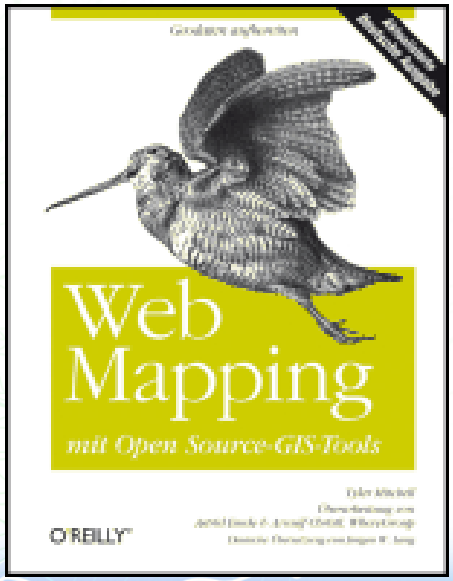
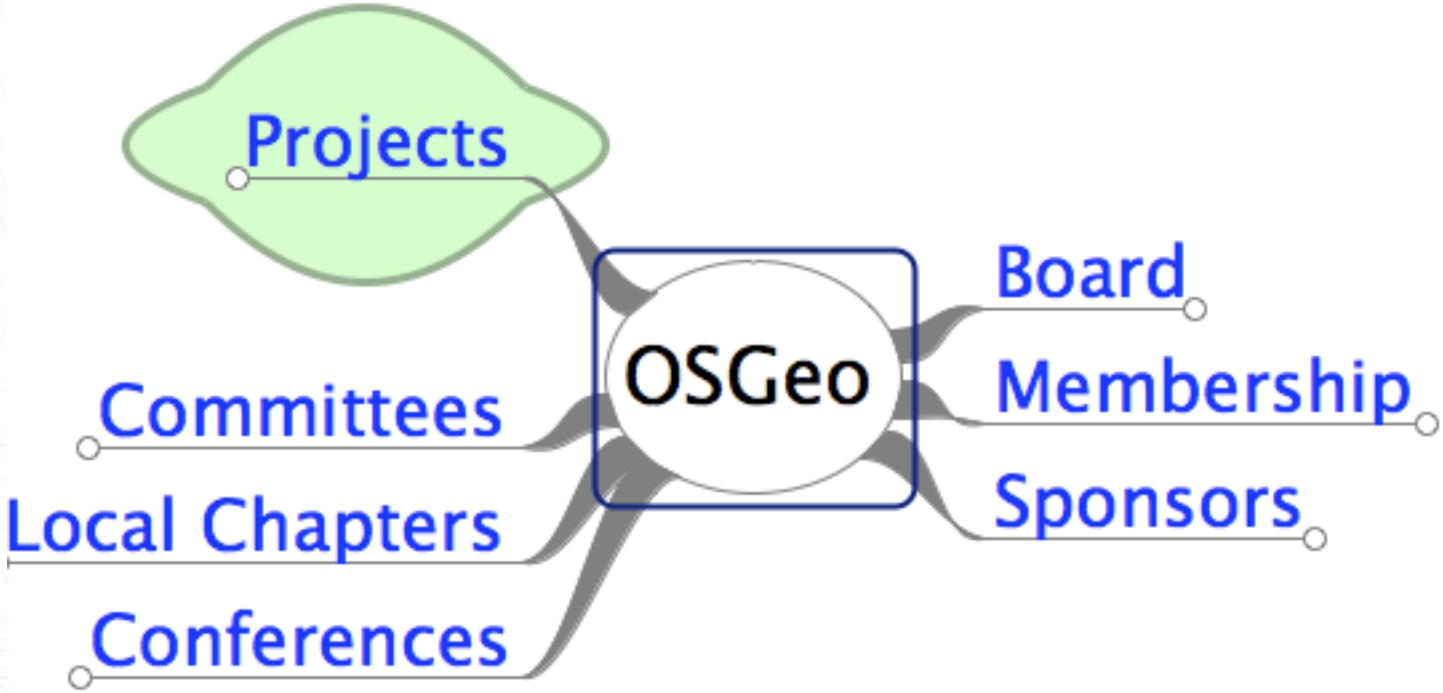
OSGeo's Open Source Mapping Stack

Beyond Features & Tools

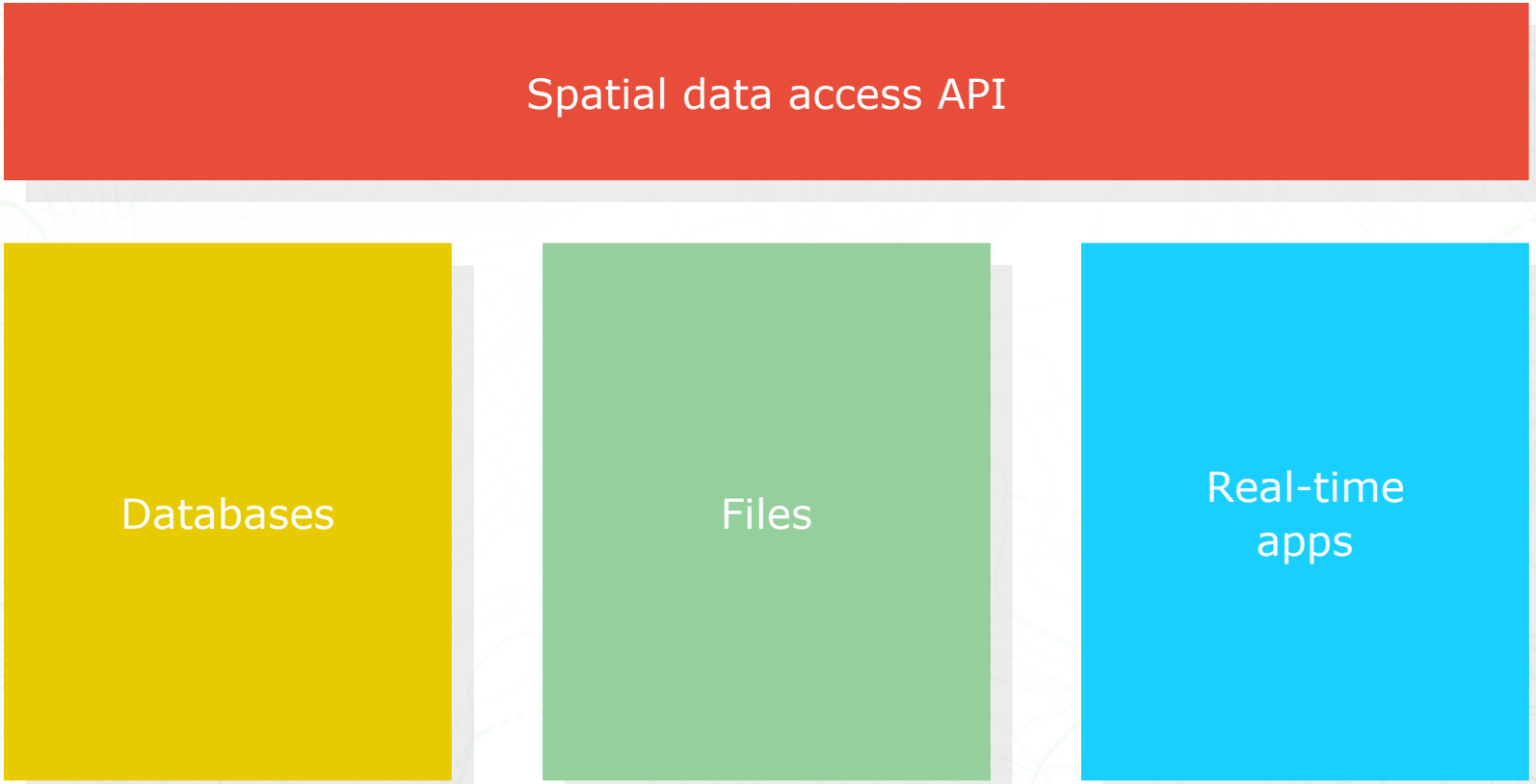
- Geographer, GIS Professional
- Author, *Web Mapping Illustrated*
- Executive Director & Charter Member
  Open Source Geospatial Foundation



OSGeo's Ecosystem



Geospatial Data Components

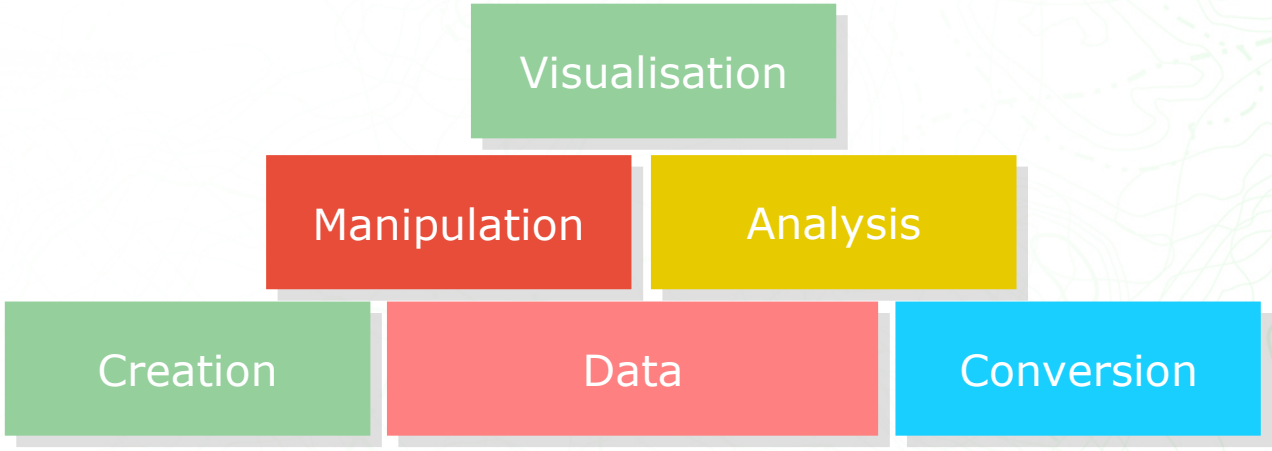


Functional Components

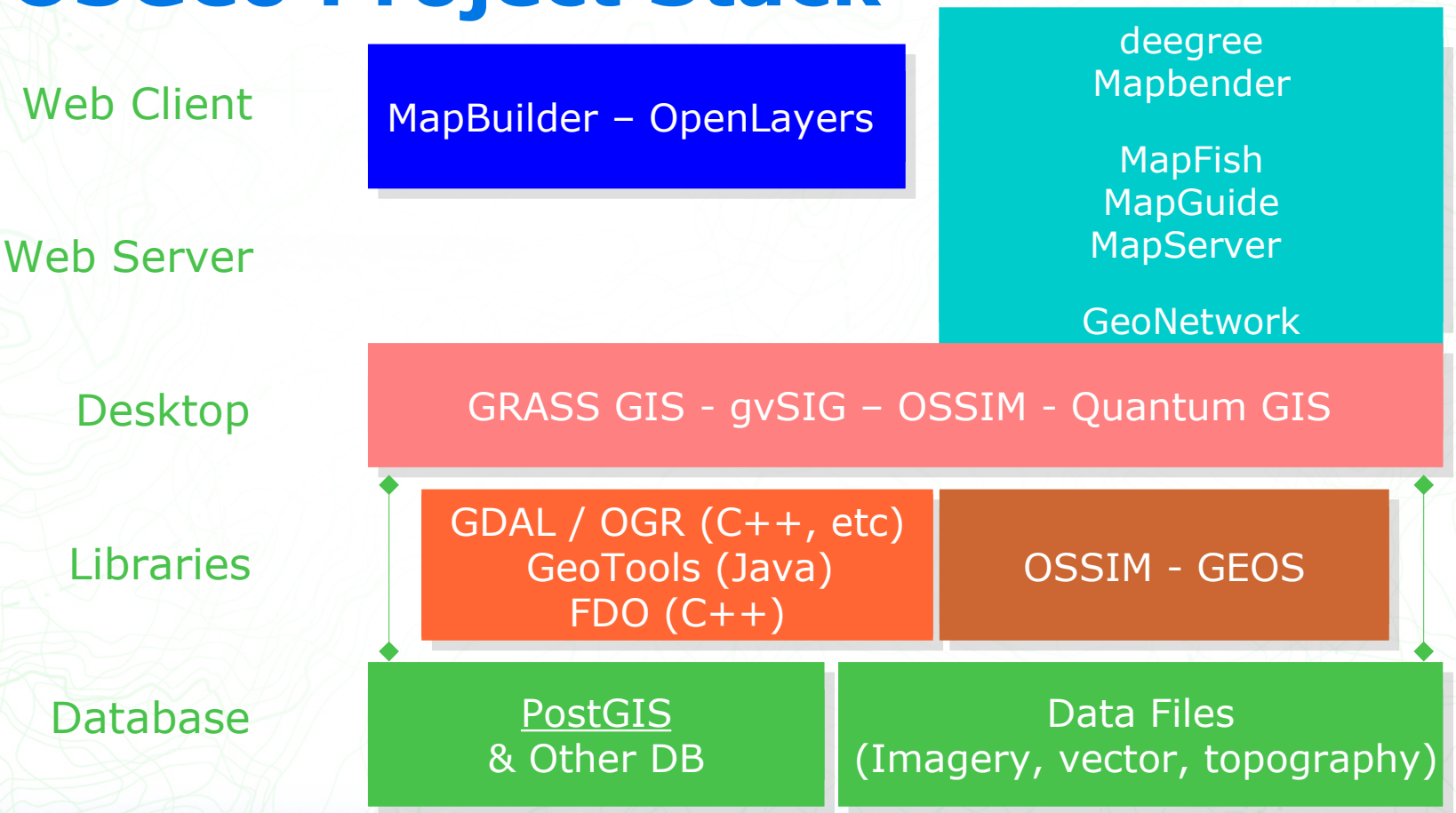
Mapping

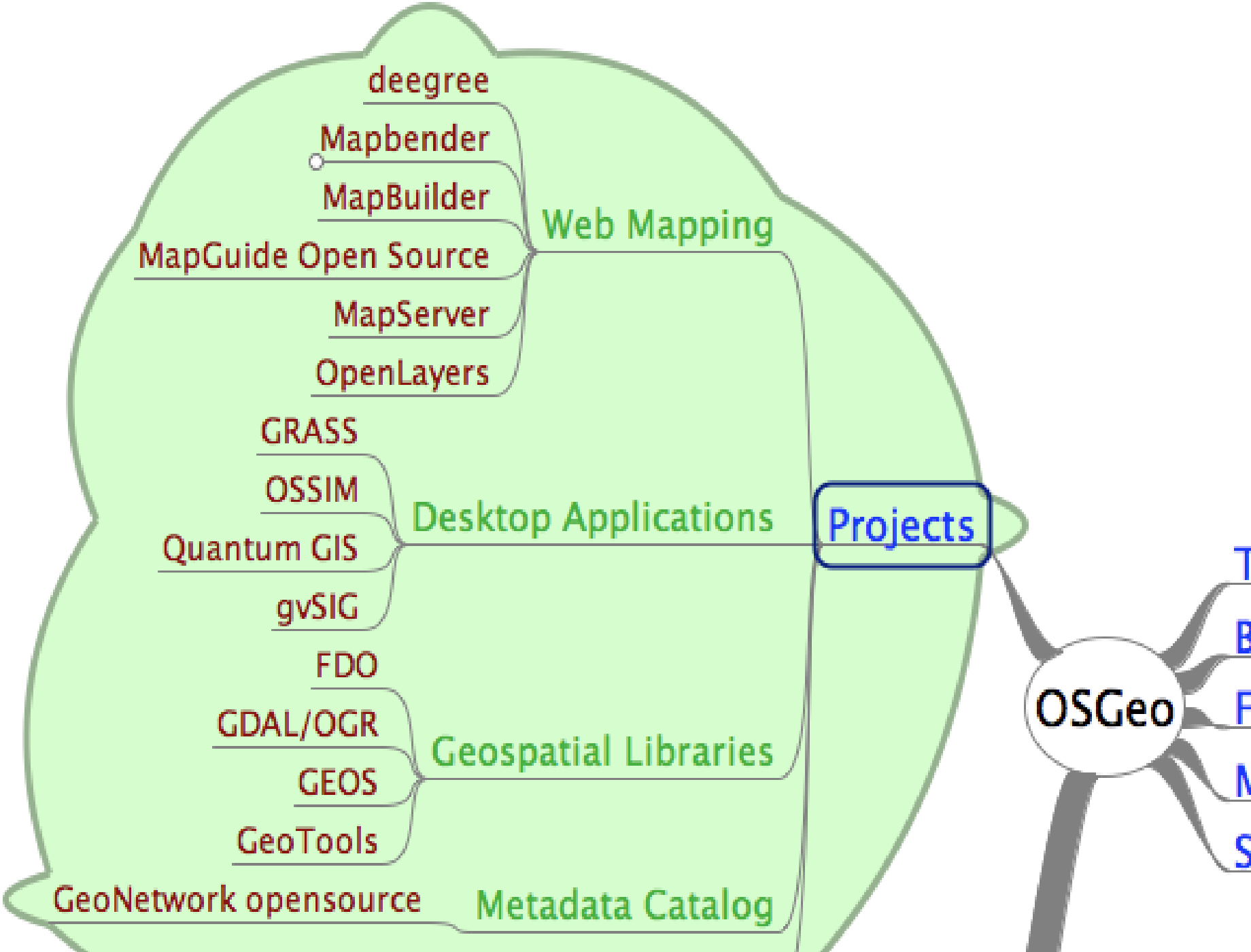
Spatial Analysis (GIS)

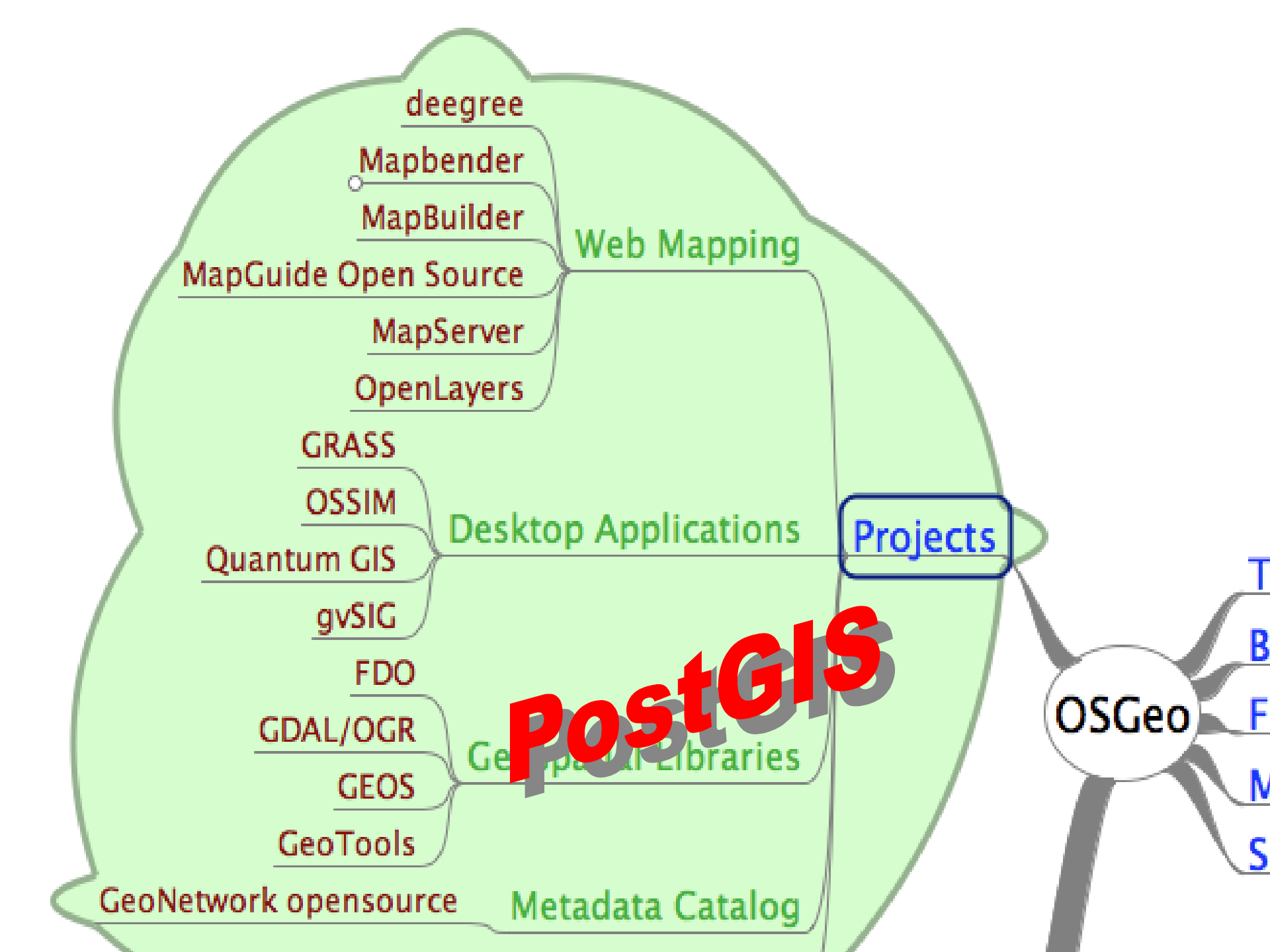
Data Management



OSGeo Project Stack




deegree
Mapbender
MapBuilder
MapGuide Open Source
MapServer
OpenLayers
Web Mapping
GRASS
OSSIM
Quantum GIS
gvSIG
Desktop Applications
FDO
GDAL/OGR
GEOS
GeoTools
Geospatial Libraries
GeoNetwork opensource
Metadata Catalog
Projects
OSGeo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Metadata Catalog
GeoNetwork opensource
PostGIS
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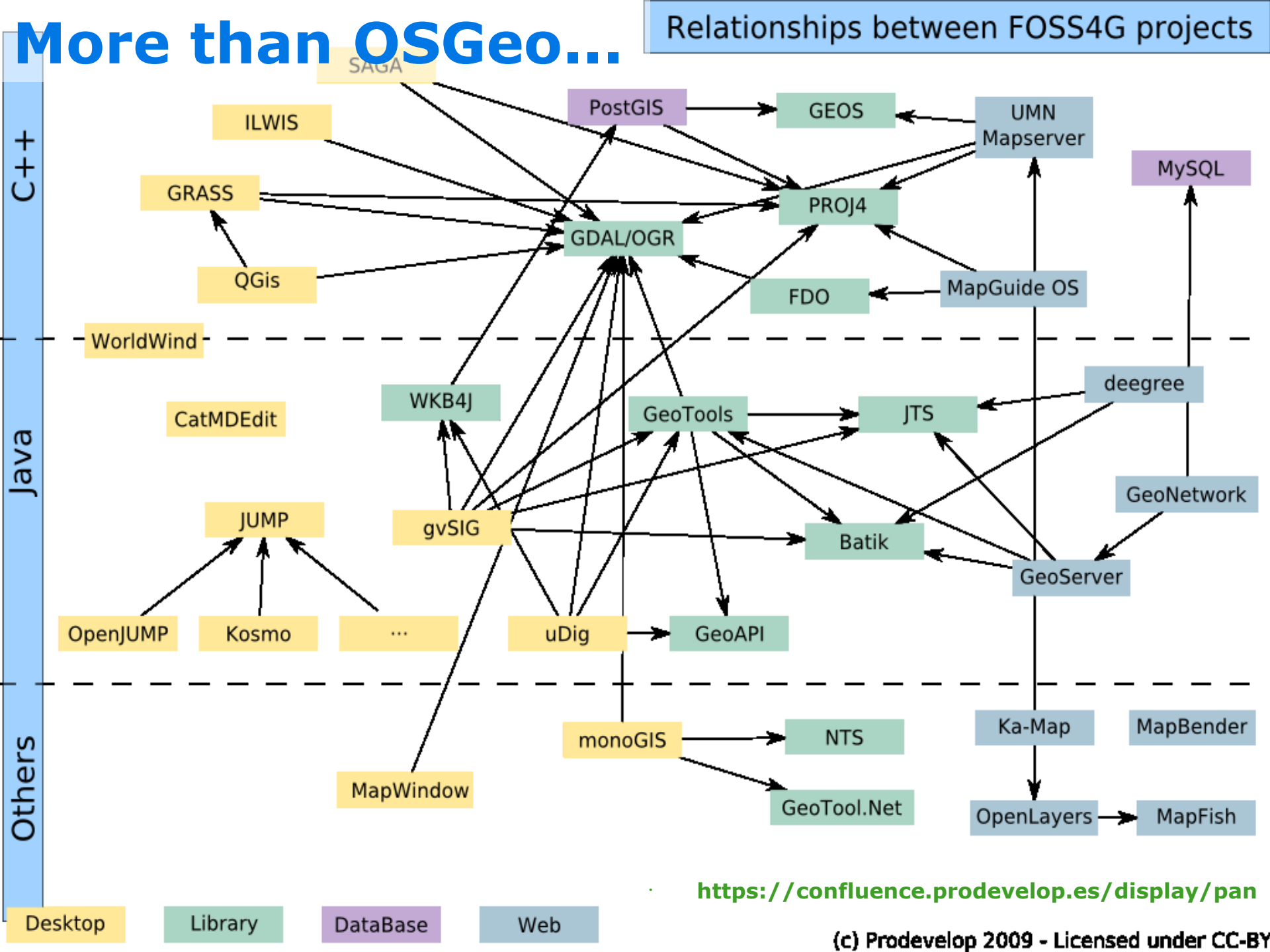
More than OSGeo...



https://confluence.prodevelop.es/display/pan

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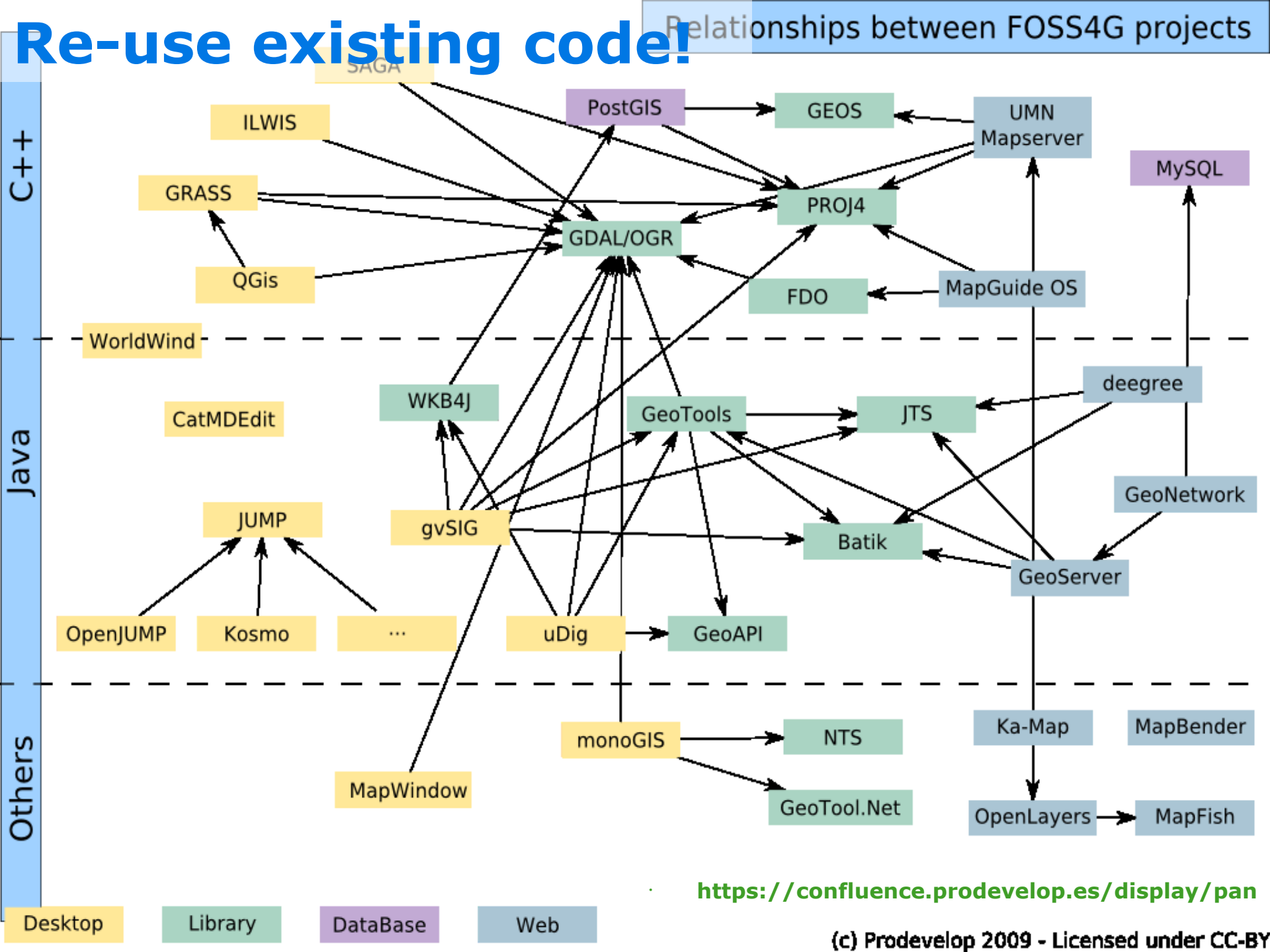
Re-use existing code!



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Project Development Statistics
Updated: 2-Nov-2008

Project (link to stats page)	Codebase Lines of code	Contributors	Effort (person years)	Est. cost $USD
deegree	475,756	20	125	6,880,114
gvSIG	1,797,359	62	506	27,804,278
GEOS	93,369	14	23	1,252,806
Feature Data Objects (FDO)	770,748	22	212	11,679,154
GeoNetwork opensource	359,225	11	93	5,122,974
GeoTools	1,472,845	46	410	22,548,581
GDAL	619,706	26	170	9,357,931
Quantum GIS	193,174	34	50	2,761,972
OSSIM	525,942	21	143	7,846,712
GRASS GIS	518,049	61	140	7,682,948
OpenLayers	68,695	12	17	913,757
MapServer	108,306	32	27	1,499,454
MapGuide Open Source	360,959	34	95	5,240,110
Community MapBuilder	141,198	24	35	1,921,633
Mapbender	261,029	23	68	3,713,822
Total	**7,766,360**	**442**	**2,114**	**116,226,246**

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547 ----

2009 YTD

51% this year

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http://www.ohloh.net/stacks/151

Meeting Your Software Needs

- **Required Features**
  - Interoperability and standards**
  - Continuous improvement
  - Open development process (OSI)
  - Community support

Meeting Your Software Needs

- **Bonus features**
  - Relationship to other projects
  - Modular options
  - Proprietary integration

Beyond Features & Tools

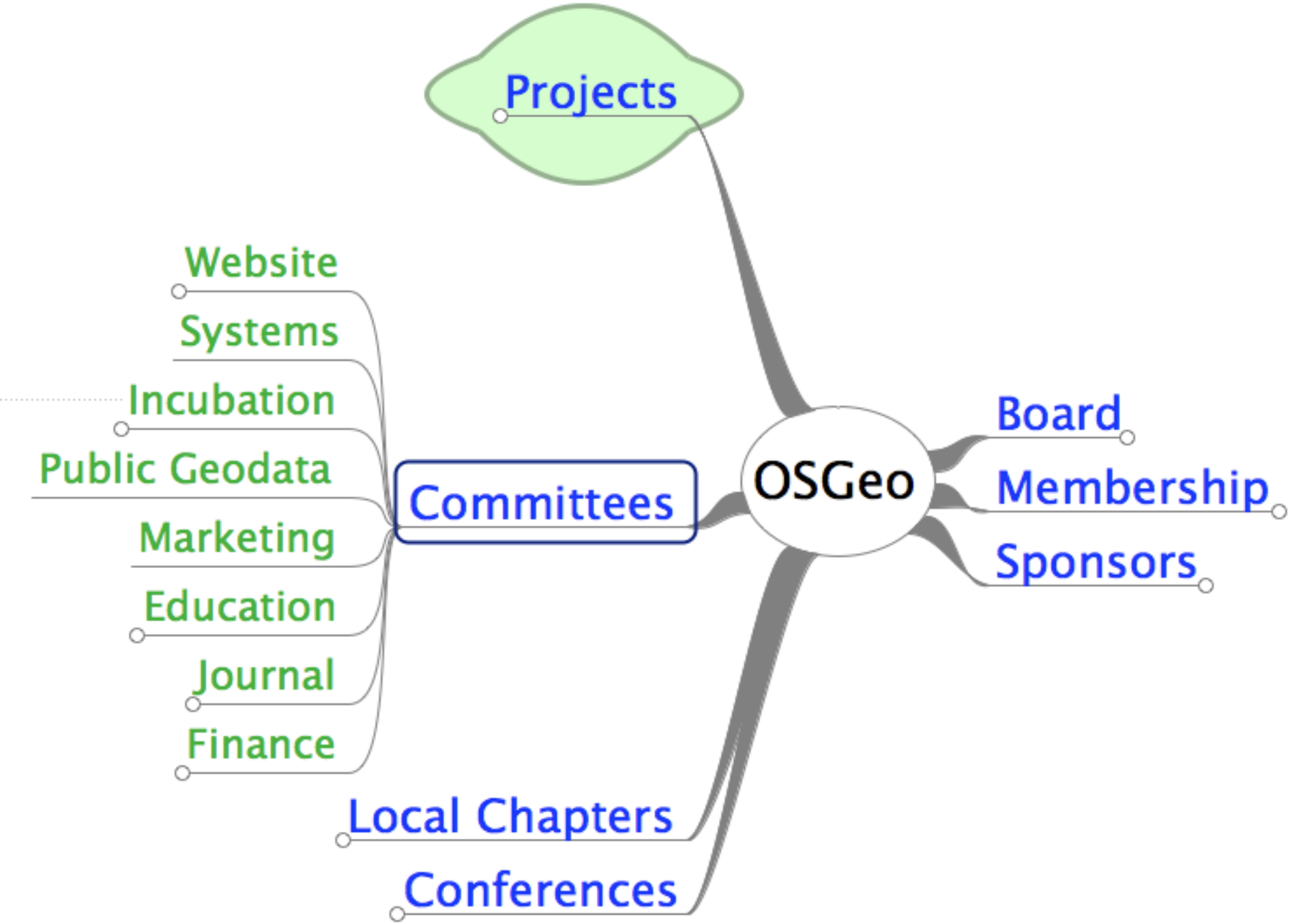
- Build Internal Capabilities
- Ties to Community Involvement

Build Internal Capabilities

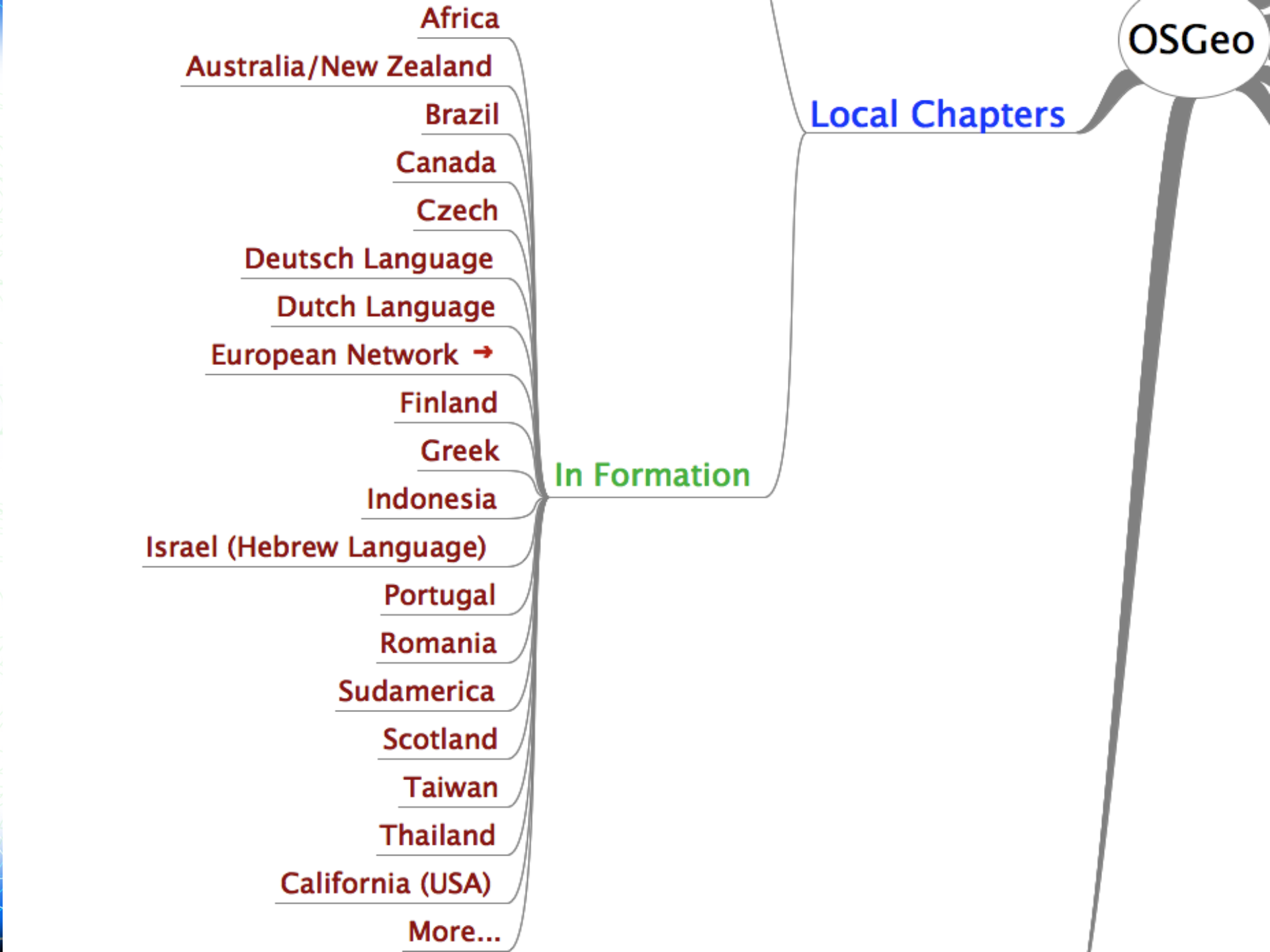
- Bypassing restrictive licensing
- Build a professional toolkit
- Expand your offerings
- Custom fit/flexible solutions delivery

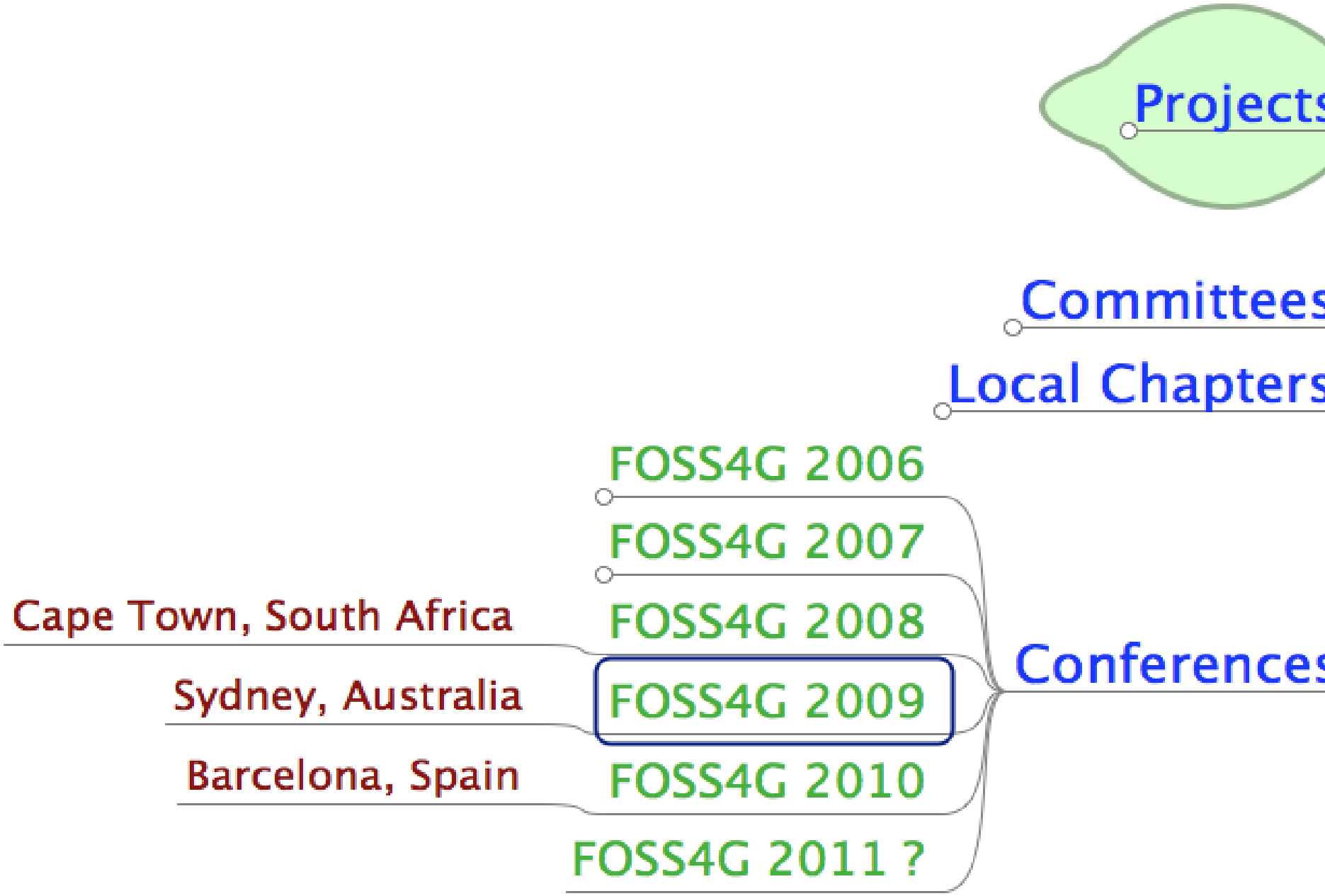
Community Involvement

- **Wide range of supporters**
  - Advocates, enthusiastic power users
  - Developers, writers, testers
  - Sponsors!


Projects
Website
Systems
Incubation
Public Geodata
Marketing
Education
Journal
Finance
Committees
OSGeo
Board
Membership
Sponsors
Local Chapters
Conferences

Committees
China
India
Japan
Ottawa (Canada)
New Mexico (USA)
Italian Language
French Language
German
Korean
Poland
Spanish
United Kingdom
More...
Official
OSGeo
Local Chapters
In Formation


OSGeo
Local Chapters
In Formation
Africa
Australia/New Zealand
Brazil
Canada
Czech
Deutsch Language
Dutch Language
European Network
Finland
Greek
Indonesia
Israel (Hebrew Language)
Portugal
Romania
Sudamerica
Scotland
Taiwan
Thailand
California (USA)
More...


Projects
Committees
Local Chapters
Conferences
FOSS4G 2006
FOSS4G 2007
FOSS4G 2008
FOSS4G 2009
FOSS4G 2010
FOSS4G 2011 ?
Cape Town, South Africa
Sydney, Australia
Barcelona, Spain

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Your Outlook for 2010

- **Aim high!**
  - Expect more from your software
  - Get under the hood and re-use
- **Expand your abilities**
  - Break out – meet tomorrow's standards
  - Invest in your organisation
- **Join Us!**
  - Encourage your professionals
  - Support others and be supported

OSGeo
Your Open Source Compass

Contact Me

52.1534 N, 122.1498 W

Tyler Mitchell

Executive Director

OSGeo.org

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Tel +1-250-303-1831