Location IWG Proposal
May, 2012
Andrew Ross
Location Technology

Vector data

Raster data

Combined

San Francisco Crime

Gulf of Mexico oil slick
Important trends

Use of location technology is growing and undergoing a shift from an asynchronous peripheral activity to a core business activity with real time demands. Machine generated data is spurring a massive increase in the rate data is generated.

![GIS/Geospatial Industry Growth 2004-2011](image)

![Mashups by topic](image)

**Mapping Mashups are extremely popular**
Location IWG Goals

Make location technology mainstream
• Leverage Eclipse's established position in enterprise
• Consolidate and bolster open source location (aka. geospatial) community

Areas of interest
• Processing massive data volume
• Shift from asynchronous to real time analysis
• Shift from peripheral view of location to business critical
• Stimulate industry competitiveness & innovation
• Share risk & cost to open new markets, reduce time to market
• Deliver a predictable platform of technologies annually
Location Industry Working Group

Goal: Develop an ecosystem for open source spatially aware components.

Software Providers
- IBM, Oracle, Autodesk, Microsoft, ESRI, OpenGeo, Actian, Pitney Bowes, Intergraph, Spatialytics, Safe Software, Ubisense, RIM, and more

Service Providers
- SAIC, Deloitte, TCS, Wipro, Accenture, Atos Origin, Radiant Blue, DMSG, and many more

Opportunity:
By year
1: $200K
2: $400K

Data Providers
- Nokia, OpenStreetMap, Digital Globe, Tomtom, Google, GeoEye, Twitter, Facebook, and more

Consumers

Underlined – expressed interest in the IWG. Bold – Existing Eclipse Foundation Member.
Location IWG: Steering Committee Fees (Proposed)

- Location **Steering Committee** dues are incremental to Eclipse Foundation membership dues. Must be Solutions member or higher.
- Eclipse Foundation Strategic members paying $250K annual receive Steering Committee rights for no added cost.

<table>
<thead>
<tr>
<th>Annual Revenue</th>
<th>Annual Steering Committee Dues</th>
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<tr>
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Location IWG: Participant Fees (Proposed)

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<tr>
<td>&lt; $1M &amp; &lt;10 employees</td>
<td>$500</td>
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- Location **Participant** dues are incremental to Eclipse Foundation membership dues. Must be Solutions member or higher.
- Eclipse Foundation Strategic members paying >=$100K annually receive participant rights for no added cost.
## Key Existing components

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<th>Project</th>
<th>Language</th>
<th>LOC</th>
<th>Committers</th>
<th>License</th>
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**Active/Lifetime**
Infrastructure

Eclipse Forge
(Public via. eclipse.org)

- SCM
- Bug Tracker
- Builds
- Signing
- Downloads

Location Forge
(Public via. TBN.org)

- SCM
- Bug Tracker
- Builds
- Signing
- Downloads
Core team leading the efforts

Tentative Co-chairs:

IBM
ORACLE
OpenGeo
Autodesk
DM Solutions Group
Actian
Call to Action

Support the creation of a separate forge for Location technologies and approve use of LGPL, BSD, MIT licenses in this separate forge by approving the following:

RESOLVED, the Board approves the creation of information technology (IT) infrastructure for the Location IWG forge. Such IT infrastructure will be hosted and supported by the Eclipse Foundation.

RESOLVED, The Board unanimously approves the use of the following licenses for projects hosted by the Location Industry Working Group. Such projects must be clearly identified as separate and distinct from Eclipse Foundation projects, hosted on a web property other than eclipse.org, and not using the org.eclipse namespace.

1. GNU Lesser General Public License (LGPL)
2. MIT
3. BSD (including the Eclipse Distribution License)

RESOLVED, that the Executive Director of the Corporation is hereby authorized and empowered, for and on behalf of the Corporation, to retain such advisers, to execute and deliver such documents, papers or instruments and to do or cause to be done any and all such other acts and things as he may deem necessary, appropriate or desirable in connection with establishing the Location Industry Working Group as described in the presentation made to the Board on this day and attached to the minutes of the meeting as Exhibit L, and the taking of any such action shall be conclusive evidence of the approval thereof by this Board of Directors.
Back up
Location Terminology

- Vector data – points, lines, polygons, etc. representing reality
- Raster data – pictures, visible light and other spectrum
- WFS standard – Web Feature Service – Vector data
- WCS standard – Web Coverage Service - Pictures
- WMS standard – Web Map Service – Rendered maps
- WKB - Well known binary
- WKT - Well known text