OpenStreetMap Ireland

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OpenStreetMap.ie
OpenStreetMap in Ireland

• A brief (very brief) look into the history of OSM in Ireland
OpenStreetMap History

• Aug 2004     OSM founded
• Dec 2004     Ability to map streets
  • Editing in a Java Applet online
  • Own surveys
  • Public domain satellite imagery
  • GPS traces
• Dec 2005     First edits in Ireland
• Jan 2006     JOSM offline editor
• Jul 2006     Potlatch released - Flash based online editor
• Dec 2006     Yahoo allows use of their aerial photography
• Nov 2010     New Potlatch 2 editor
• Nov 2010     Microsoft Bing aerial imagery
• May 2013     iD editor
First Edit in Ireland - 2005
First Edit in Ireland - 2005
First Edit in Ireland - 2005
First Edit in Ireland - 2005
First Polygon in Ireland - 2006
First Polygon in Ireland - 2006
OpenStreetMap Roads in Ireland
Townlands

- Townlands.ie
- Small geographic divisions of land in Ireland
  - Mainly Irish Gaelic origin
- 61,000 across Ireland
- 650+ out of copyright OSi maps from Trinity College
- Maps georeferenced in MapWarper, and traced by volunteers
Townlands

• Small geographic divisions of land in Ireland

Irish Traditional Boundaries Progress Report

Search for a townland, civil parish, barony, electoral division or county

• Progress of each county ↓
• Duplicate townland names →
• Potential conflicts with the data ↓
• Rate of mapping →
• Mapping Activity →
• Logainm Status ↓
• Logainm QA →

How complete is the data in Open Street Map?

The data in OpenStreetMap is continuously updated. This page shows how much of each county has been mapped in townlands, baronies and civil parishes

<table>
<thead>
<tr>
<th>Country</th>
<th>Townlands</th>
<th>Electoral Divisions</th>
<th>Civil Parishes</th>
<th>Baronies</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Ireland</td>
<td>100.1%</td>
<td>85.3%</td>
<td>101.8%</td>
<td>101.5%</td>
</tr>
</tbody>
</table>
Townlands

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- What’s left?
  - Logainm - Adding Irish place names to OSM
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Logainm Status

What is the status of Logainm data match up? How many objects have a logainm ref?

<table>
<thead>
<tr>
<th>All objects</th>
<th>48,605 of 67288 (72%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Counties</td>
<td>32 of 32 (100%)</td>
</tr>
<tr>
<td>Baronies</td>
<td>325 of 326 (100%)</td>
</tr>
<tr>
<td>Civil Parishes</td>
<td>2,382 of 2,507 (95%)</td>
</tr>
<tr>
<td>Electoral Divisions</td>
<td>3 of 3,437 (0%)</td>
</tr>
<tr>
<td>Townlands</td>
<td>45,863 of 60,986 (75%)</td>
</tr>
</tbody>
</table>
OpenStreetMap Boundaries in Ireland
Get Involved Editing OpenStreetMap

• Could not be easier
• iD editor at OpenStreetMap.org
  • In browser no install
  • One of the most intuitive GIS editors.
Get Involved Editing OpenStreetMap
OpenStreetMap Editing
OpenSteetMap Editing
OpenStreetMap Editing
OpenStreetMap Editing

• JOSM
  • Desktop based
  • 140 plugins
    • Mapillary
    • OpenStreetCam
  • Advanced users
OpenSteetMap Usage

• Very versatile
• Routing
  • OSRM
  • GraphHopper
  • mapbox navigation
• Rendering - tiles
  • Mapnik
  • Countless examples
• Restrictions
  • You are free to copy, distribute, transmit and adapt our data, as long as you credit OpenStreetMap and its contributors. If you alter or build upon our data, you may distribute the result only under the same licence.
OpenSteetMap Usage

- Humanitarian
  - HOTOSM
  - Missing Maps
  - MapLesotho
    - Started in Fingal
    - Schools in Ireland participating
    - On the ground verification
OpenStreetMap Usage

- Humanitarian
- HOTOSM
- Missing Maps
- MapLesotho

<table>
<thead>
<tr>
<th>Location</th>
<th>Done</th>
<th>% Validated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qacha's Nek</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Quthing</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Thaba Tseka</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Butha-Buthe</td>
<td>100</td>
<td>87</td>
</tr>
<tr>
<td>Mohale's Hoek</td>
<td>100</td>
<td>54</td>
</tr>
<tr>
<td>Berea</td>
<td>100</td>
<td>45</td>
</tr>
<tr>
<td>Masen City</td>
<td>100</td>
<td>45</td>
</tr>
<tr>
<td>Maseru District</td>
<td>95</td>
<td>69</td>
</tr>
<tr>
<td>Mokhotlong</td>
<td>89</td>
<td>37</td>
</tr>
<tr>
<td>Mafeteng</td>
<td>75</td>
<td>21</td>
</tr>
<tr>
<td>Leribe</td>
<td>62</td>
<td>22</td>
</tr>
</tbody>
</table>

92.8 % completed
61.8 % validated
OpenStreetMap Ireland

• Company formation
• Legal entity
• Local chapter of the OpenStreetMap foundation

• Currently in progress, constitution drafted, initial board selected, final stages of formation
OpenStreetMap Ireland Objectives

• Increase the quality and quantity of data about Ireland in OpenStreetMap
• Improve and increase the size, skills, toolsets and cohesion of the OpenStreetMap community in Ireland
• Promote and facilitate the use of OpenStreetMap data by individuals and organisations in Ireland
• Promote and facilitate the release by organisations in Ireland of data that is suitable for use in OpenStreetMap
OpenStreetMap Ireland Additional Obj.

• Produce open and free geographic data
• Procure data from corporate entities, organisations and persons with a view of producing or generating open and free geographic data
• Produce, distribute and present educational material regarding open and free geographic data
• Foster the use of open source geospatial software
OpenStreetMap Ireland Get Involved

• OpenStreetMap.ie/contact/
• Twitter: @osm_ie
• Facebook
• Mailing list
• Talk to me @HeikkiVesanto

• Welcome all
Port Laoise on the map