How and Why Open Source Software Has Become Mainstream For GIS

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See a better world.®
Open Source Software is Mainstream in IT
Open Source Software is Mainstream in GIS
Open Source Software is Mainstream Everywhere!
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

You are in control!

Roadmap
Time
Effort
Partners
Developers
Costs
Partial Sponsor Roster for FOSS4G 2017
Open Source is Supported

Partial Sponsor Roster for FOSS4G 2017
Open Source is Supported
Open Source is Widely Used

Partial Sponsor Roster for FOSS4G 2017
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!

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