

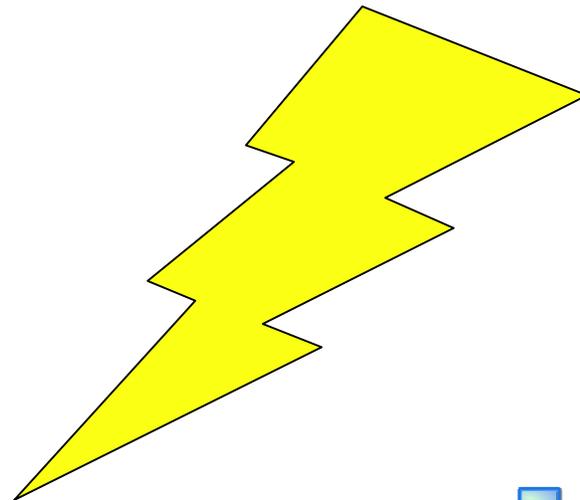
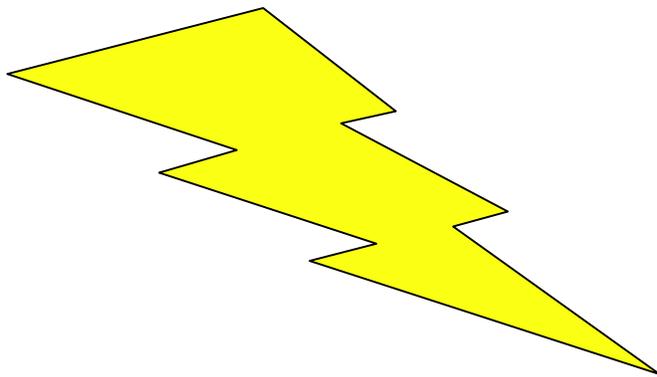


uDig

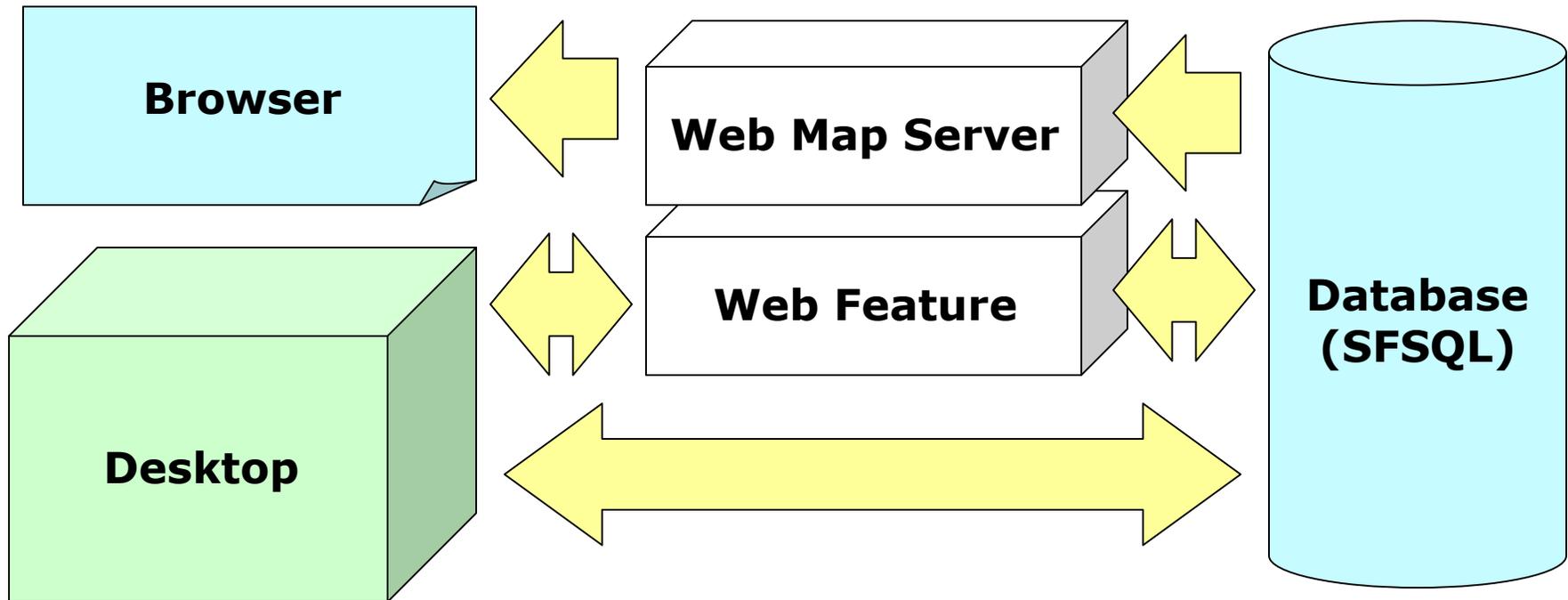
User-friendly Desktop Internet GIS



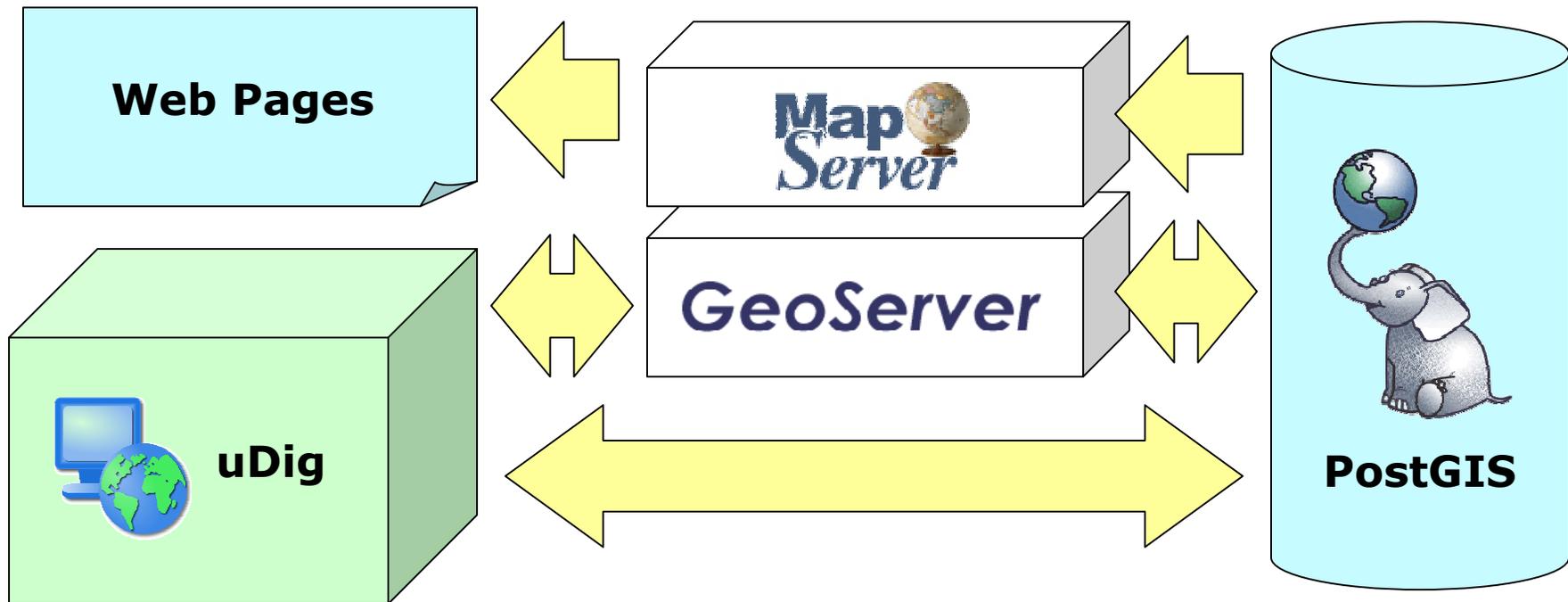
Jody Garnett



Open Architecture



Open² Architecture



uDig



MUM/EOGEO 2005

Udig

- User-friendly

User-



-friendly



uDig

- User-friendly
- Desktop

Desktop



Windows



Linux



Mac OS/X

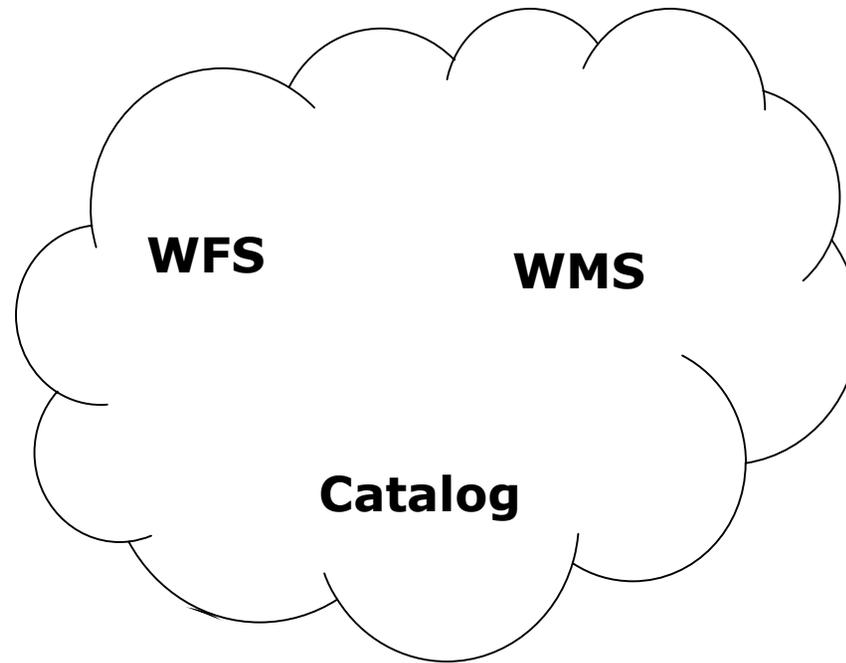


Solaris

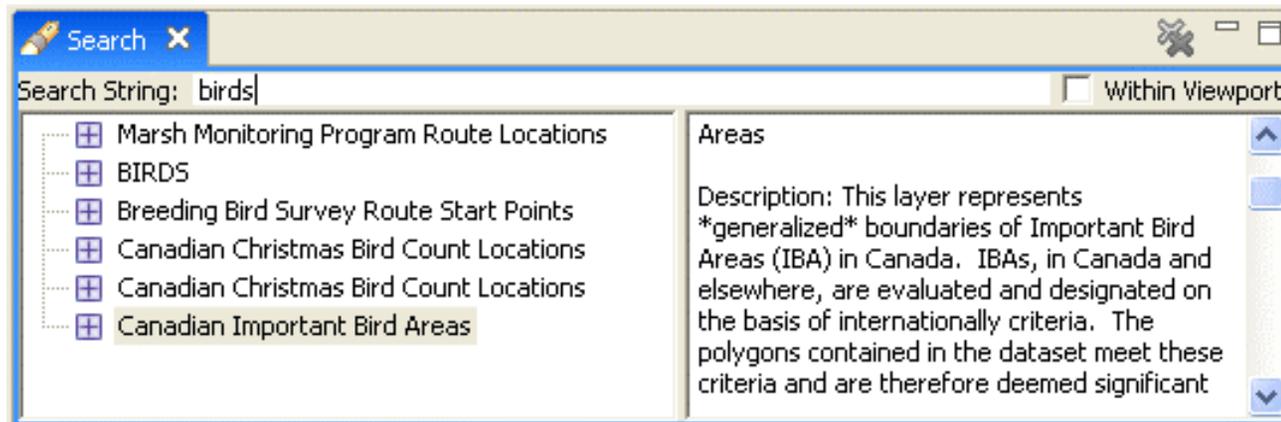
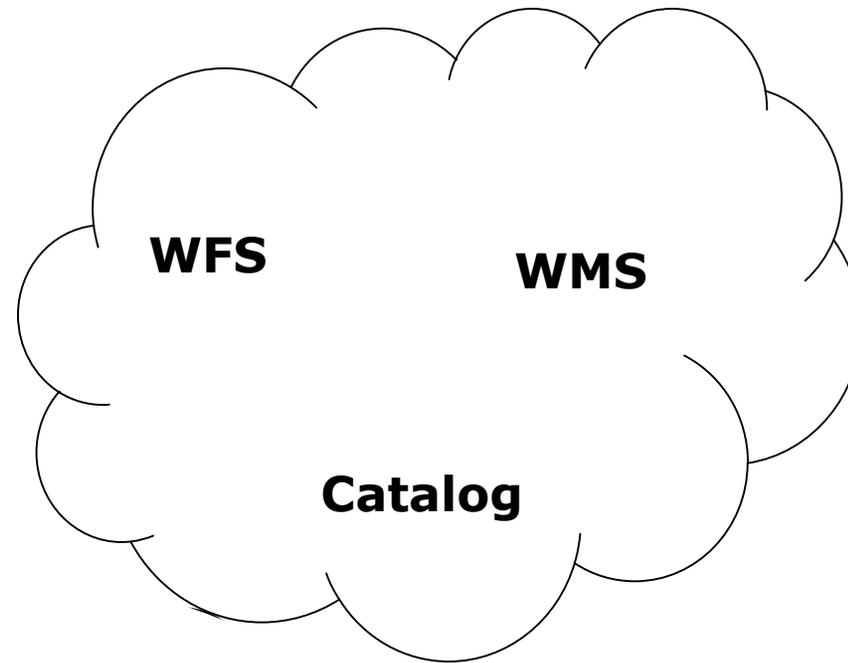
udIg

- User-friendly
- Desktop
- Internet

Internet



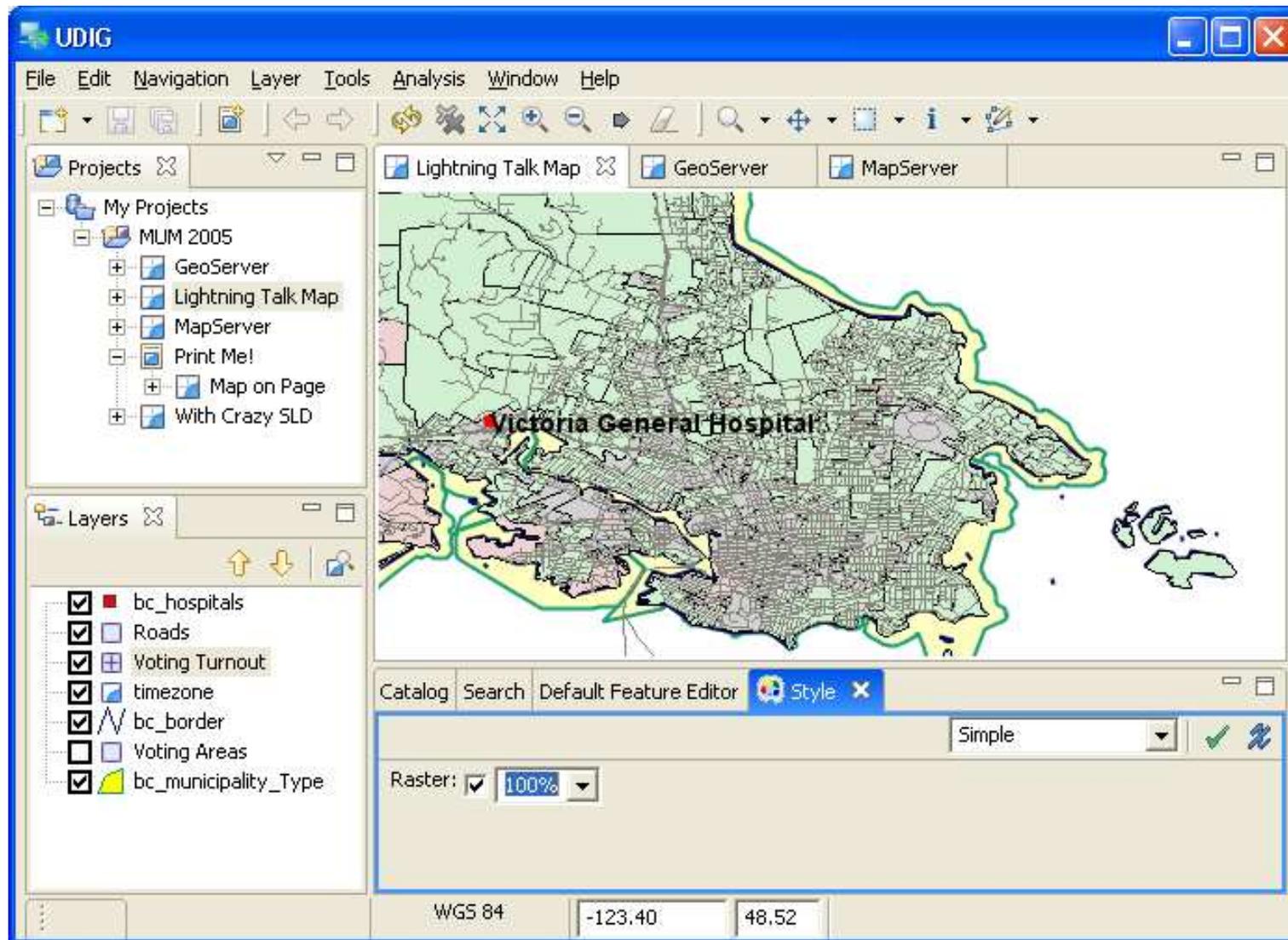
Internet



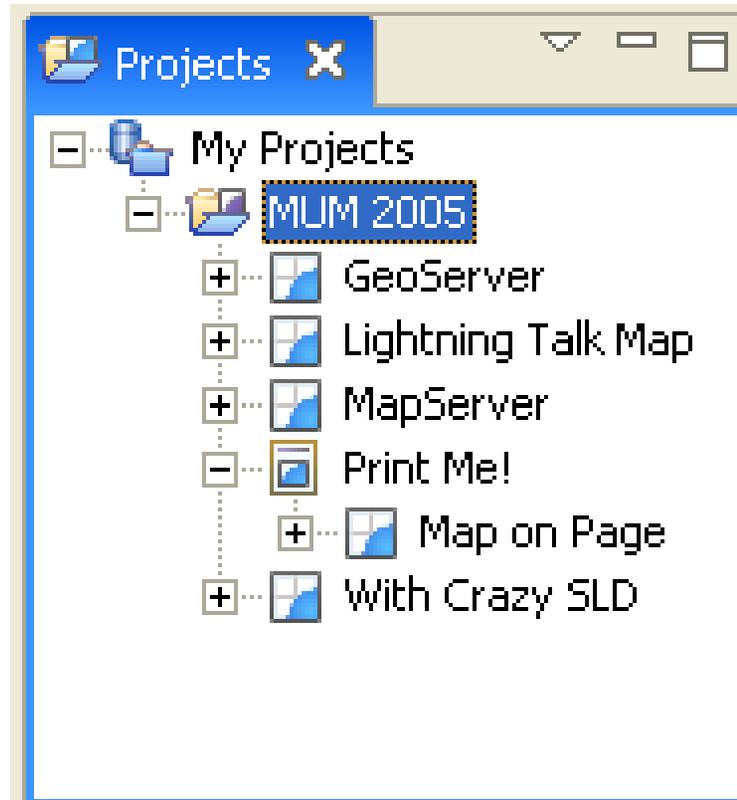
udiG

- User-friendly
- Desktop
- Internet
- GIS

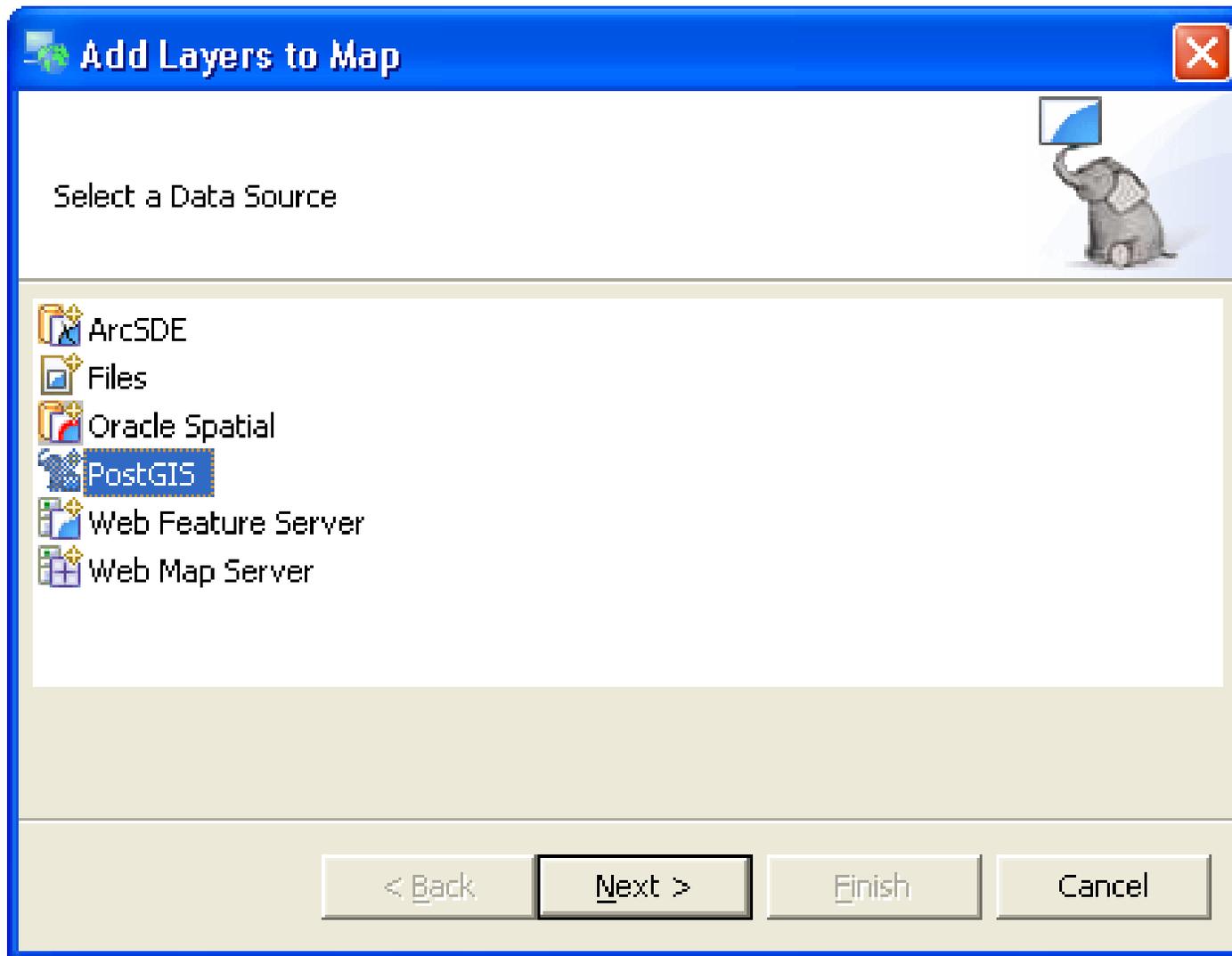
GIS



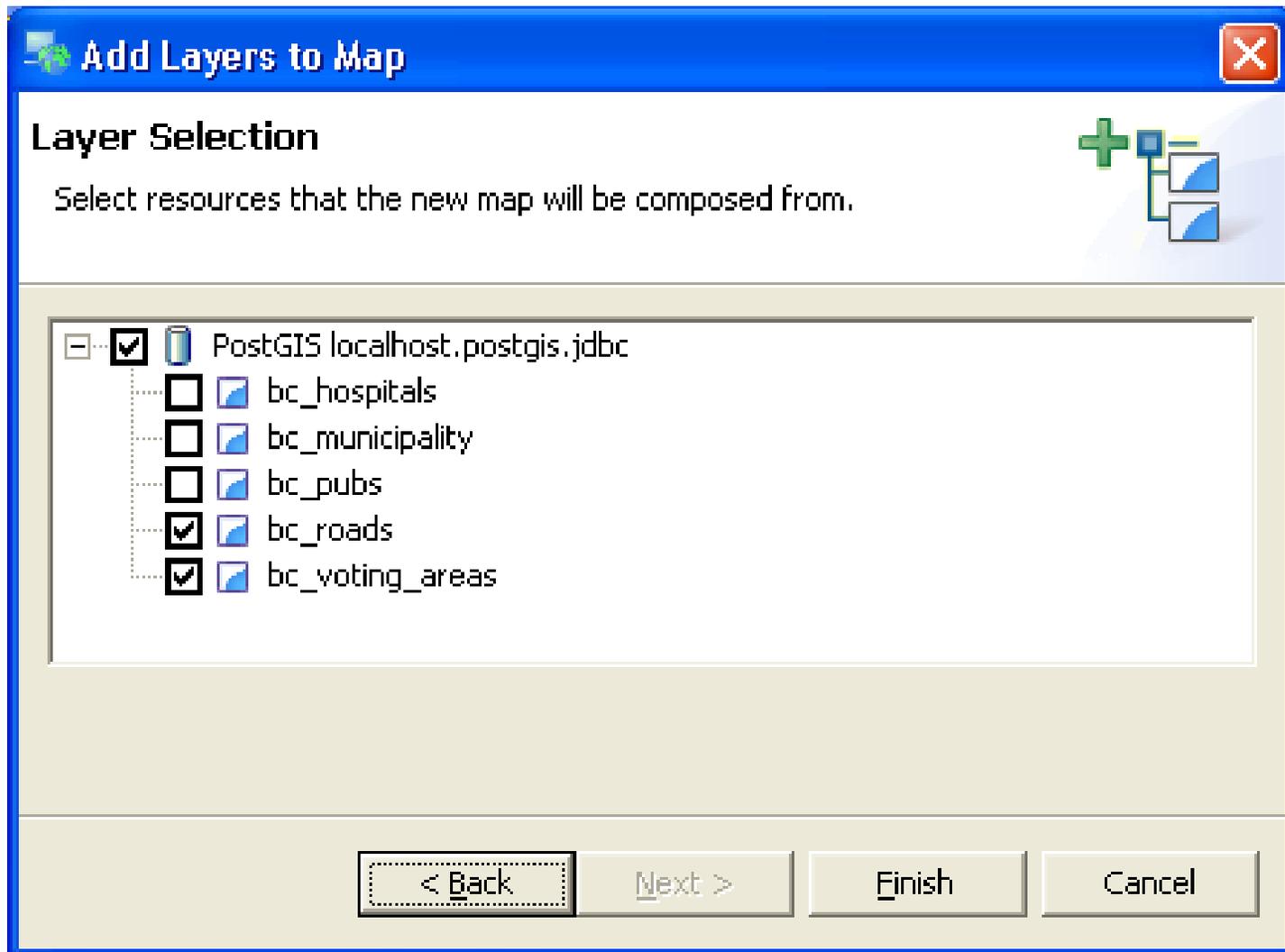
Maps



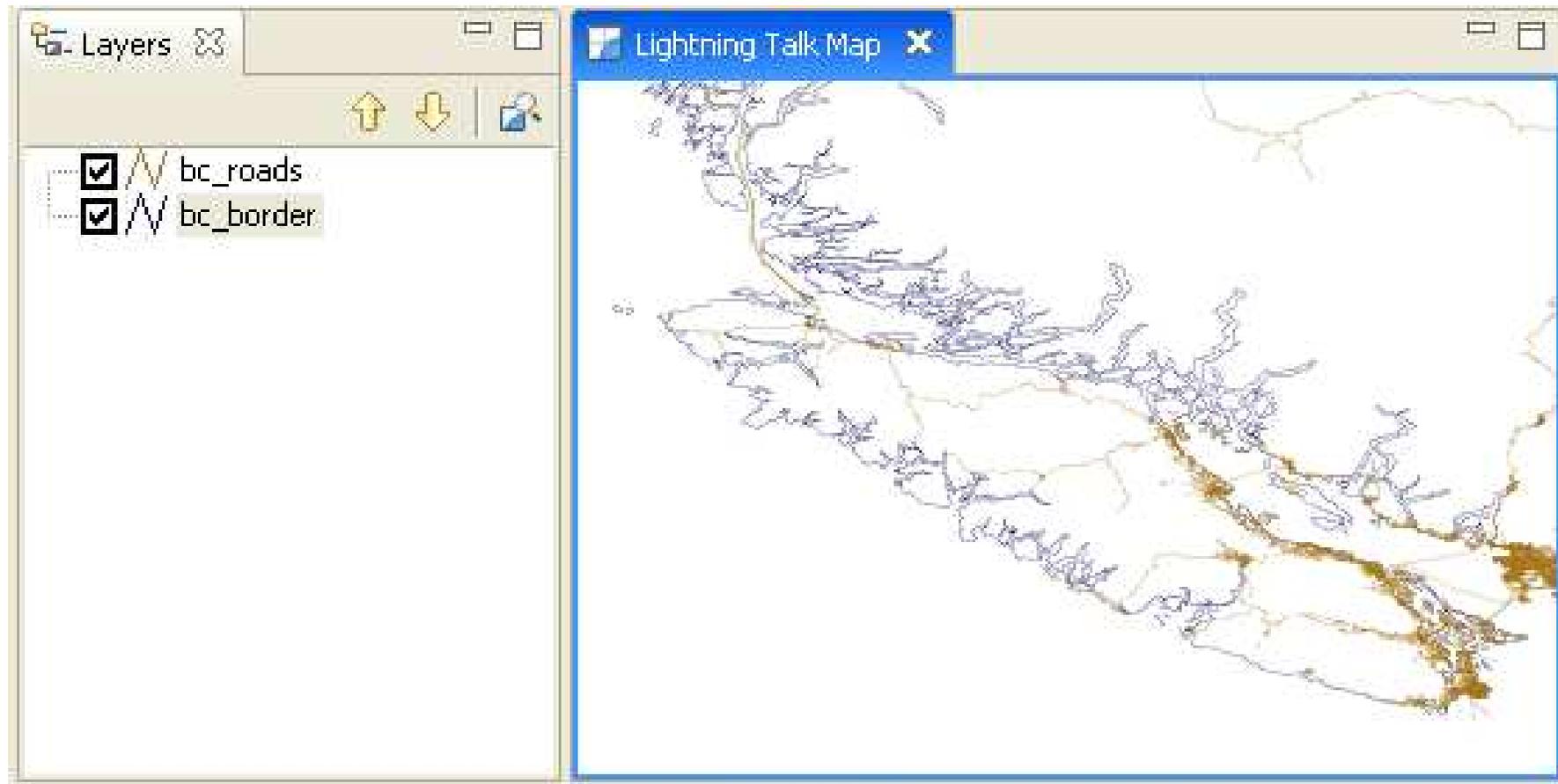
Layer?



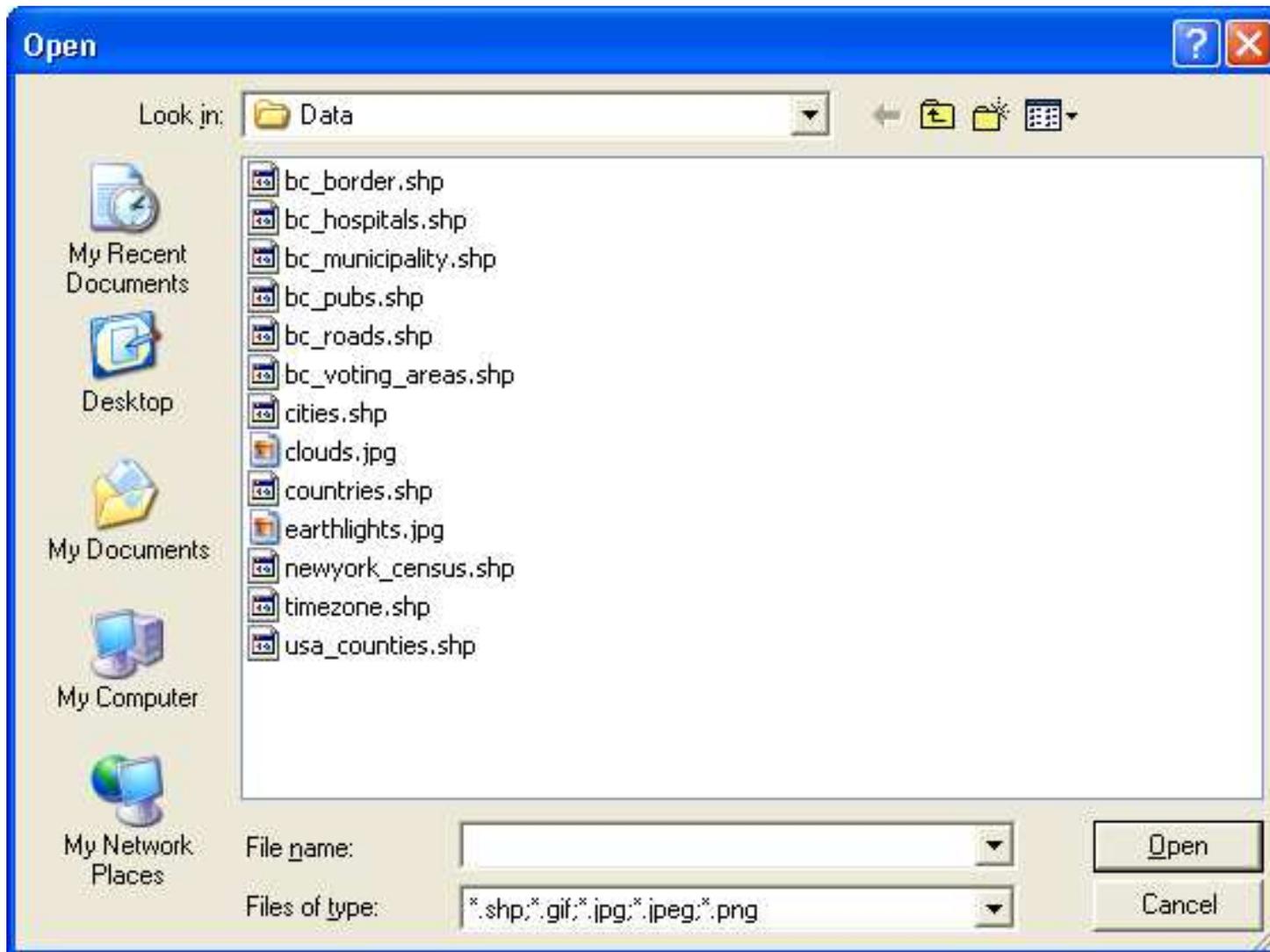
PostGIS is a ..



Layer



A local File is a



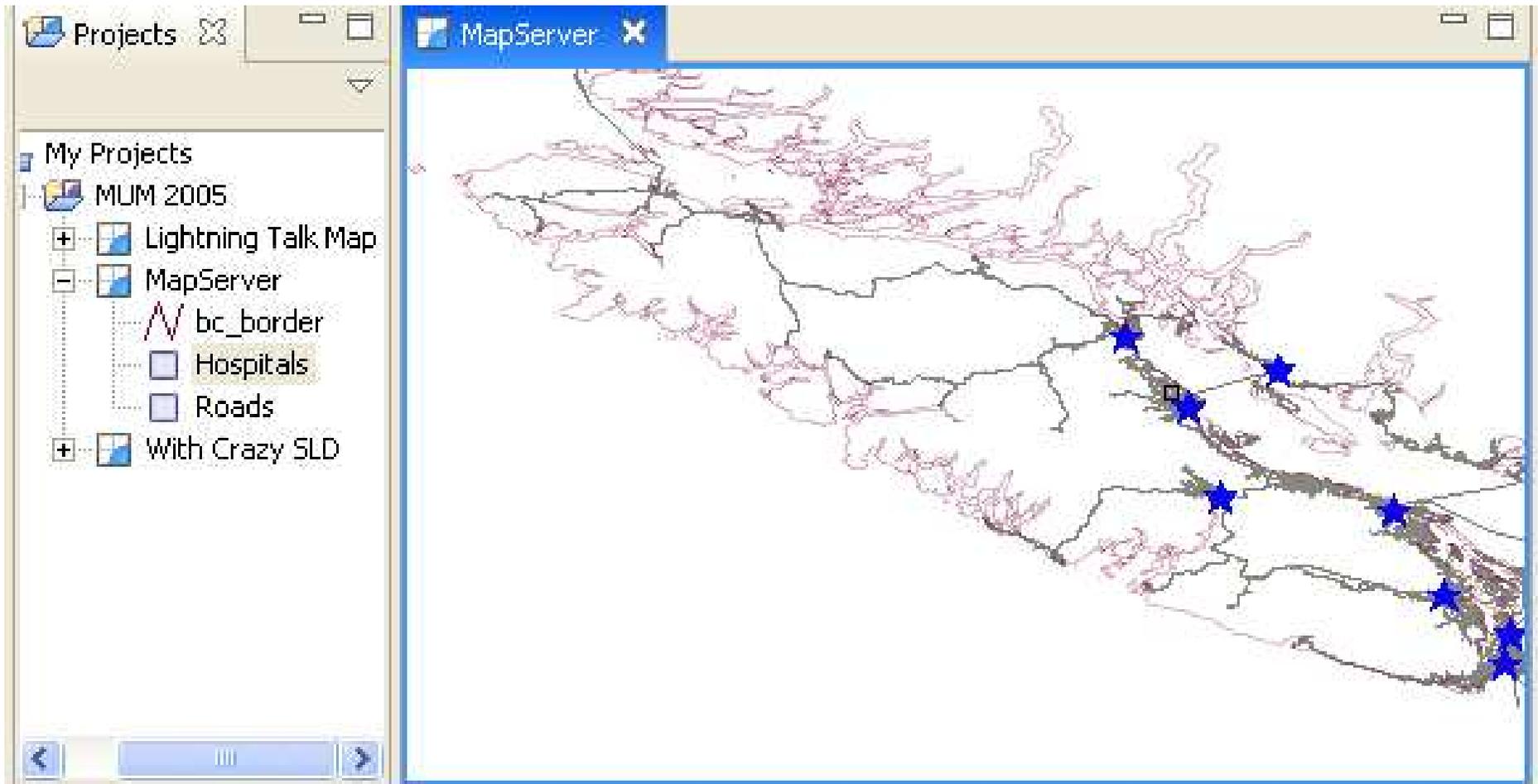
Layer



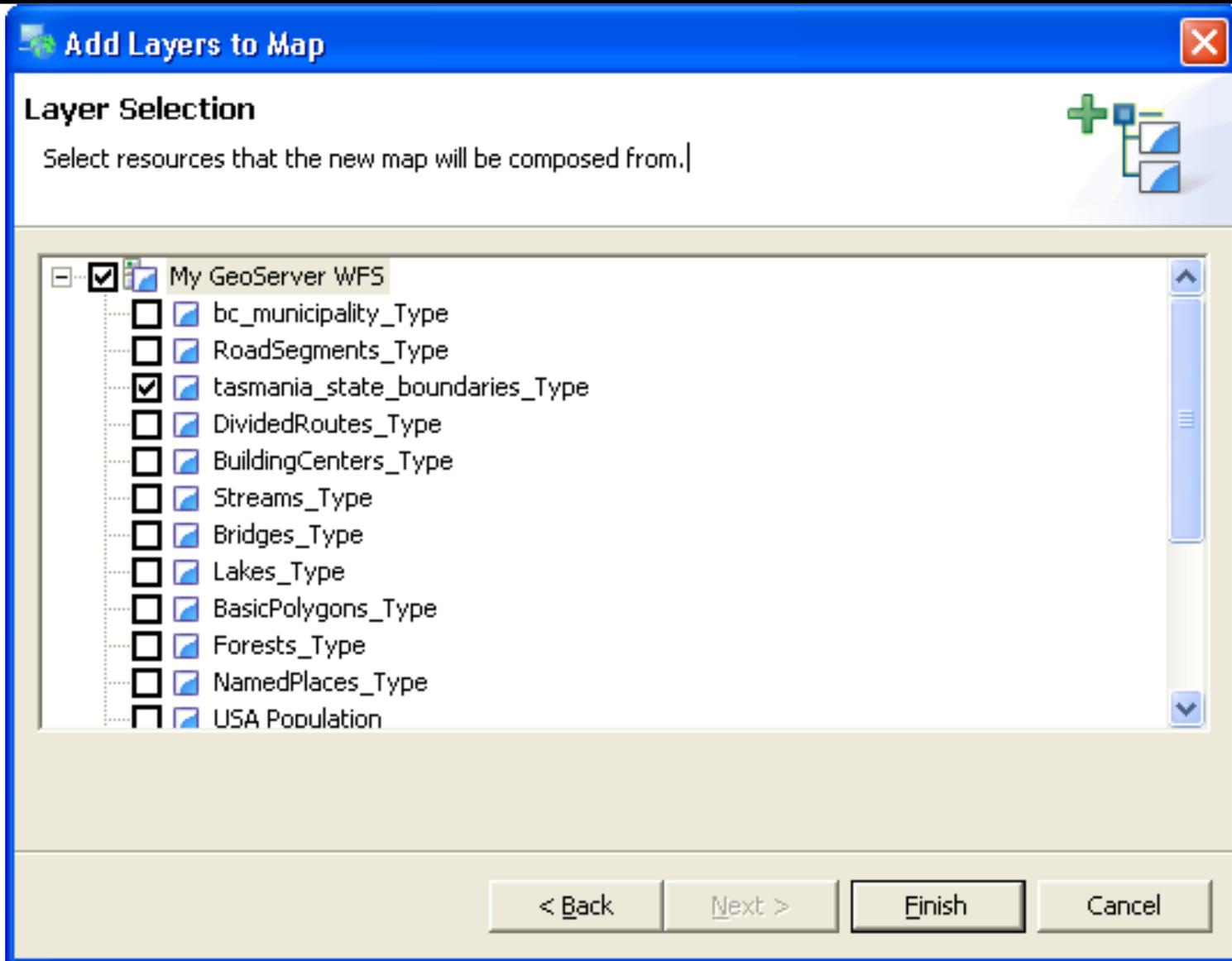
MapServer is a



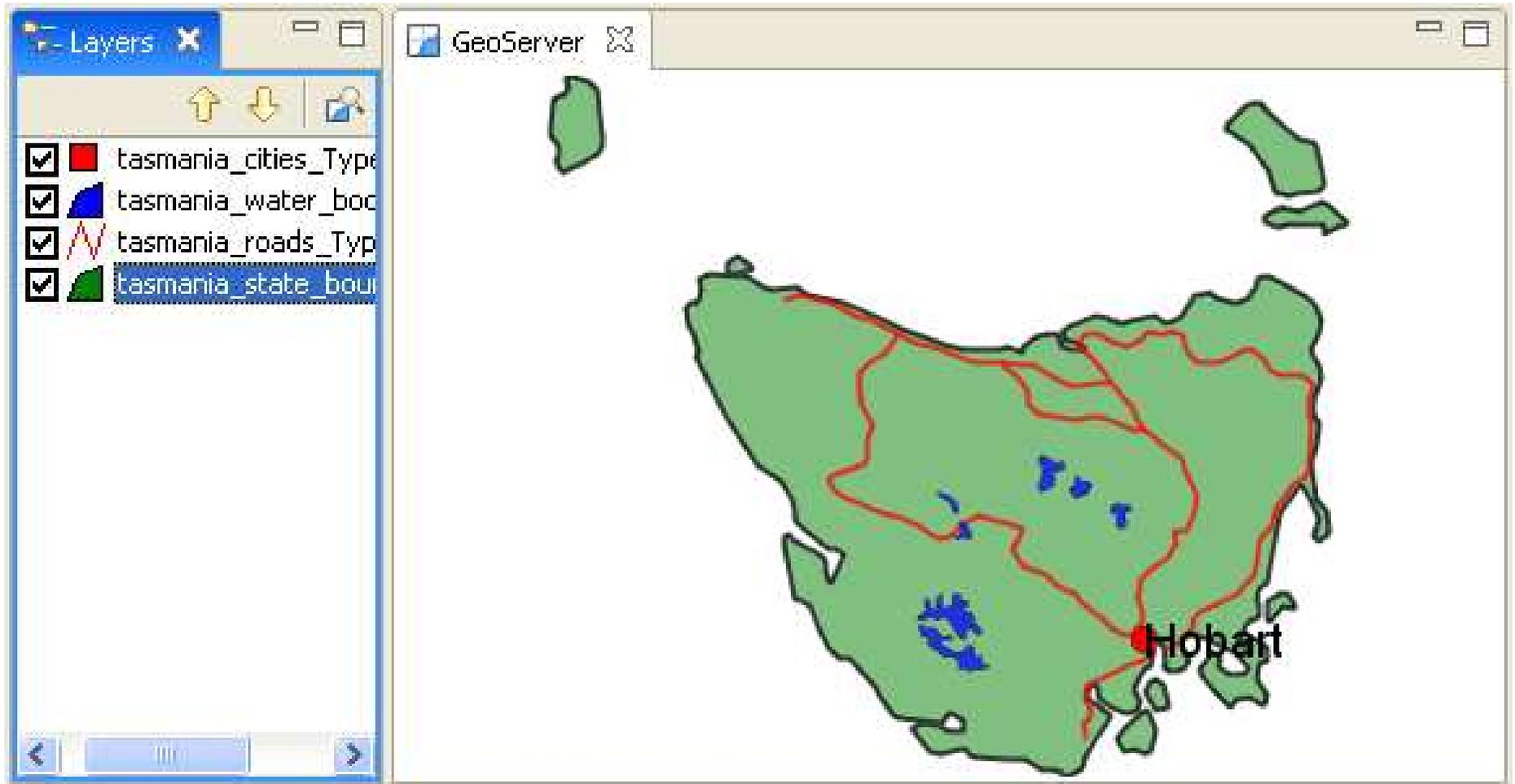
Layer



GeoServer is a



Layer



Do it Your Way

Populations At Risk

File Edit Navigation Layer Tools Analysis Test Window Help

Catalog Search: sahims

- Mozambique
 - Imagery, Base Maps, and L...
 - Elevation and Derived Produ...
 - Base mapping
 - Models and trends
 - Flood model
 - Buffered Flood mod...
 - Cultural, Society, and Demo...

Title: SAHIMS population by district
Description: Population information developed by the US Census using a

Regions of Concern

NAME	DESCRIPTION
Mozambique1	
Region Name	Mozambique1
Description	
Created By	mieslie
Created Time	Jun 14, 2005
URL	
Attachment	

SAHIMS population by district

- Population < 57675
- 57676 < Population < 123097
- 123098 < Population < 214748
- 214749 < Population < 515087
- 515088 < Population < 1391499

Developers!

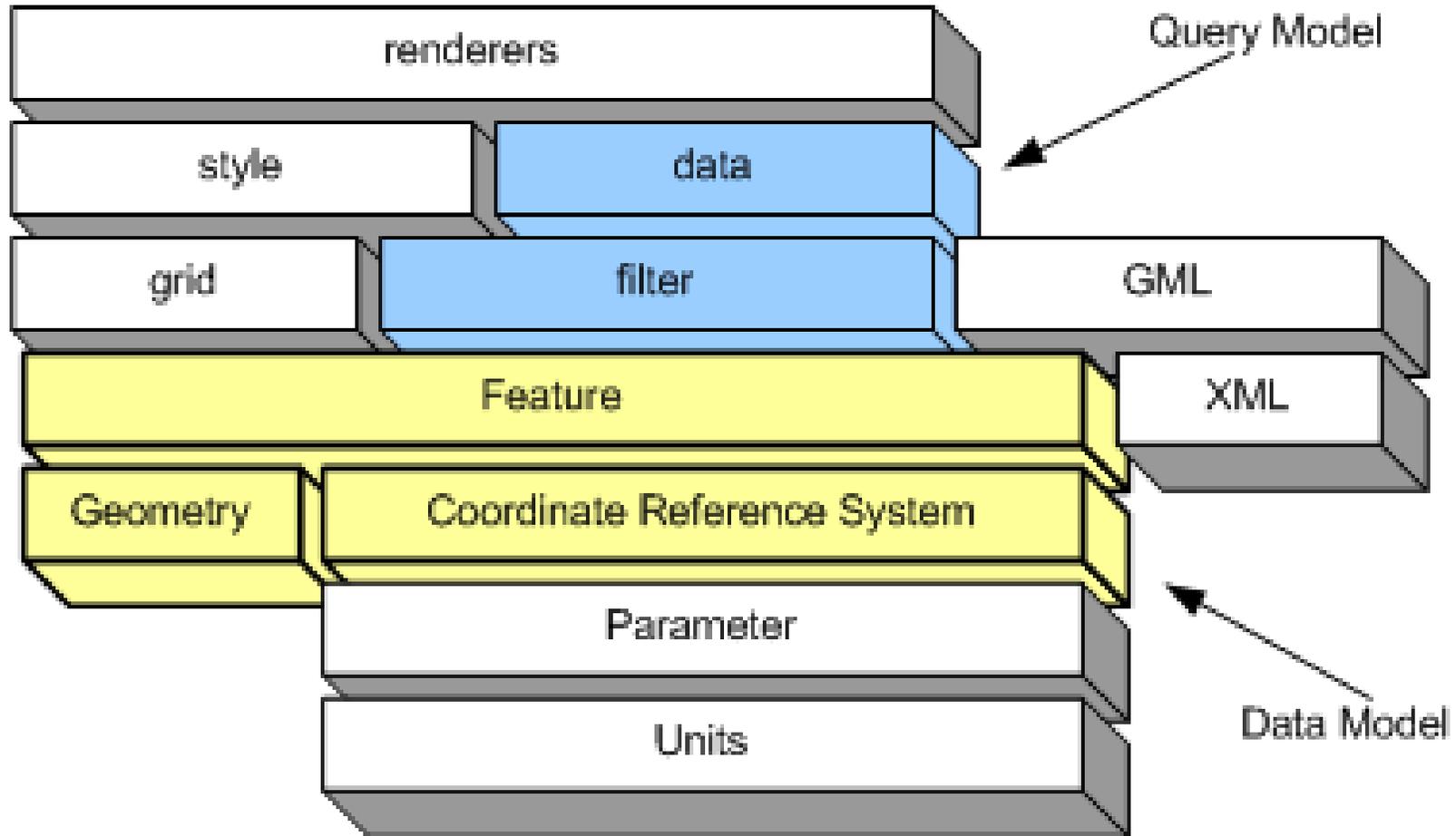
We got it going on ...

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

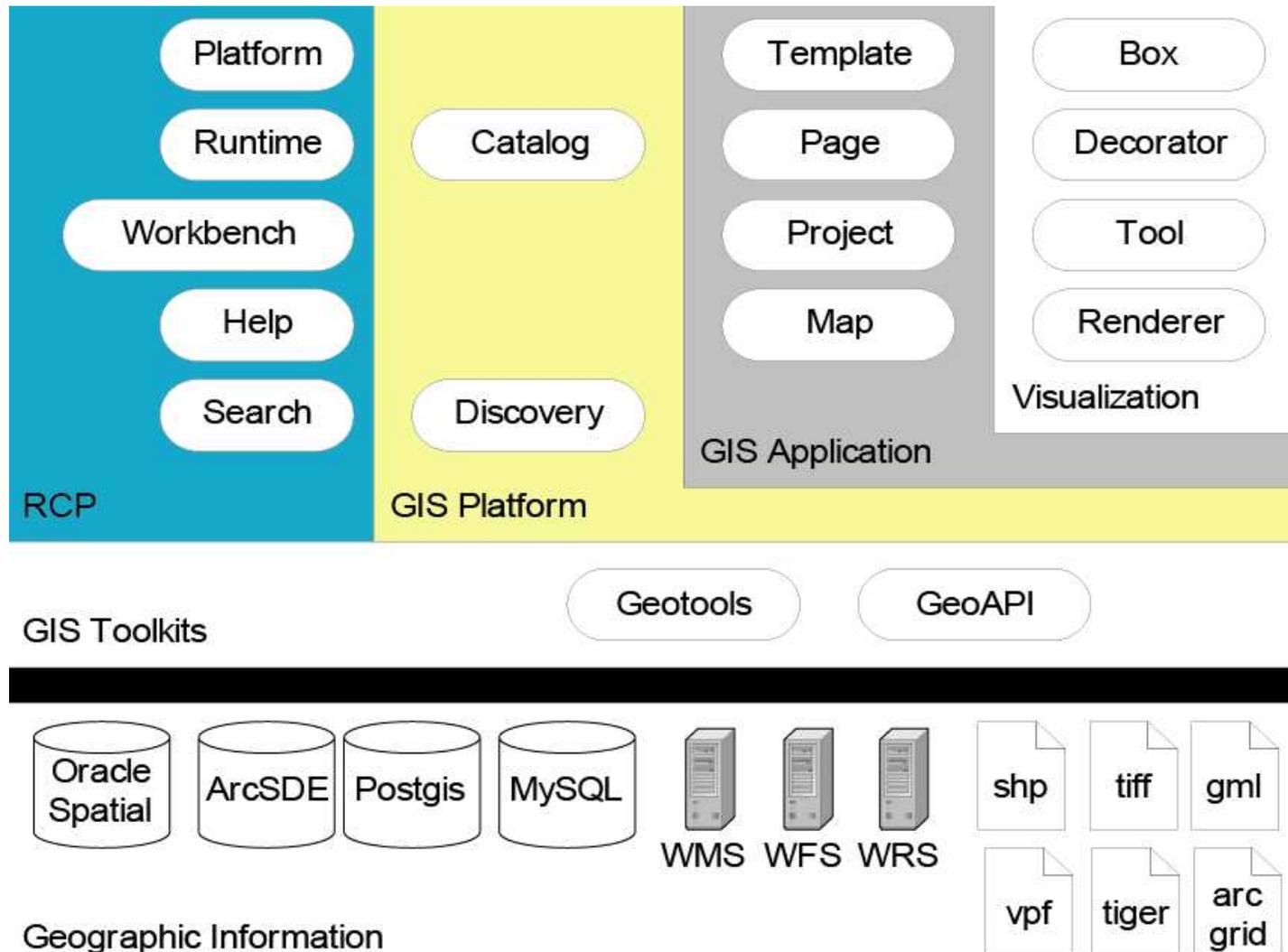
Part of the Community

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

GeoTools

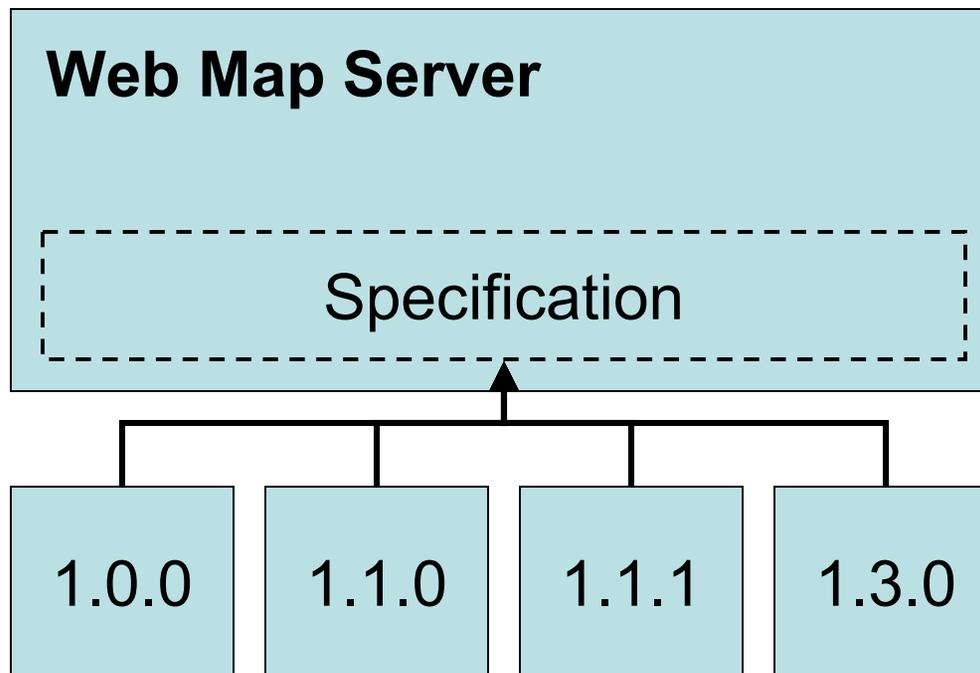


Architecture of uDig

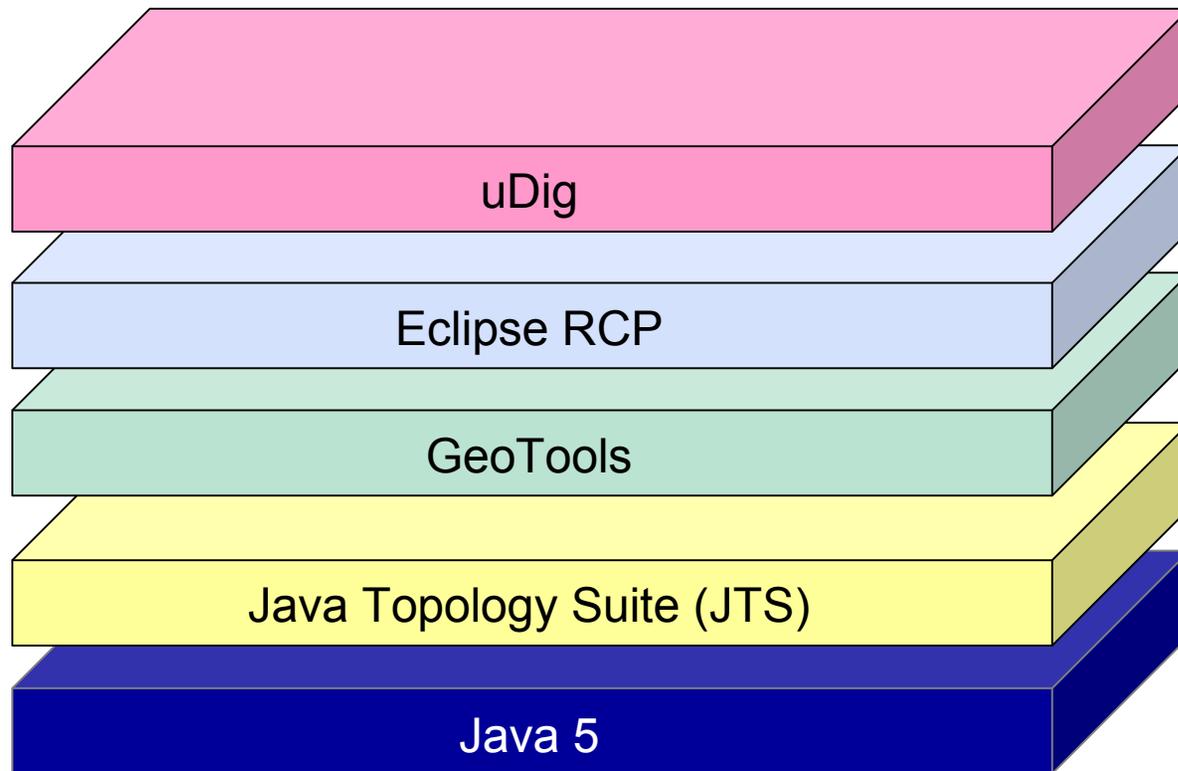


GeoTools – WMS Client

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

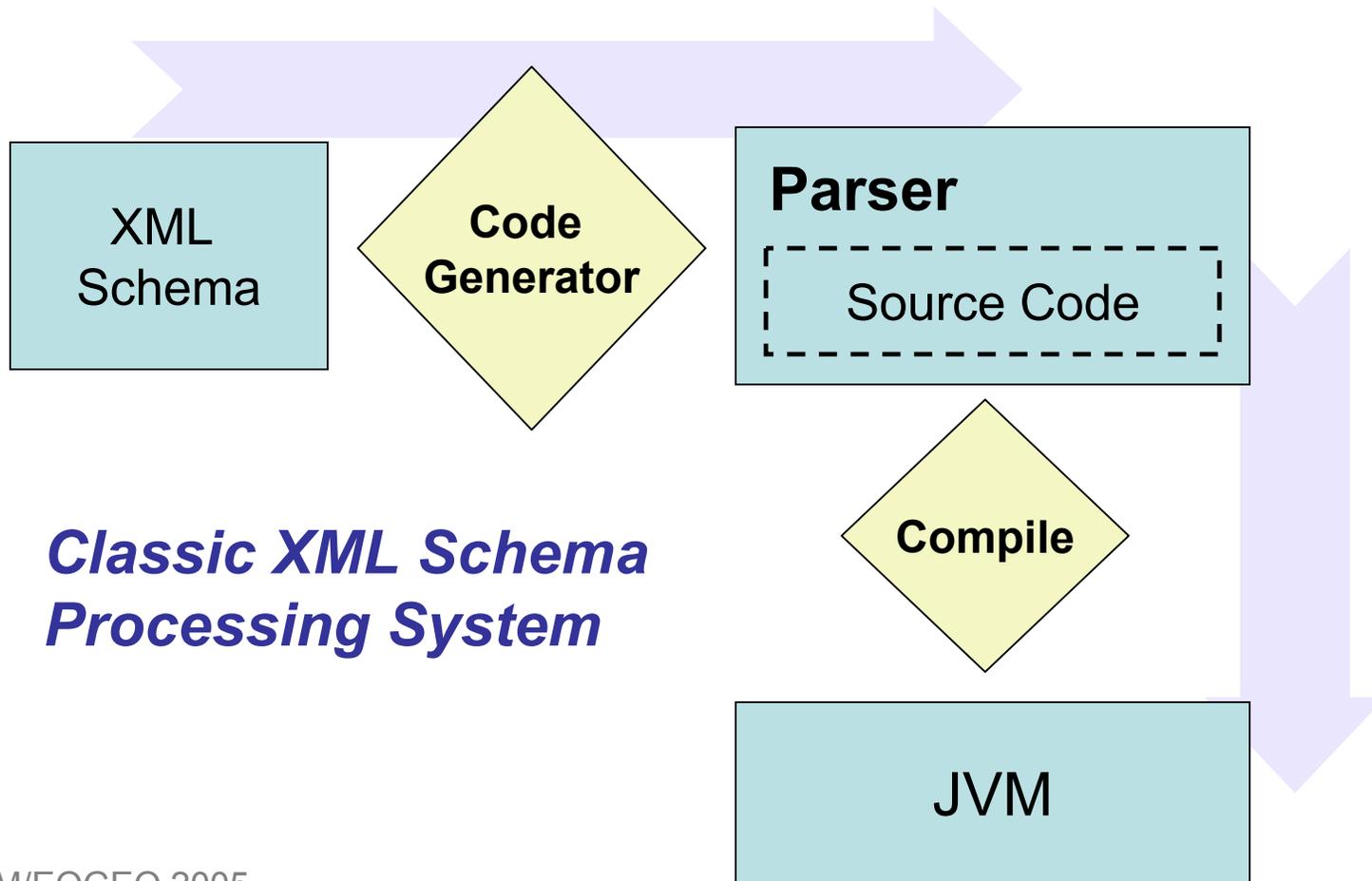


Technology Stack



GeoTools – WFS Client

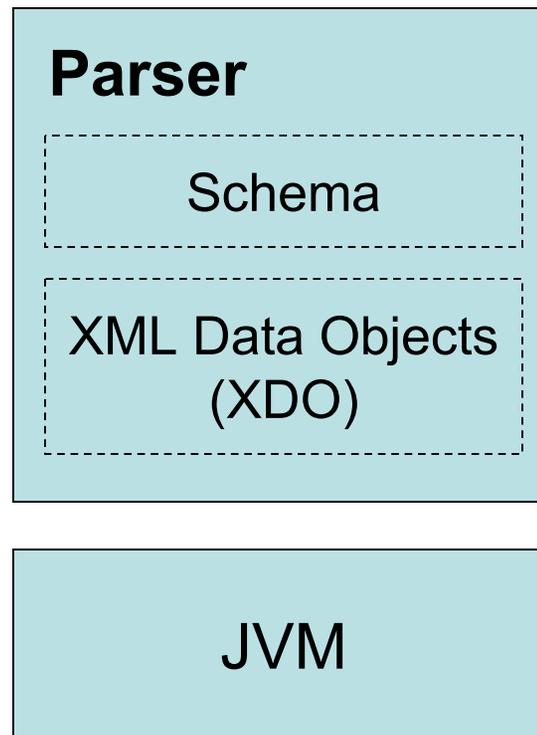
- We wrote generic WFS client
 - GML handling is hard!



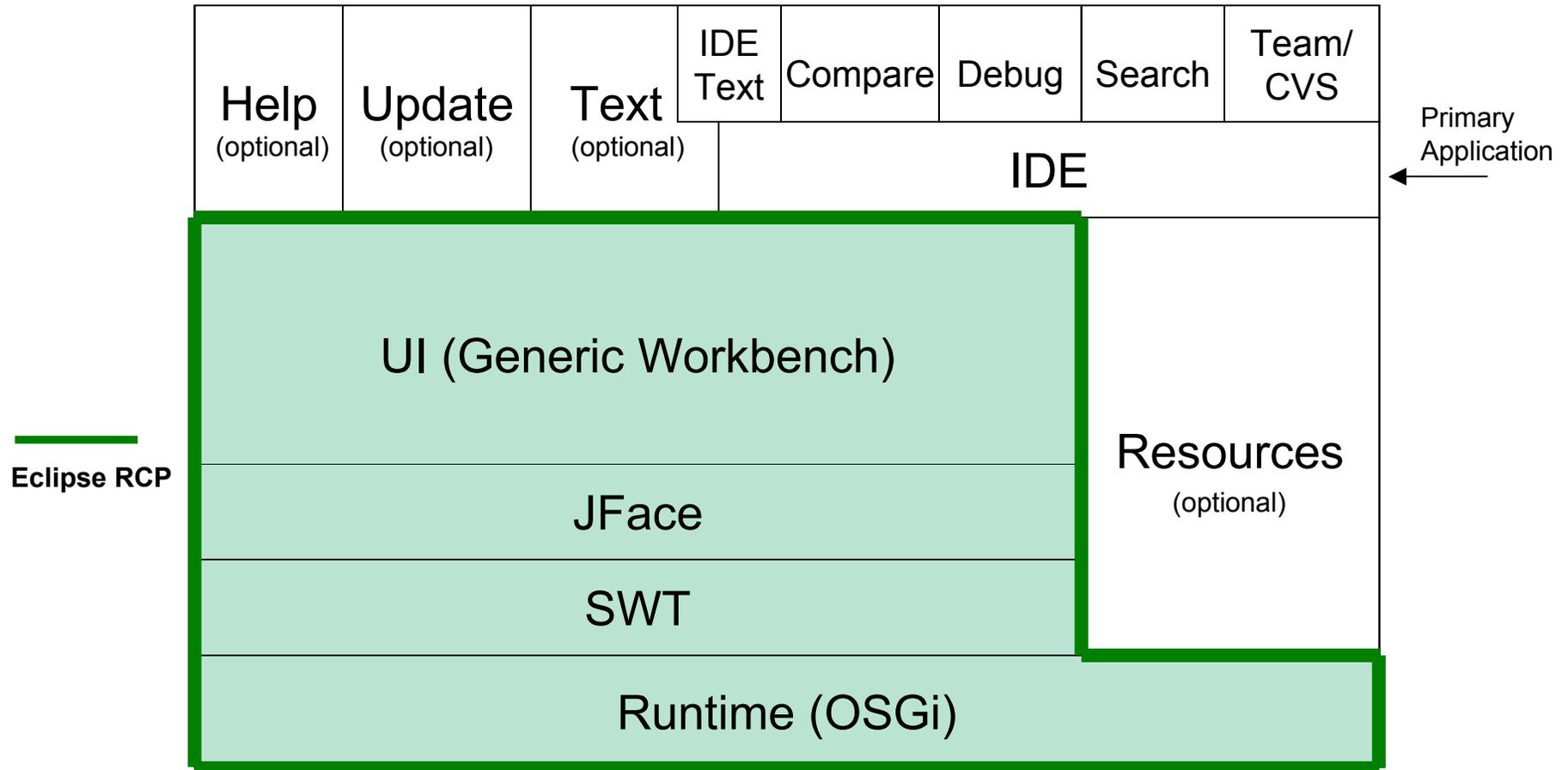
GeoTools – WFS Client

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

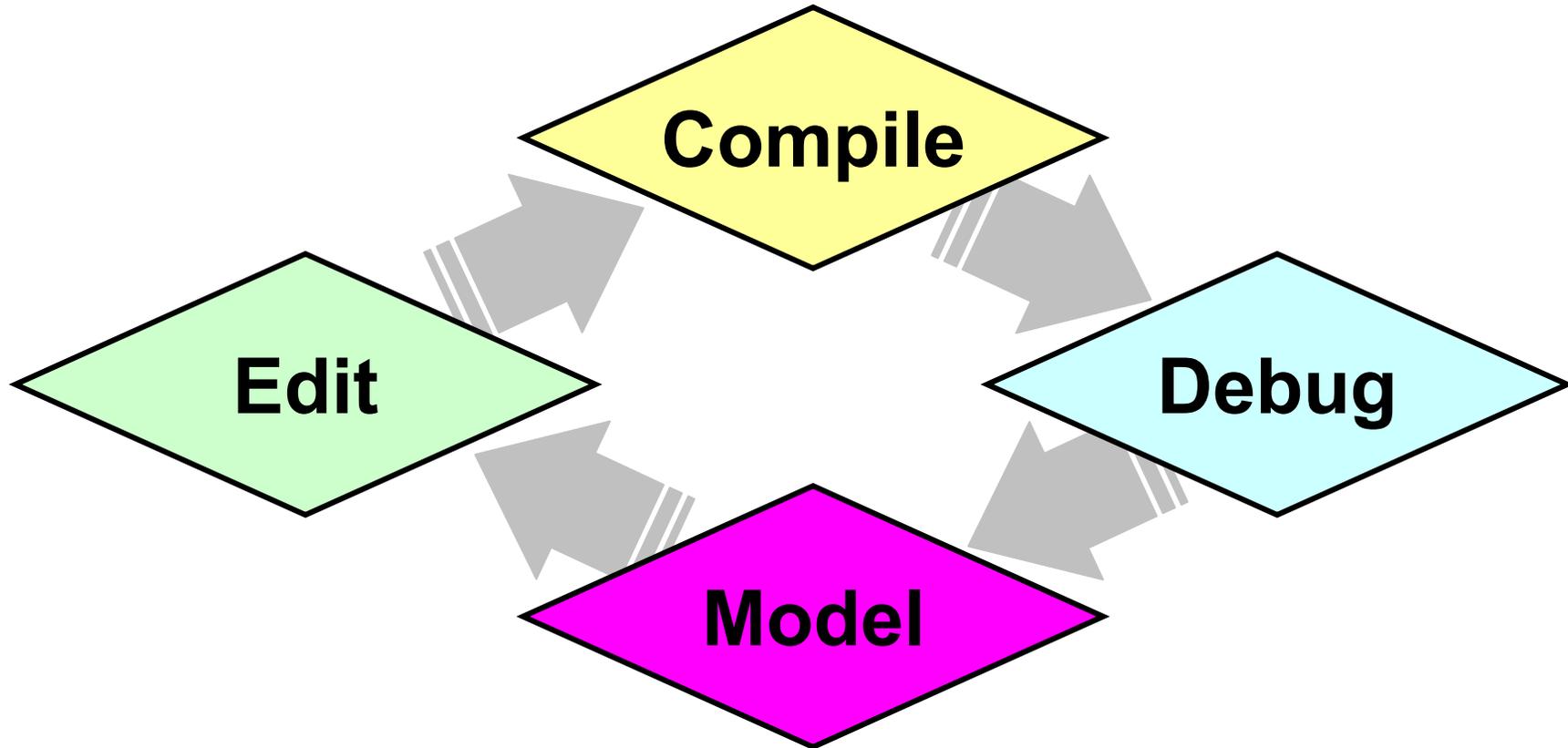
*Our XML Schema
Processing System*



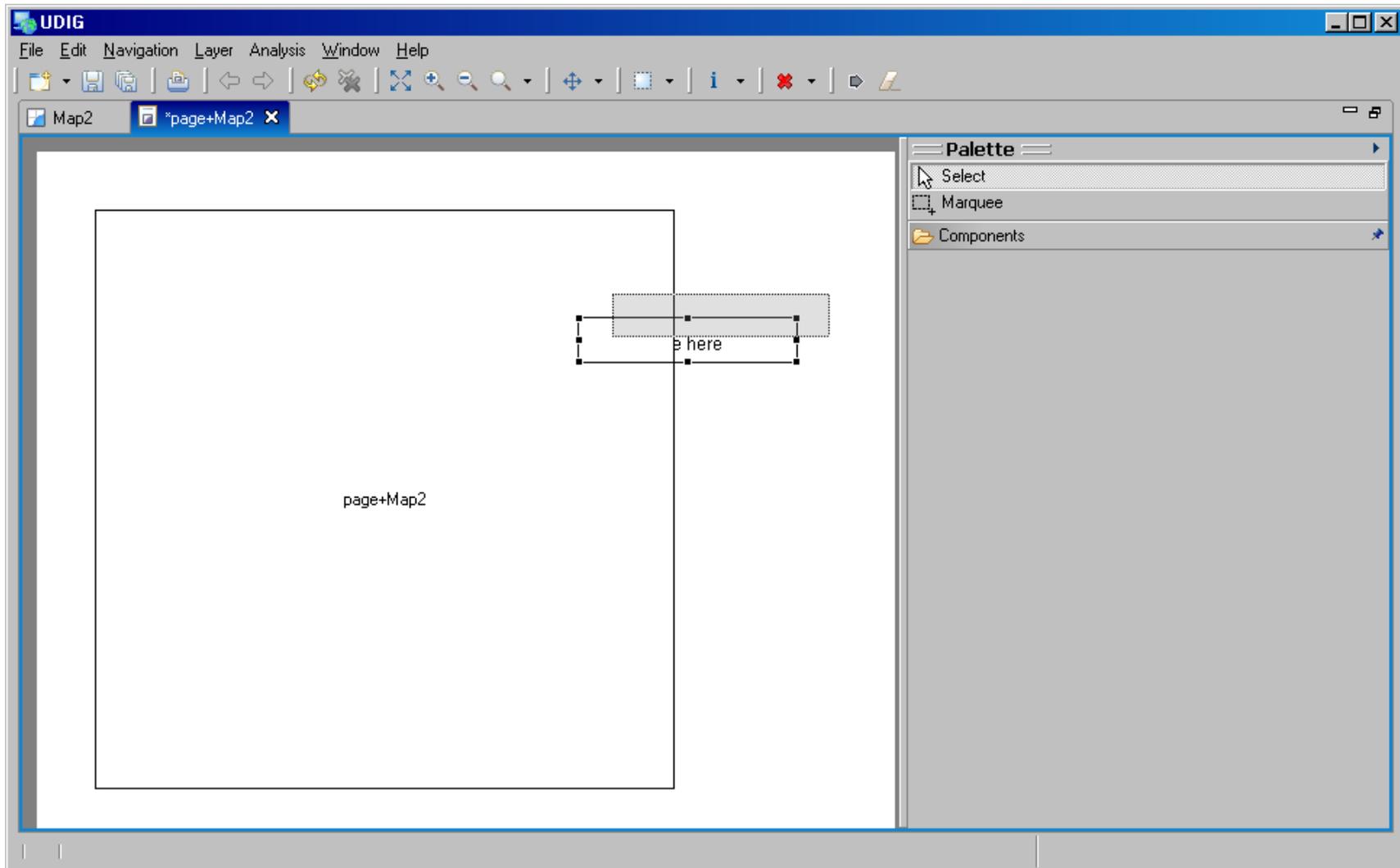
Eclipse RCP



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!)