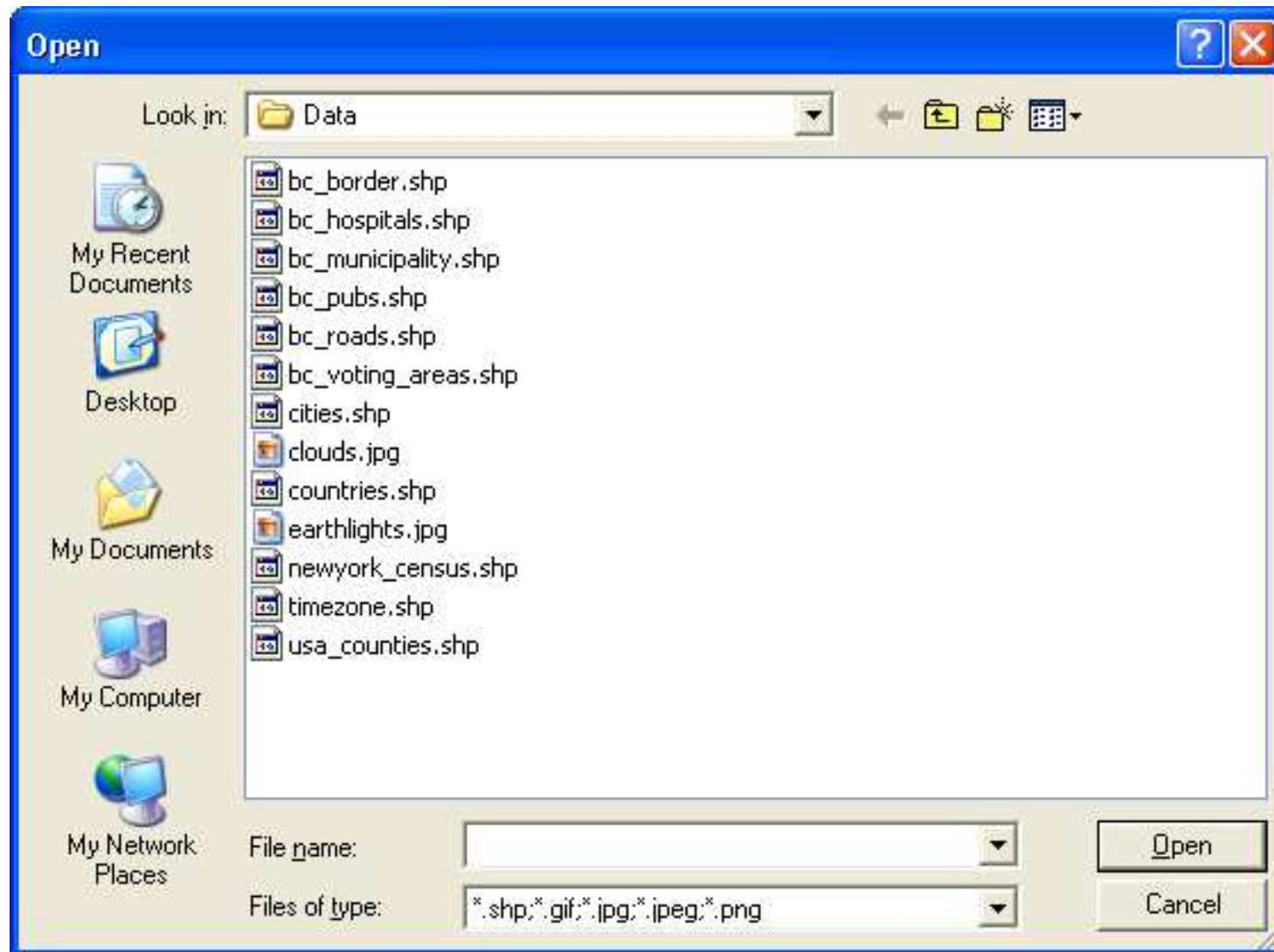
PostGIS is a ..



Layer



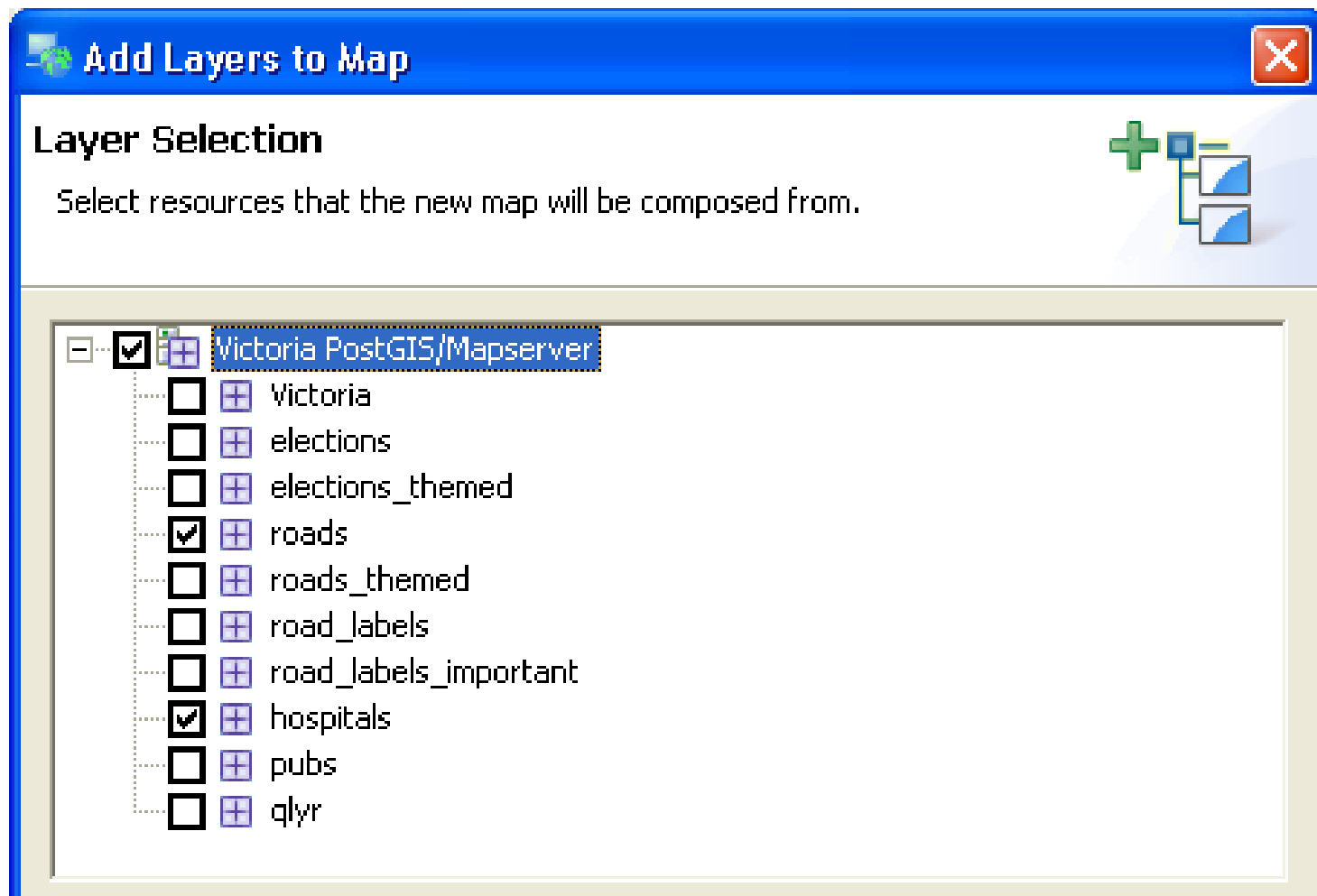
A local File is a



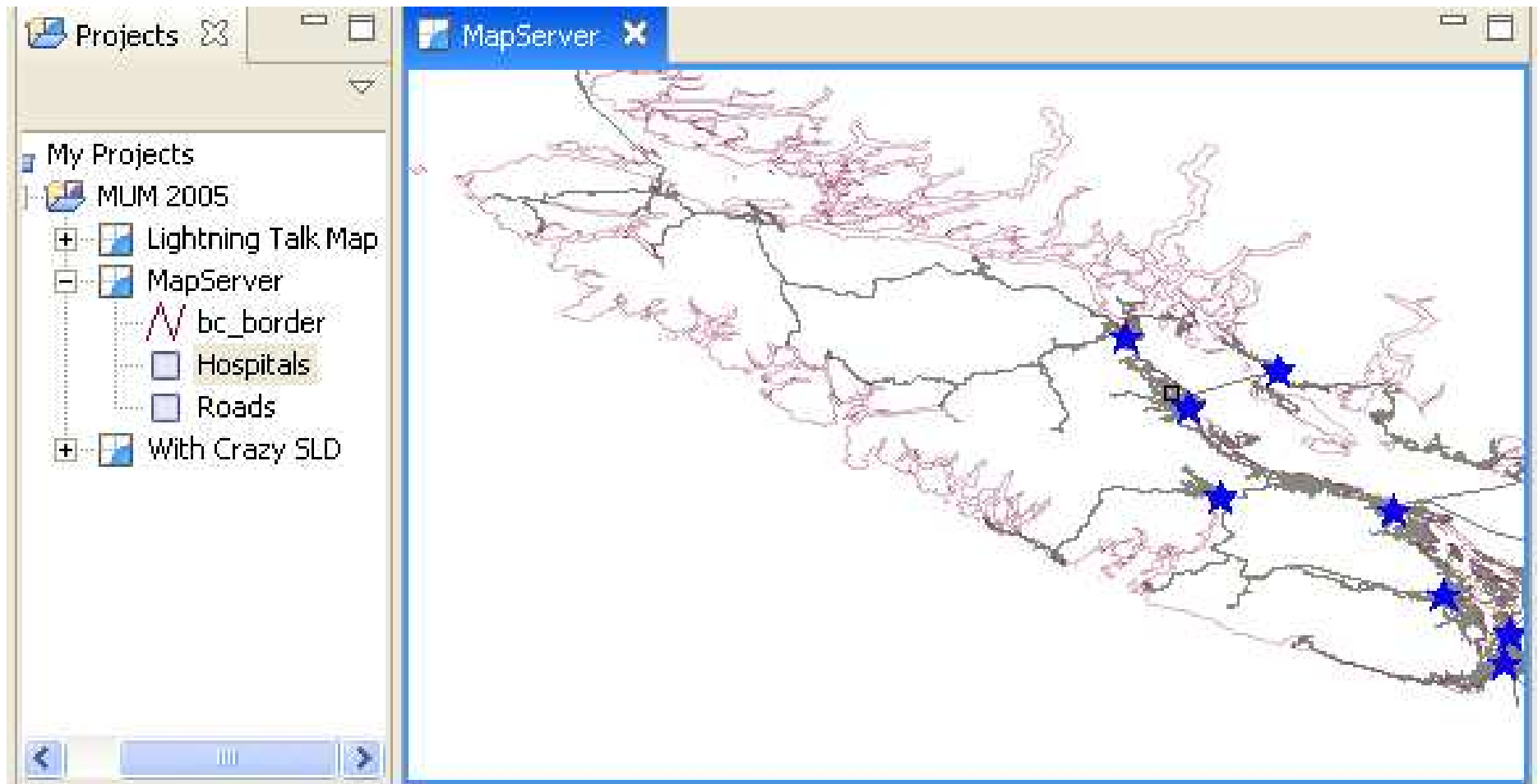
Layer



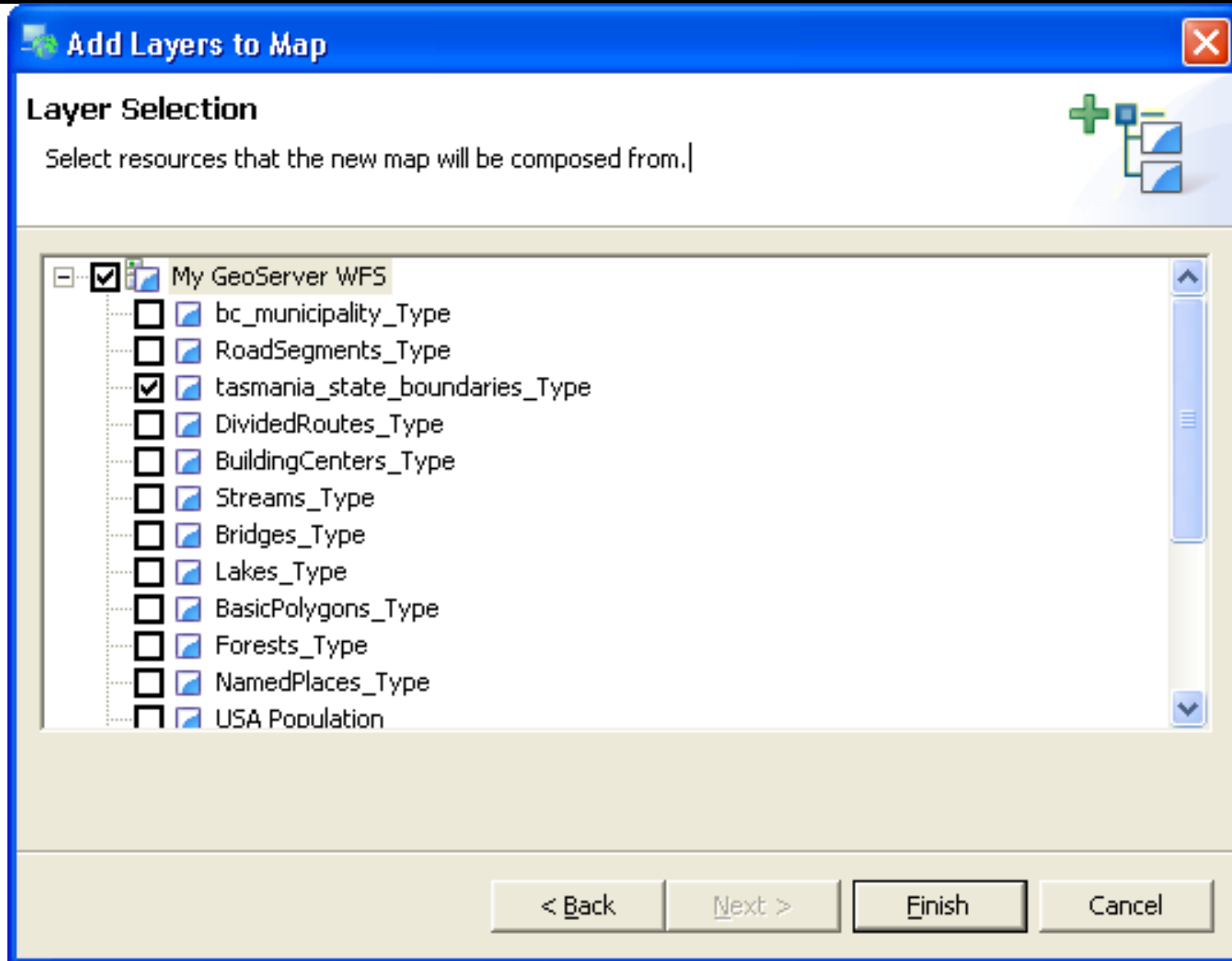
MapServer is a



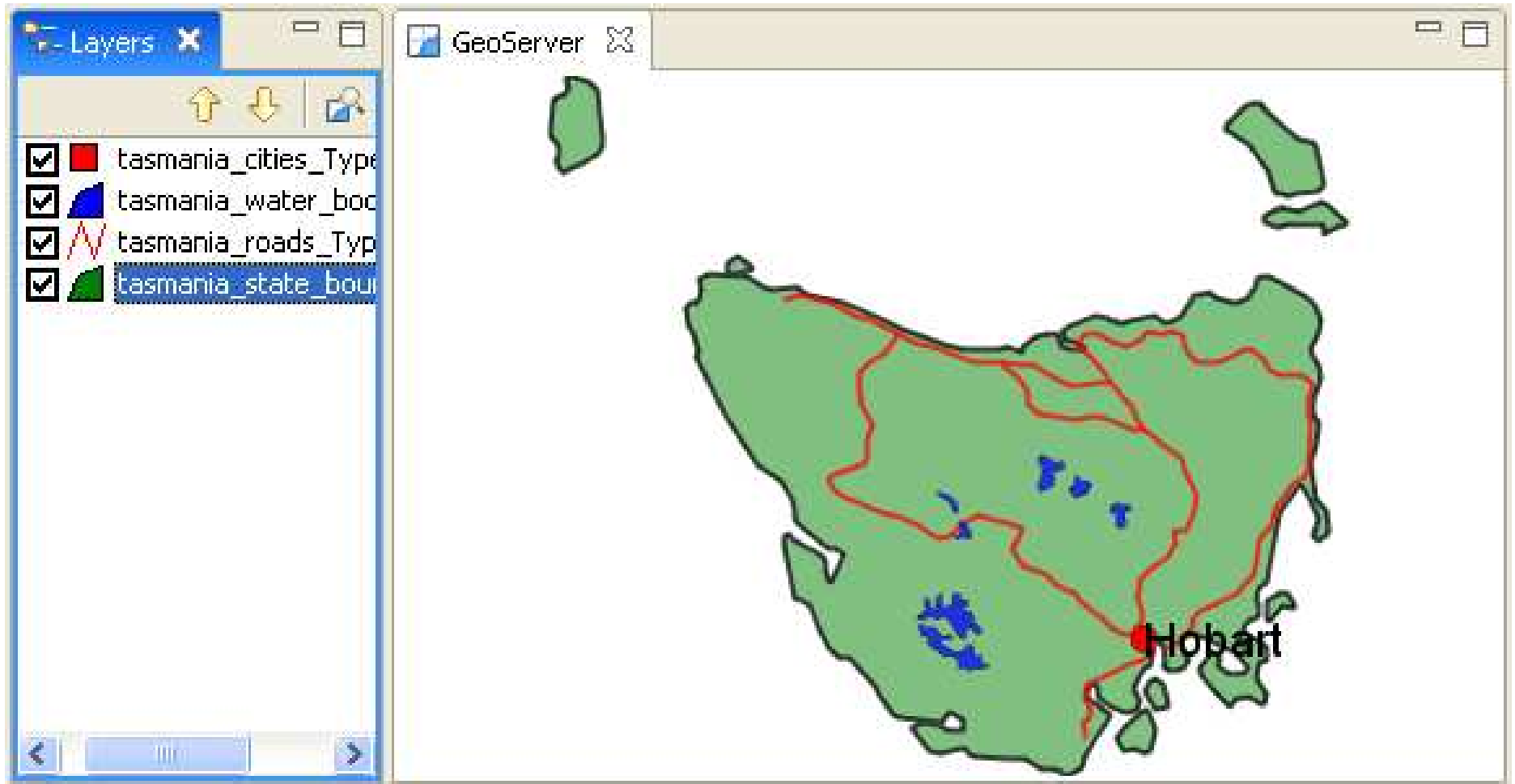
Layer



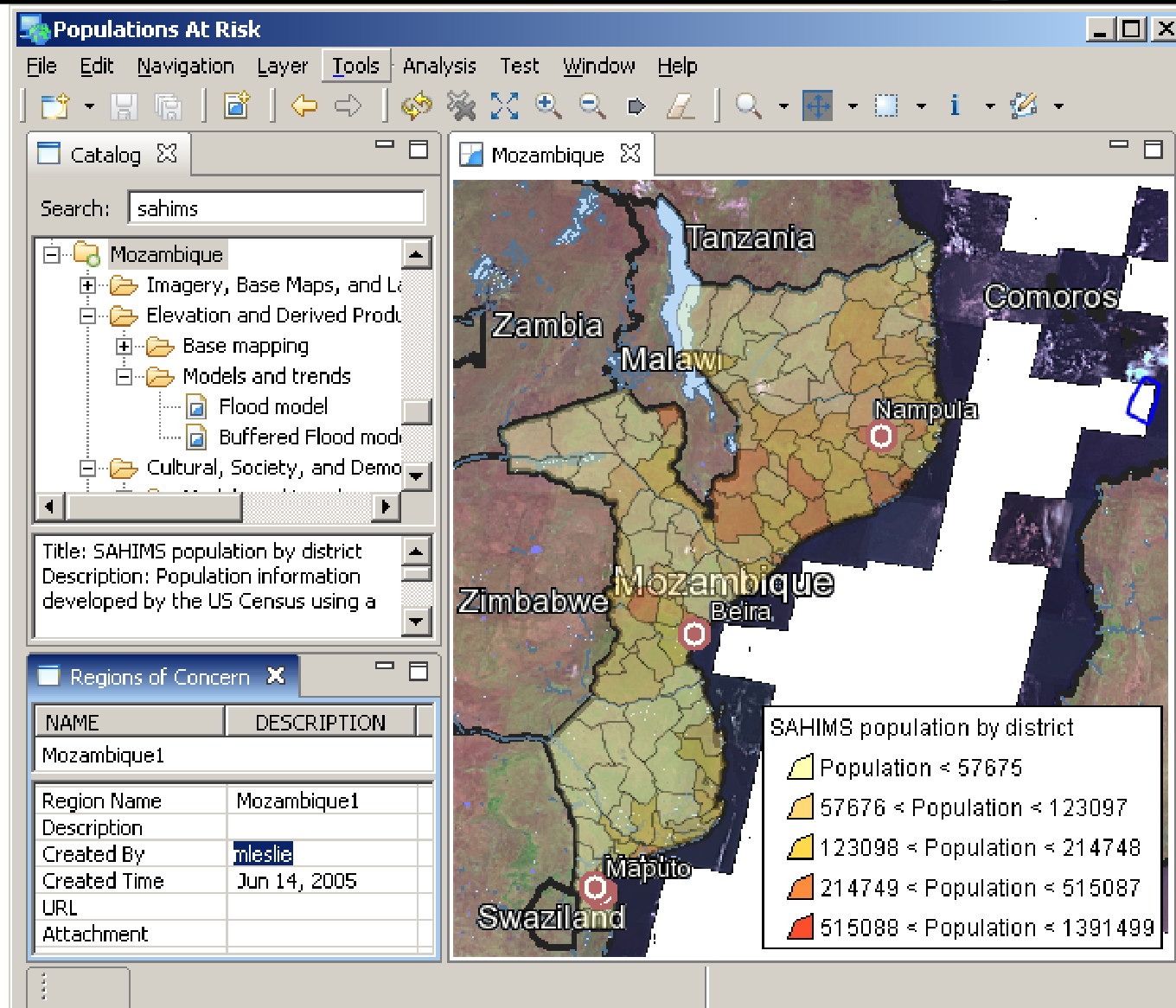
GeoServer is a



Layer



Do it Your Way



Developers!

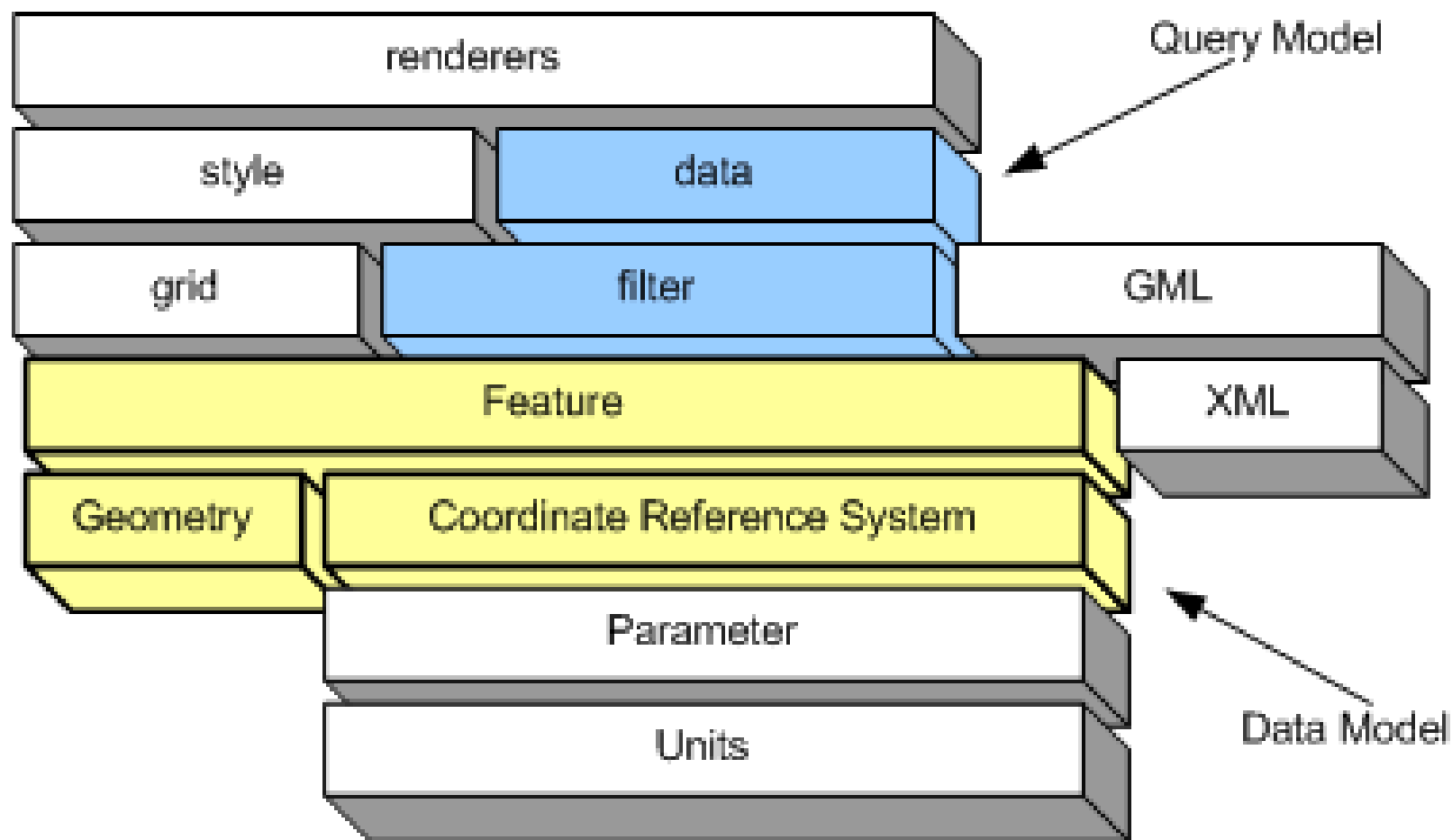
We got it going on ...

- Eclipse RCP – Wow!
- Java 5 – reduced our API by half
- GML – XML Object Bridge
- EMF – from days to hours

Part of the Community

- GeoTools, GeoServer, GeoAPI
- Open Source *and* Open Development
- and you!

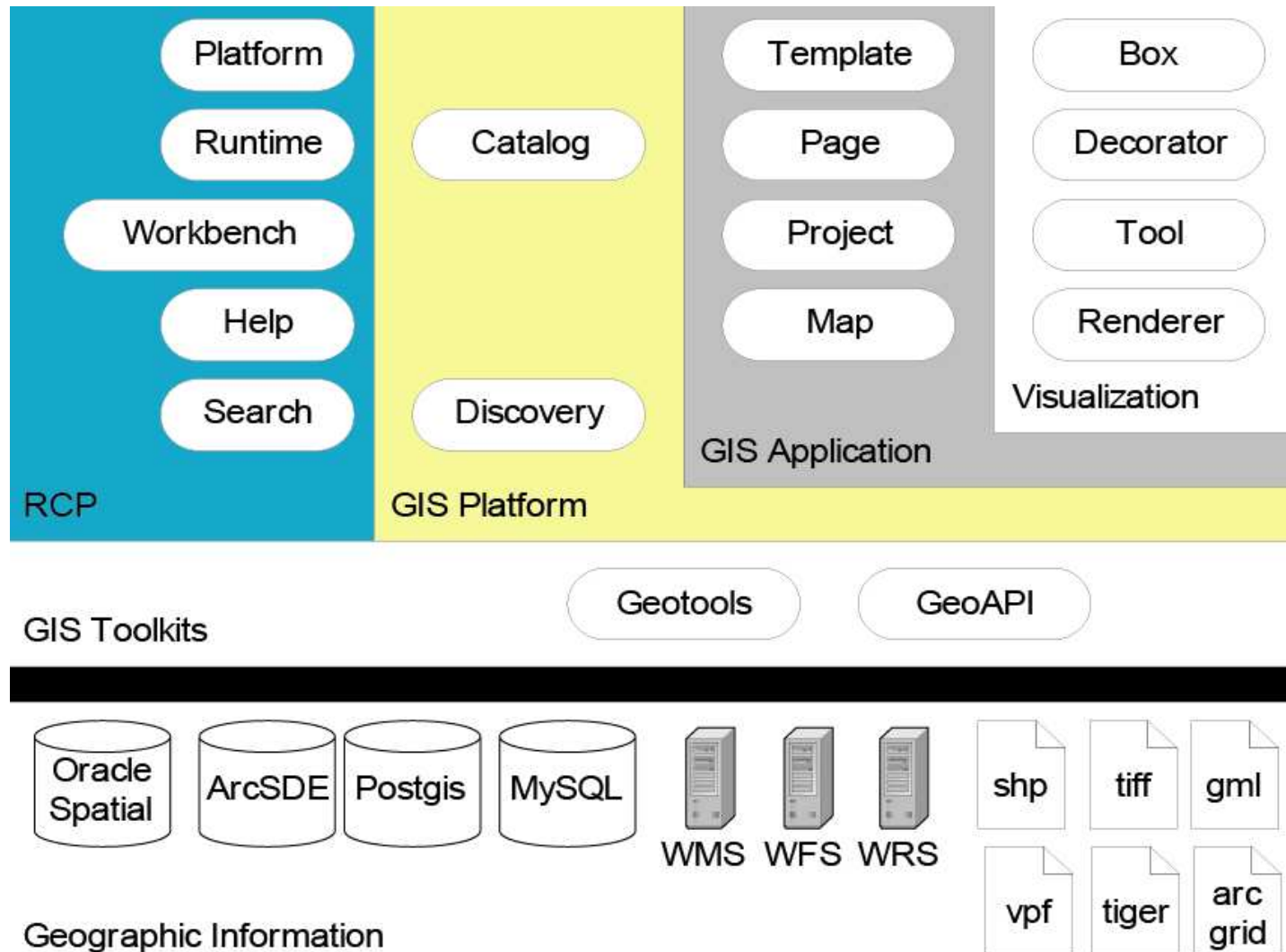
GeoTools



GeoTools
The open source Java GIS toolkit

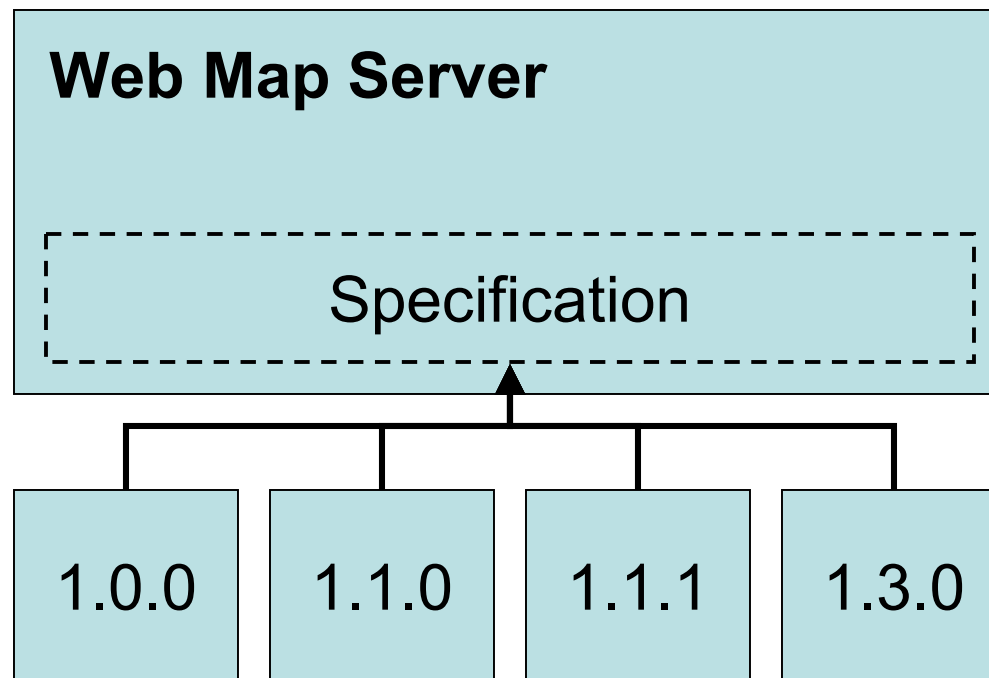


Architecture of uDig

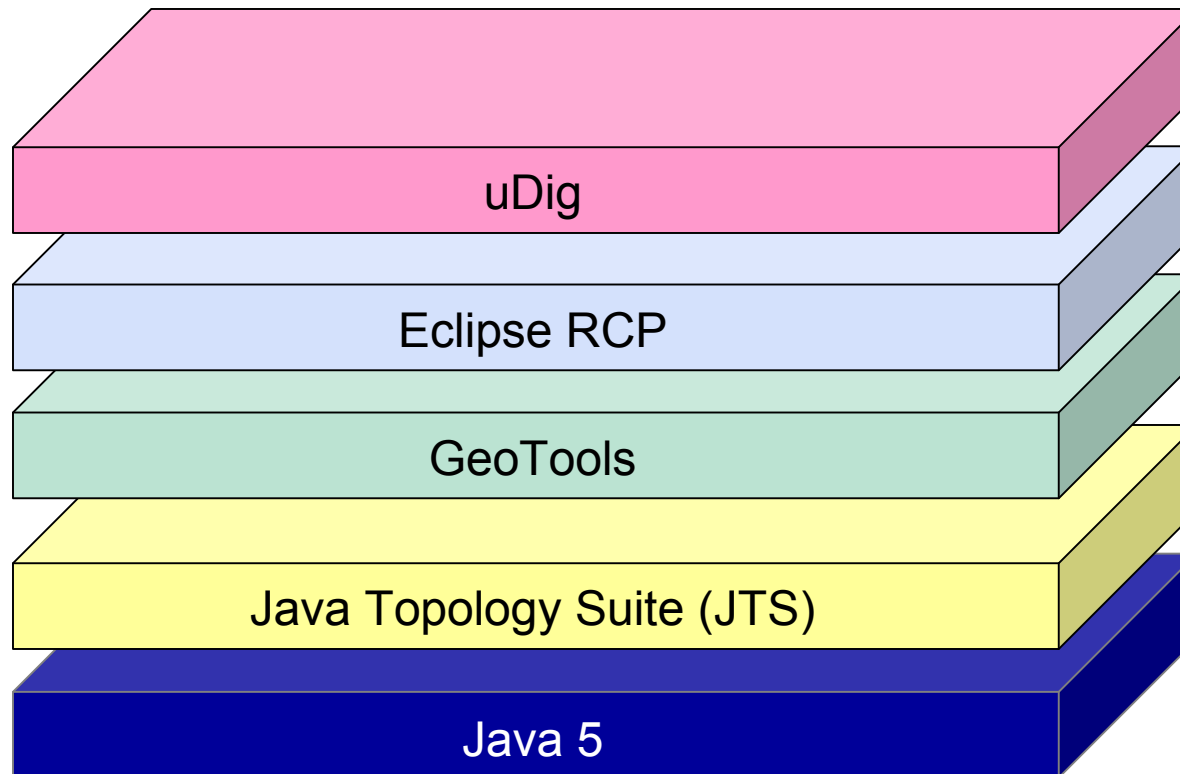


GeoTools – WMS Client

- We wrote generic WMS client
 - WMS has 4 versions!

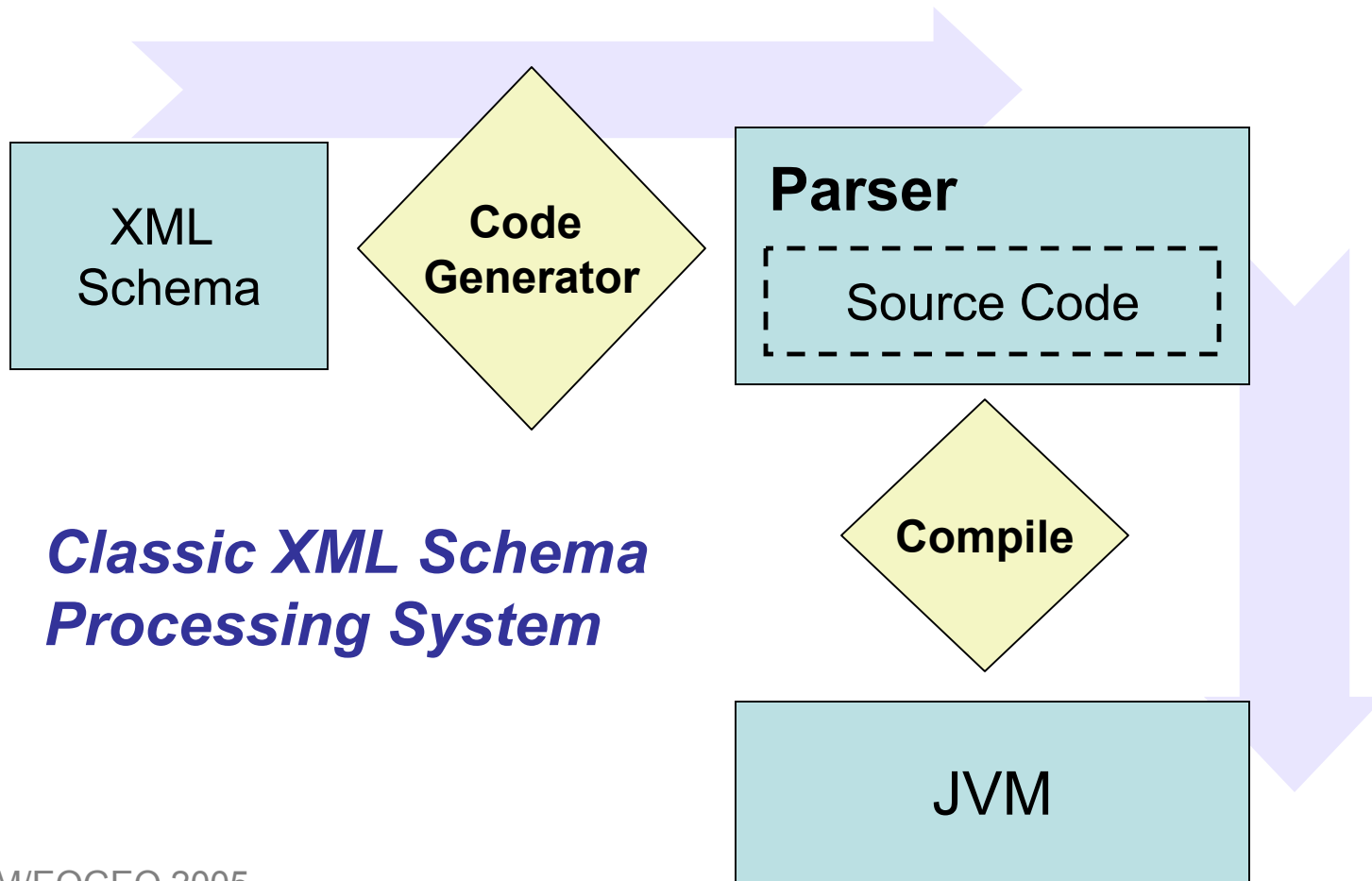


Technology Stack



GeoTools – WFS Client

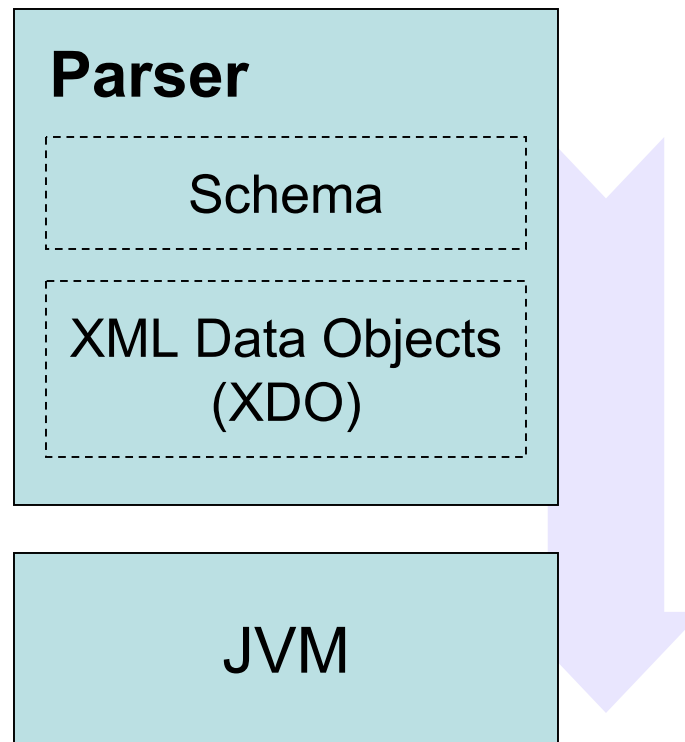
- We wrote generic WFS client
 - GML handling is hard!



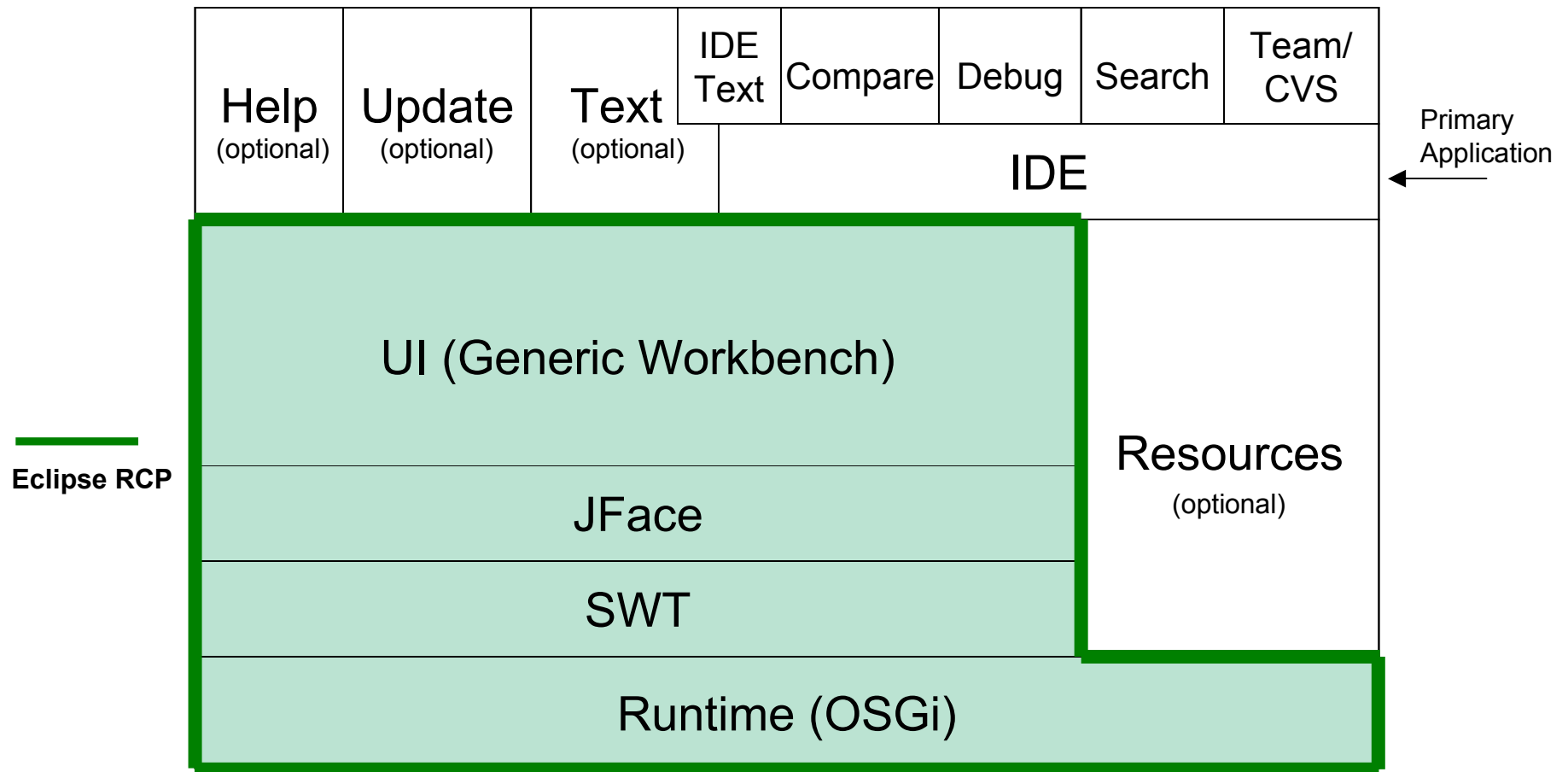
GeoTools – WFS Client

- We wrote generic WFS client
 - GML handling is hard!

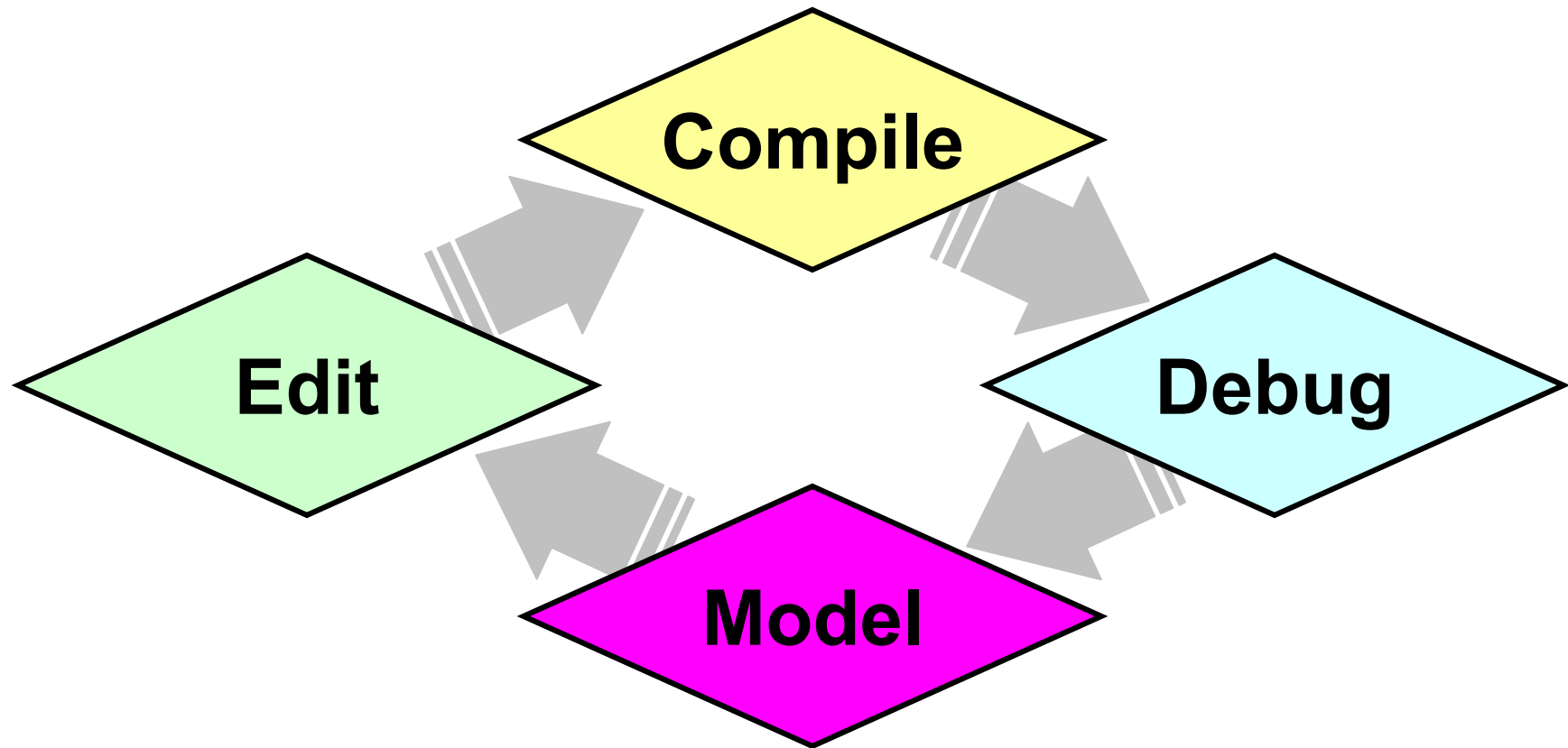
*Our XML Schema
Processing System*



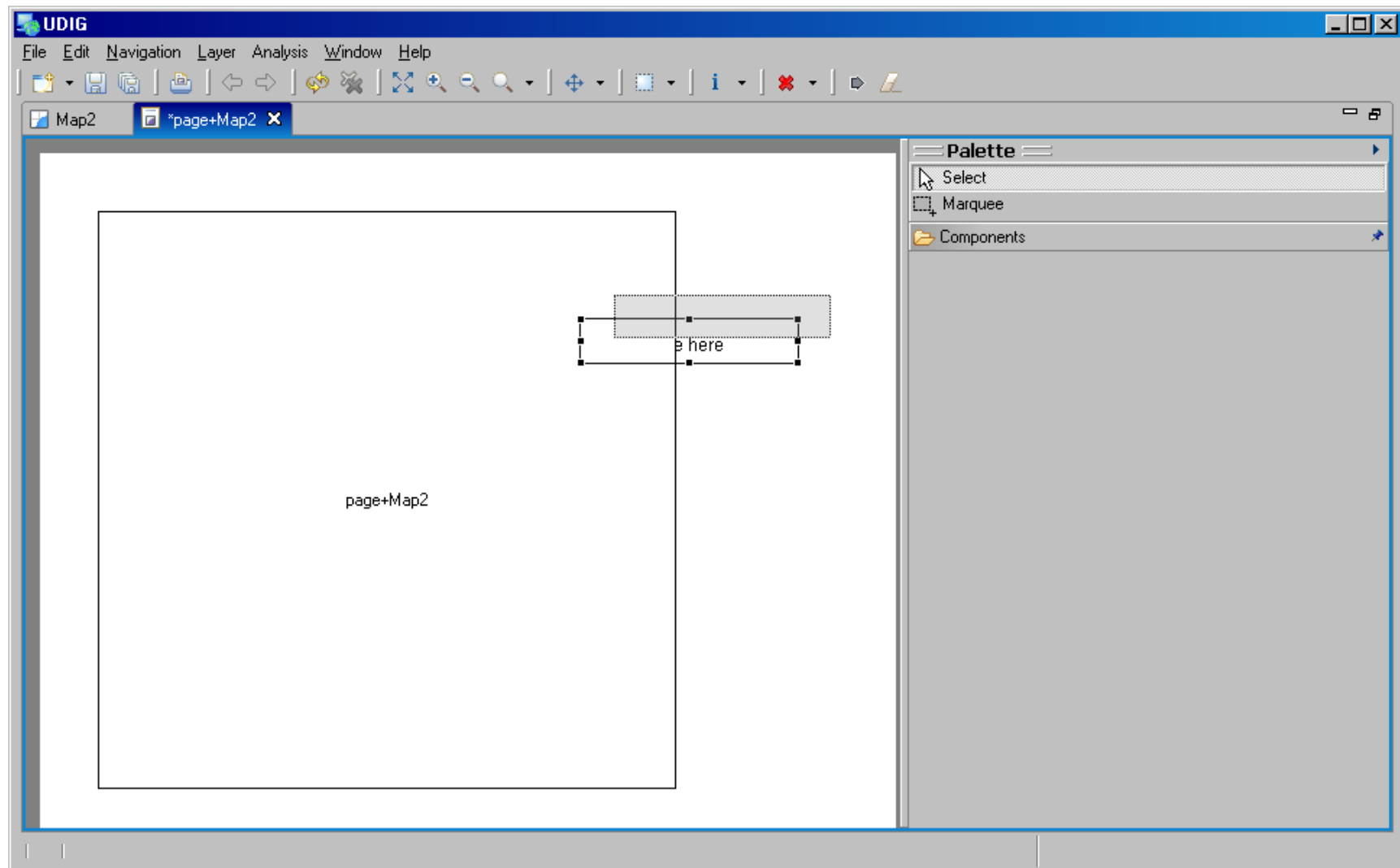
Eclipse RCP



Eclipse EMF



Eclipse GEF



How to Contribute

- Everyone
 - Join the udig-devel list
- Developers
 - Quickstart
 - Open Source and Open Development
- Users (Future Developers)
 - Download
 - Test / Bug Report
 - Translate
 - Supply Crazy Ideas (Toolkits, 3D, GML3!)