Computer vision and collaboration

Spatial Information Day 2019

Edoardo Neerhut - Strategic Partnerships Manager
Traditional road assessment
Why do cities collect street-level imagery
What kind of assets are important?

- Benches
- Bike racks
- Fire hydrants
- Mailboxes
- Phone booths
- Street lights
- Utility poles
- Crosswalks
- CCTV Cameras
- Catch basins
- Manhole
- Information signs
- Rubbish bins
- Traffic lights
City of Port Adelaide Enfield
Open images/data from City of Port Adelaide
Computer vision & machine generated data
Improved viewing experience
Privacy

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<td>90.7% (campus)</td>
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Machine generated map features
Collaboration and community engagement
Imagery and map data in OpenStreetMap
Public Toilets in City of Port Adelaide Enfield

Public Toilets in City of Port Adelaide Enfield. Only includes ones that are open 7 days a week during the day. Excludes toilets that require a key by arrangement. Data available to download in various formats from Council's open data portal.

Data and Resources

| Public Toilets in City of Port Adelaide Enfield |
| Locations of Public Toilets in the City of Port Adelaide Enfield that are... |

Additional Info

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OpenStreetMap editing in South Australia
Map feature layer in OpenStreetMap
Community verifications

Integrations/customers → Contributors

Images & data → Images/coverage

More training data → Better algorithms

Map data → Contributors

Regulatory: maximum speed limit 25: g1
Enriching location based services
Why does OpenStreetMap matter for a city council?
OpenStreetMap in mobile applications
Microsoft’s Bing Maps in Australia
HERE Technologies
HERE Map Creator
Operationalise existing fleets
Operationalise fleets

Equip fleet with Mapillary firmware enabled dashcam

Passive image capture during regular activities

Mapillary ingests images/video to servers and processes data

Location data and fresh imagery
Operationalise fleets
Let’s scale map data collection in South Australia

@mapillary
@eneerhut