

Introduction to OSGeo and QGIS



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Agenda

- Using QGIS
- Developing QGIS
- Open Source Ecosystems
- OSGeo's role and Structure

What are you missing?

- User Group

What is QGIS?



QGIS is a full featured Desktop GIS

- Raster and Vector data capabilities
- OGC standard support
- Database support Postgres/PostGIS, etc.
- Editing, Analysis, Processing
- Standard Pug-In API
- Most everything you will ever need!

What is Open Source?

- Development model (Think Crowd Sourcing)
- Licensing model (also Free Software)
- Licensed and Copyrighted
- Business Model
- Community
- Software

What is Open Source... **Not?**

- | | |
|--------------------------|----------------------------|
| ■ Unfriendly to Business | ■ Not true |
| ■ Low Quality | ■ Not true |
| ■ Lacking Features | ■ Not true |
| ■ Without Support | ■ Not true |
| ■ Unlicensed | ■ Not true |
| ■ Free of Cost | ■ Not true |
| ■ Cheap Replacement | ■ Not true. Well, maybe... |
| ■ Disruptive | ■ Probably Yes |

What is Open Source... Not?

- Unfriendly to Business
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- Disruptive

FUD

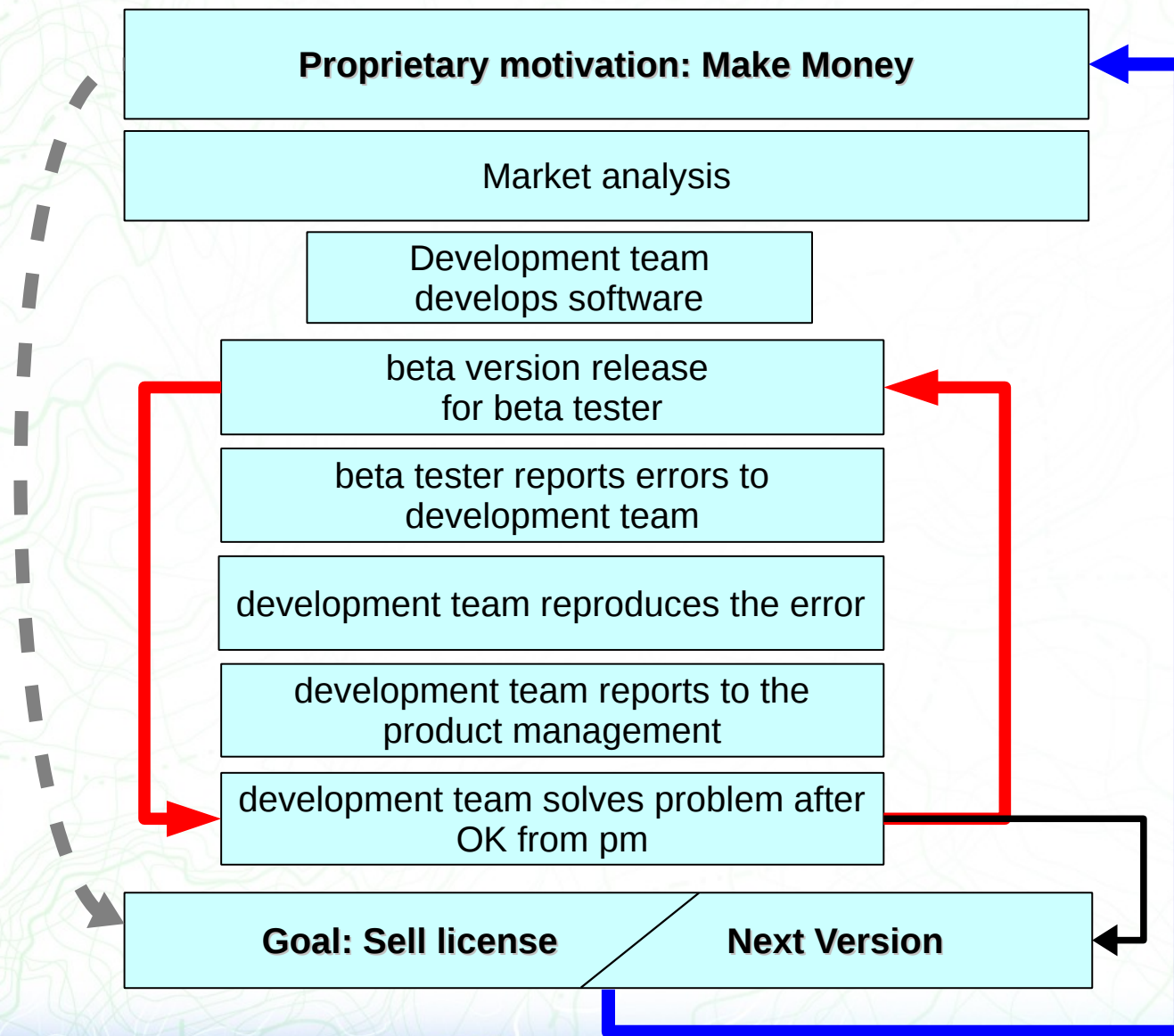
Fear, Uncertainty & Doubt

Software Development

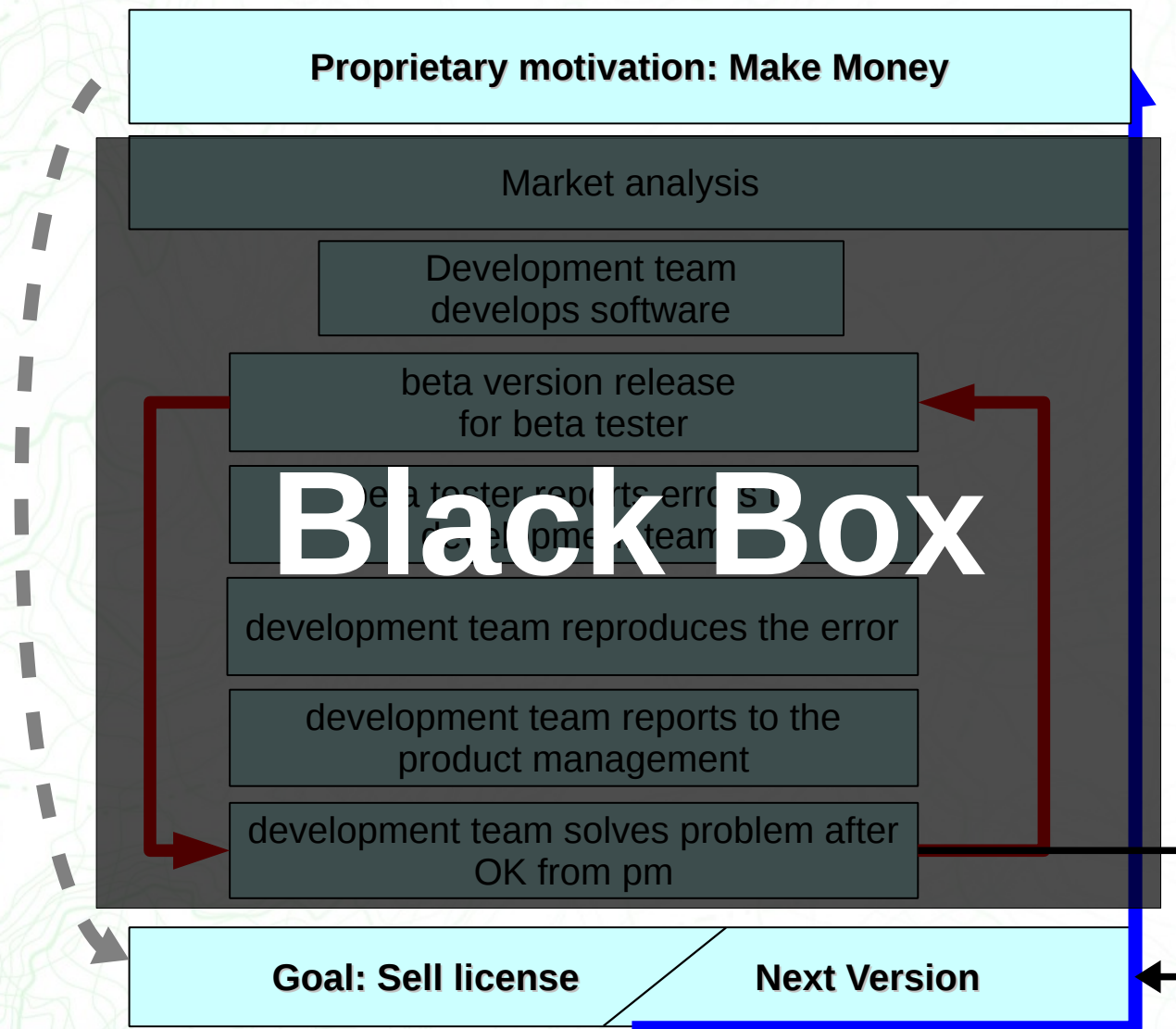
Software Life Cycle?

Software does not rust, break, deteriorate, rot, get sick, suffer from old age or die!

Software is time- & ageless.



Closed Development



Ask questions:

When is the software released?

When is new functionality implemented?

Who cares if something breaks?

How many people develop software?

What do the other employees do?

Open Source Software



Problem is identified

Software development team
Solves the problem

<https://www.qgis.org/en/site/getinvolved/development/index.html>

Publish Software (& Code)

Software
Development
Cycle

Software users have new
requirements, find bugs

Code is improved

new version is released

FOSS Licenses

- Clear BSD License
- GNU General Public License (GPL), Version 3
- GNU Lesser General Public License (LGPL), Version 3
- Apache License, Version 2.0
- Modified BSD license
- FreeBSD license
- Mozilla Public License (MPL) version 2.0
- XFree86 1.1 License
- etc.

<http://www.gnu.org/licenses/license-list.html#SoftwareLicenses>

What about Quality?

- Can you trust Open Source Software?
- Who will give Help?
- Who can answer questions?
- Who owns the License?
- What does it cost?
- Where do you find the best COTS Open Source Software?

Who do you ask?
Your Open Source Compass!



<http://www.osgeo.org>

OSGeo Foundation

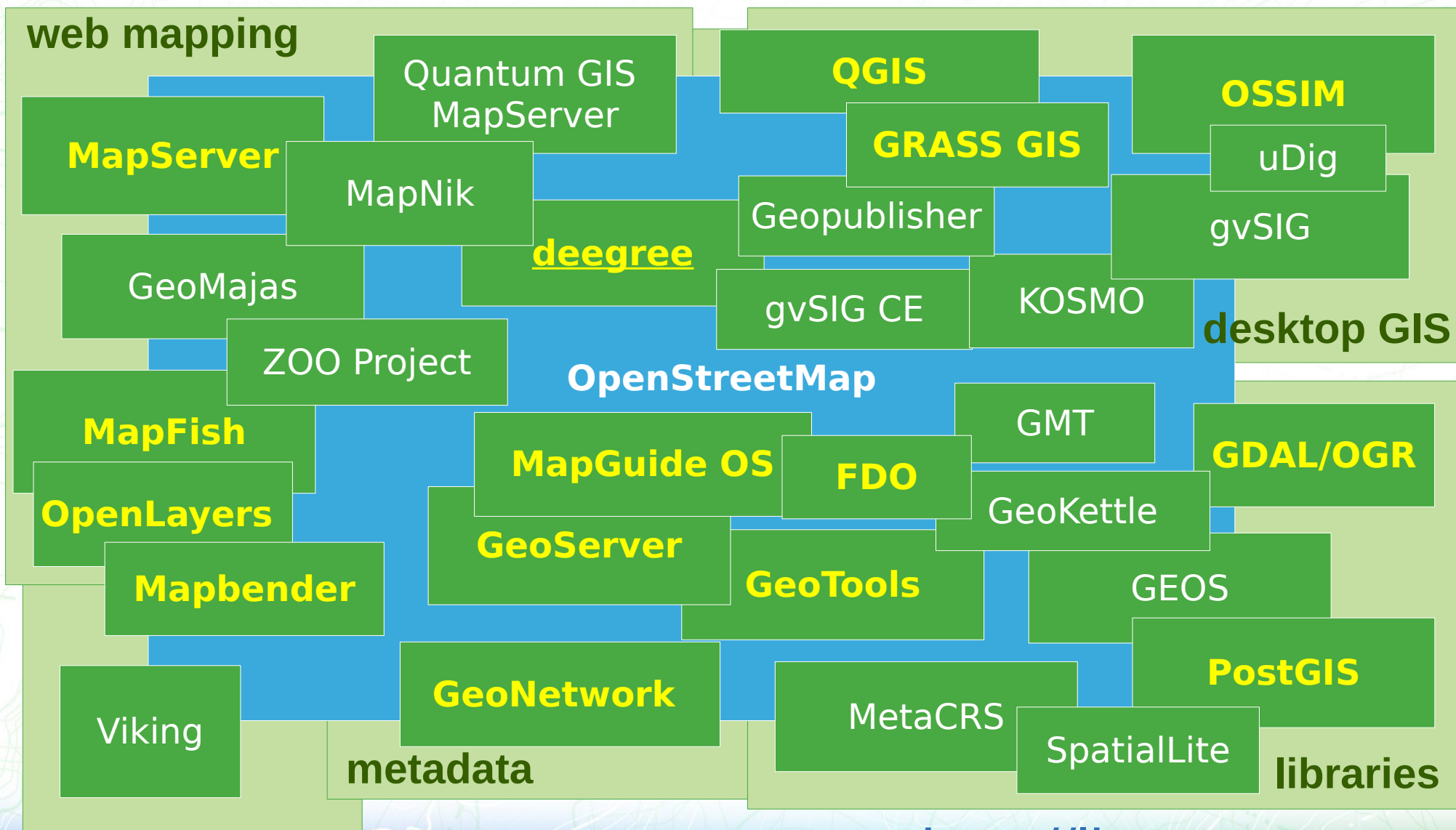
- OSGeo is a global not-for-profit organization founded in February 2006
- Leading voice for Geospatial Open Source
- Structure similar to the Apache Foundation
- Provides infrastructure and legal body
- Quality assurance for Software Projects
- Hosts user meetings and conferences

OSGeo's Mission

Support and Promote
Highest Quality
Open Source Geospatial Software!



Enterprise ready



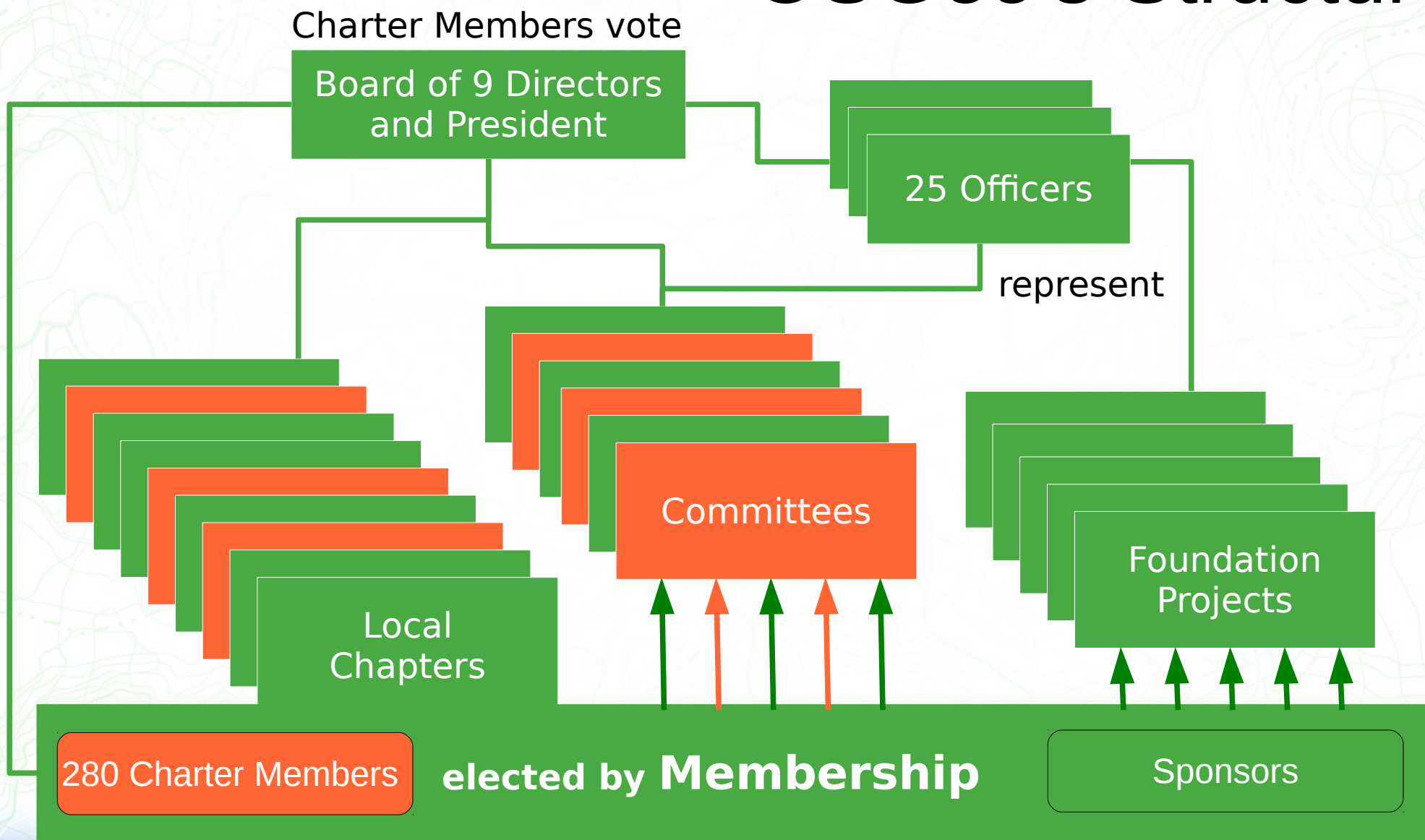
<http://live.osgeo.org>

OSGeo's Objectives

- Provide resources for Open Source projects:
 - Infrastructure
 - Legal
 - Financial
- Quality Assurance for Open Source projects
- Promote free and open geospatial data
- Create and maintain a quality brand
- Support Local Chapters

<http://www.osgeo.org>

OSGeo's Structure



Open Source Ecosystem

Publish Software
(& Code)

Plug-In Development

Support

Training

Maintain specific distribution

Interaction with Users

New Features

Iterate improving the Software

Release often (iterate)

Maintenance

*Service Level
Agreement*

Consulting

bug fixing

Kohvipaus?

No quite yet!

Conclusion

- Open Source has come to stay!
- Open Source is not about being cheap.
- Open Source is about being better!
- Open Source Geospatial has a home:

The **OSGeo Foundation**!

- Try it out, it is freely & openly accessible!



FOSS4G BONN
2016
24th - 26th AUGUST

Invitation



metaspatial



Thank you for
your Attention!

FOSS4G: The OSGeo Conference
on Free and Open Source Software
for Geospatial, August 24th to 26th
2016 in Bonn, Germany

With friendly support by:

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References

- OSGeo Foundation website: <http://www.osgeo.org>
- OSGeo Wiki: <http://wiki.osgeo.org>
- Open Source: <http://producingoss.org> by Karl Fogel
- A note on Copyright: <http://arnulf.us/Seven:Copyrights>
- QGIS Website: <http://www.qgis.org>
- Supported by Metaspatial: <http://metaspatial.net>

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