

ORDNANCE SURVEY

Crowdsourcing Opportunities at Ordnance Survey

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Introduction

- Crowdsourcing in Practice
- Crowdsourcing Under Review
- Crowdsourcing Future applications



Future mapping requirements

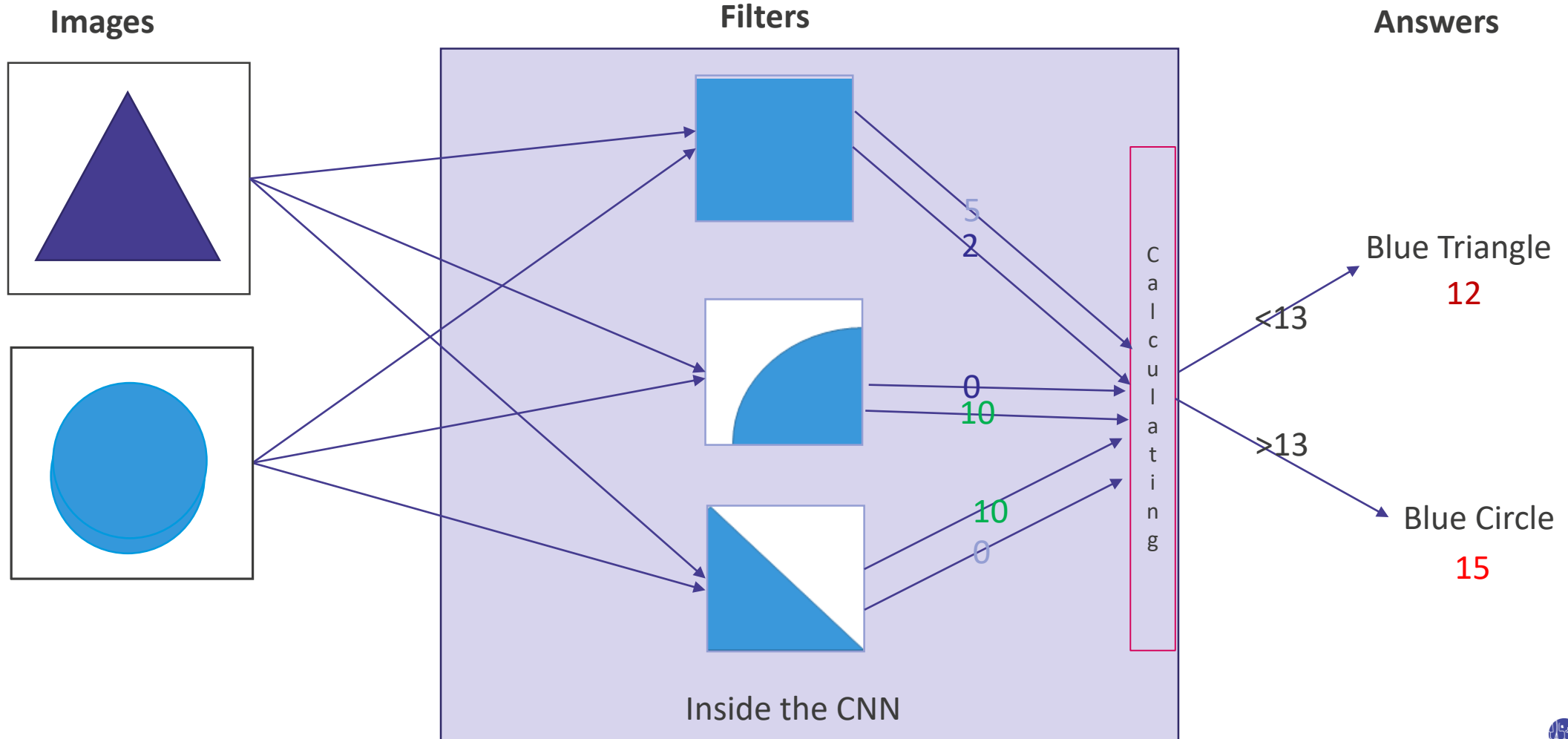
Ordnance Survey currently looking into data capture methods for potential new mapping requirements.

Roofs

- Dominant alignment of a roof
- Roof shape and material

Machine learning

Machine Learning Neural Networks



Internal Crowdsourcing tool

- A basic UI was made in python that cycles through images the network has identified as matching best
- Asks user a few questions for each
- The tool began with questions regarding colour and shapes which then evolved to include objects
- Then a land use drop down

Please answer the questions about this image:

This is designed to determine what our machine learning algorithm is finding.
If there is no clear answer to the question leave the field blank

What is the predominant colour in this set of images, if any?

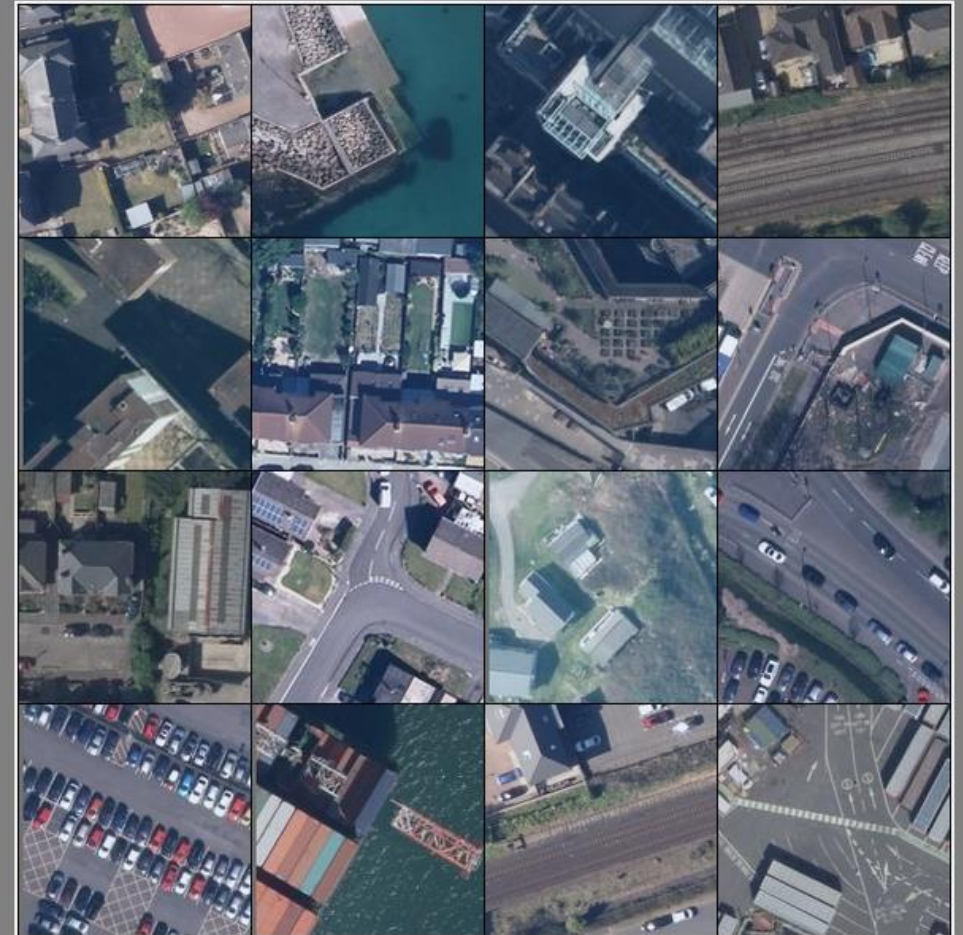
Number of tiles this applies to:

What common shapes can be seen, if any?

Are there any common objects throughout this set of images, if any?

What is the predominant land use, if any? (use drop down list)

Enter





Hipped



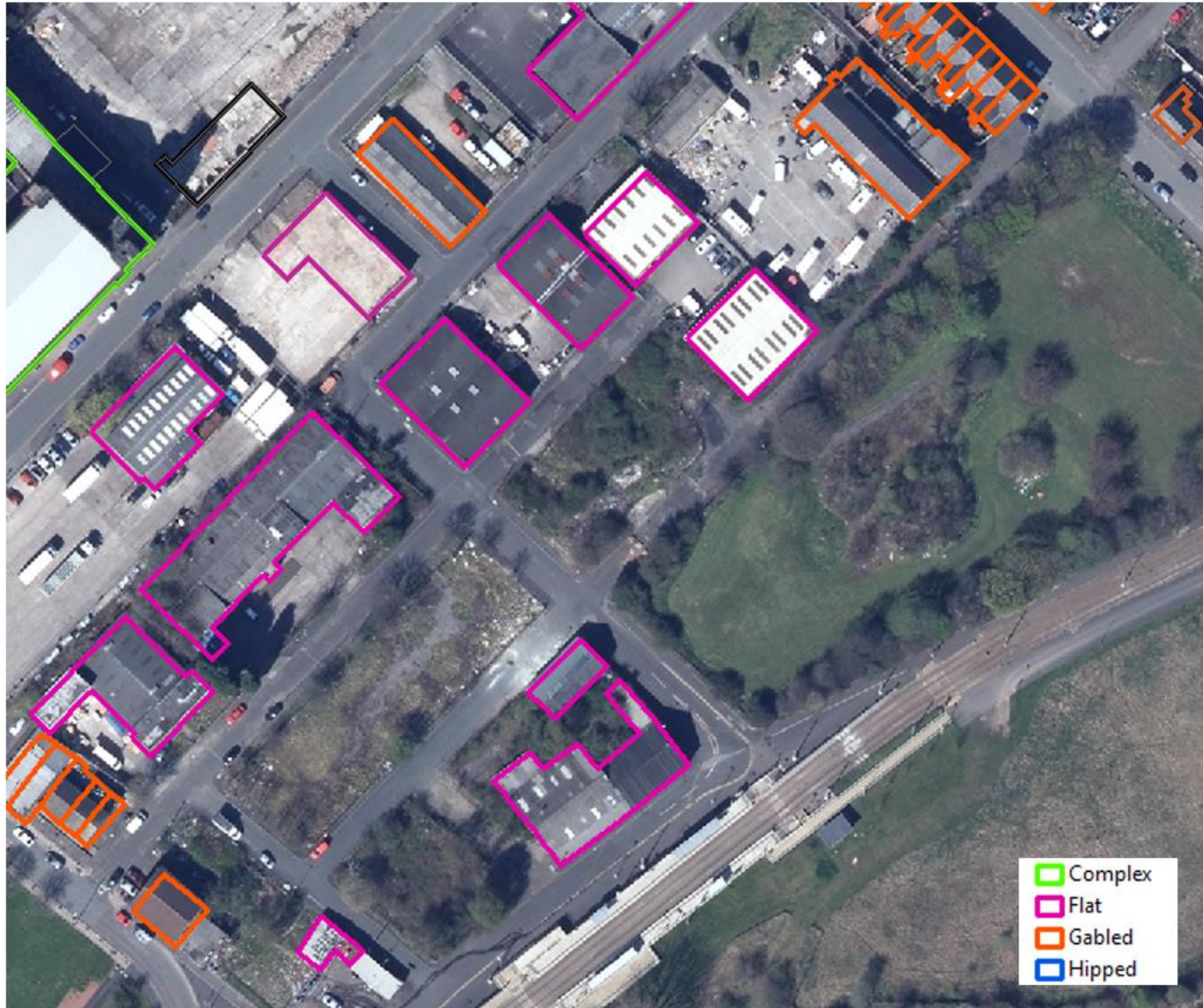
Flat



Gabled



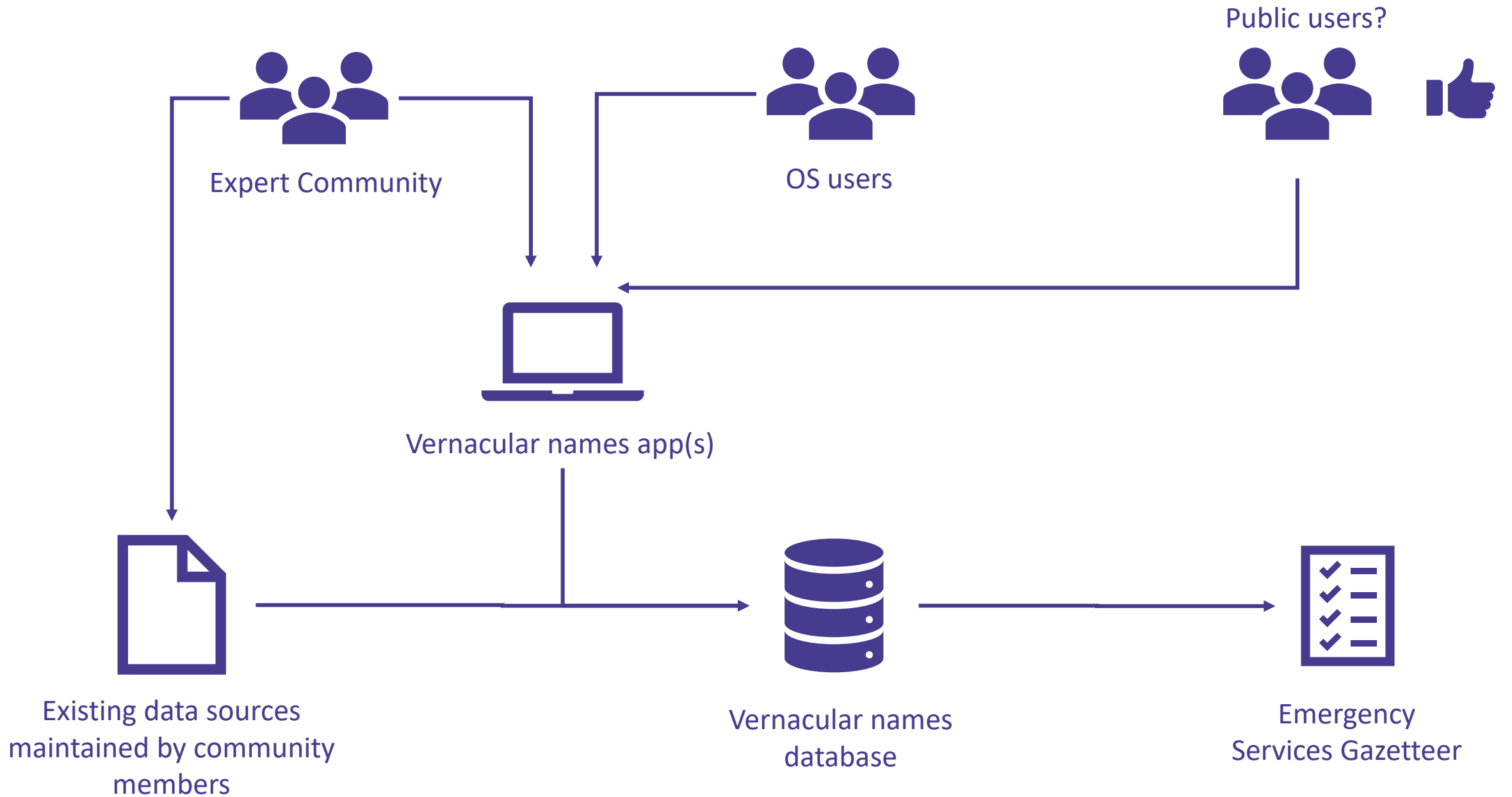
Complex



Vernacular names

- Road junctions
- Roundabouts e.g. 'The Magic Roundabout' (Plough roundabout, Hemel Hempstead)
- Areas and extents





Thank you 😊