



How and Why Open Source Software Has Become Mainstream For GIS

Eddie Pickle
Managing Director Open Source Programs
DigitalGlobe

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See a better world.®

Open Source Software is Mainstream in IT



mozilla
Firefox



WORDPRESS

The OpenOffice.org logo, featuring a black bird silhouette above the text "OpenOffice.org" in blue and black.

OpenOffice.org

fedora 



Java



blender



MySQL



Linux



debian



Apache



ubuntu

Open Source Software is Mainstream in GIS



Open Source Software is Mainstream Everywhere!



WORDPRESS



OpenOffice.org



GeoServer



MapServer
open source web mapping



MySQL



OMAR™
Ossim Mapping Archive

ubuntu



OpenLayers 3.0



Linux



GeoNetwork
open source



How?

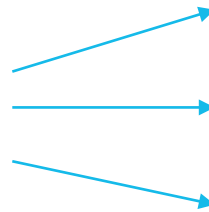
Why?



Improves Our Software

Improves How We Work

Open Source Improves Collaboration

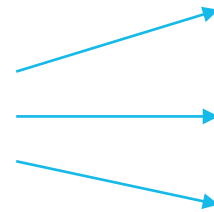


Transparency

Accessibility

Speed

Open Source Accelerates Innovation

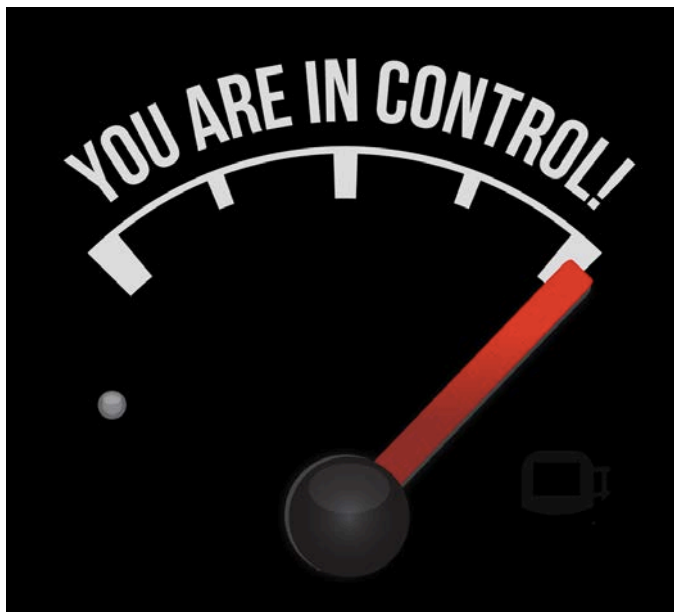


Points of View

Richer Ecosystem

Sustainability

Open Source Gives Users Control



- Roadmap
- Time
- Effort
- Partners
- Developers
- Costs

Diamond



Platinum



Gold



Silver



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Platinum



Gold



Silver



Open Source is Supported

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Silver



Open Source is Supported Open Source is Widely Used

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Open Source Success Stories

Past, Present and Future



GeoServer



- *From one non-profit developer to an international standard*
- Open source server for sharing geospatial data
 - Robust, international community
 - Steadily expanding capabilities
 - Multiple support and development options
- Revolutionizes web data serving
 - Powerful functionality with No License Fees
 - Allowing geospatial systems to scale up affordably and
 - Build the geospatial web

- *Growing foundation for building SDI in the open*
 - Open source content management software for sharing maps & data
 - Developed by OpenGeo on the “architecture of participation” concept
 - Adopted globally
 - World Bank, EU JRC, WFP, US State Dept. Harvard University, etc.
 - Multiple commercial support options
 - Boundless, GeoSolutions, Kartoza
 - Foundation for SDI/data sharing in many government agencies



EventKit



- *Improving the “Data Scramble”*
 - Large-scale extraction of mission-oriented, “event” data
 - Built upon existing open source OpenStreetMap Export tool
 - Allowed focus on new features, input data types and more
 - Saved months of development time
 - Virtuous circle
 - Enhancements from EventKit go back to original tool
 - Openness enables developers with differing perspectives to innovatively repurpose existing technology



QGIS



- *Bringing open source GIS to the masses*
 - Open source desktop software for creating, editing and publishing maps and data
 - Broad, international base of developers
 - It's Hack-able!
 - Extensive plug-in options
 - Accelerating growth in usage

At DigitalGlobe We Build and Use Open Source



How and Why Open Source Software Has Become Mainstream For GIS?



- Collaboration
- Innovation
- Control
- Support options
- Widespread usage
- Track record of success

Thank You!



Eddie Pickle

eddie.pickle@digitalglobe.com