

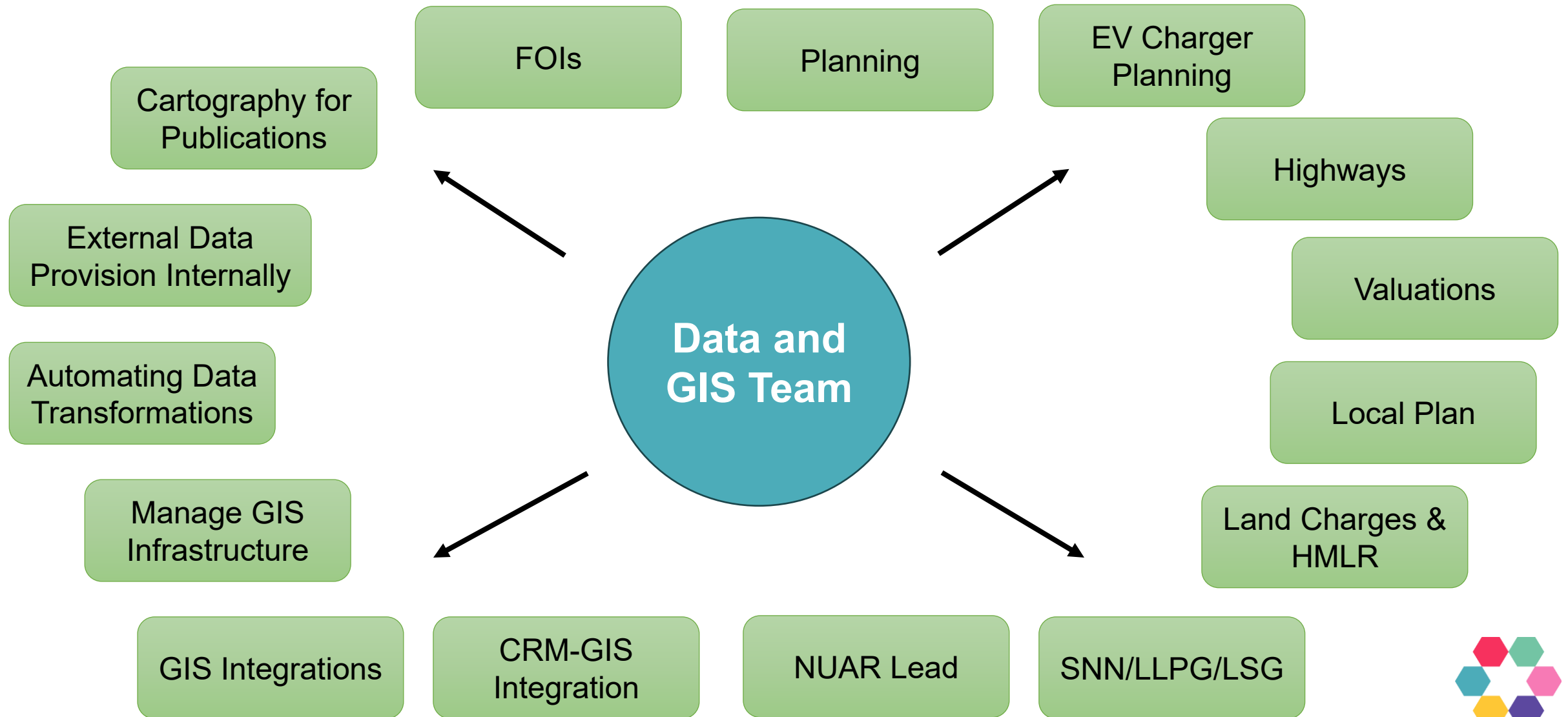


# Connecting data, driving decisions: Leveraging UPRNs with Reading Borough Council's GIS Infrastructure

Heather Porter and Kristina Quinnell

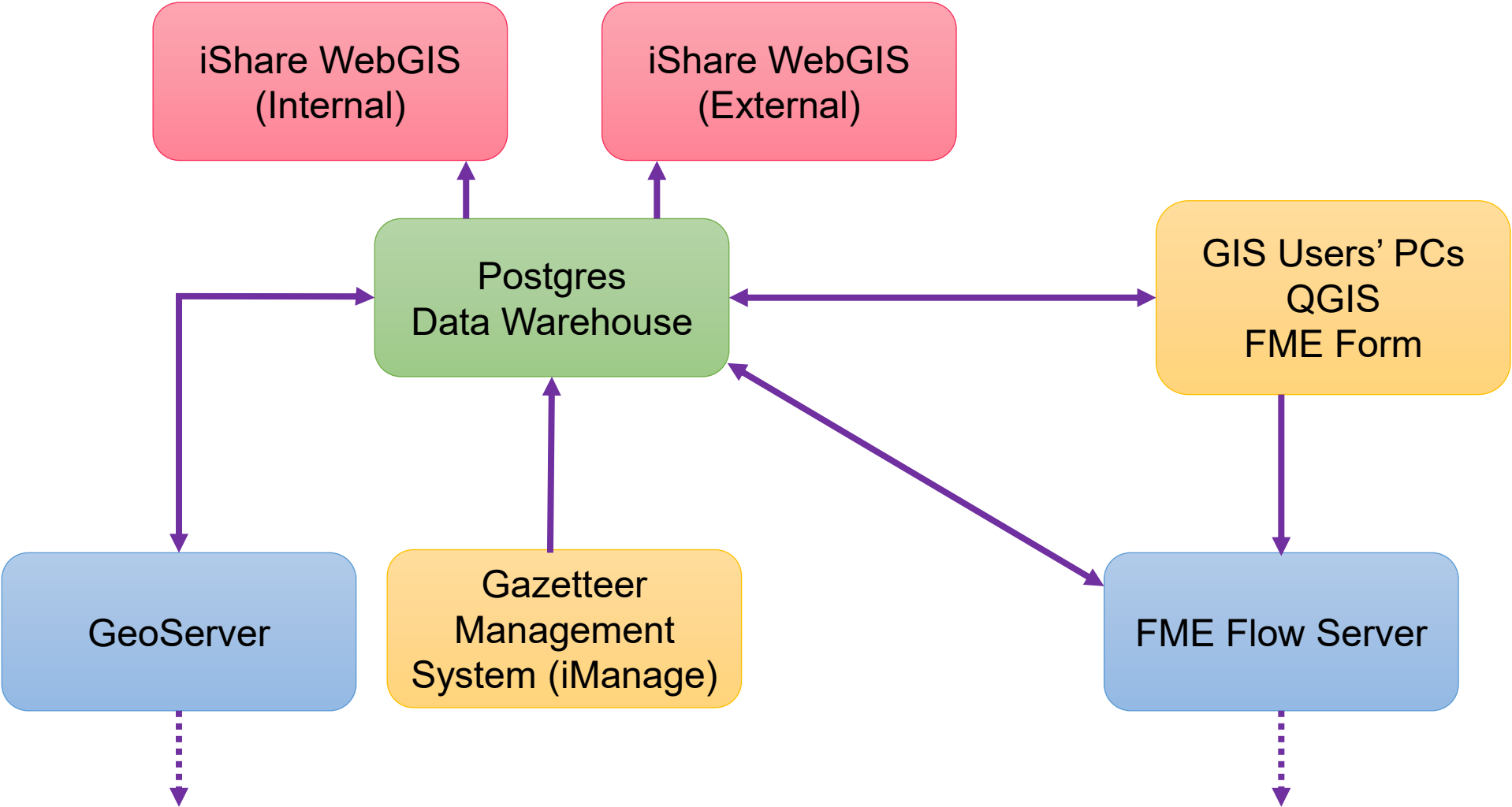
*Data and GIS Team*

# GIS Involvement across the Council



# Our GIS Infrastructure

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# Integration using UPRN and Addresses

- **UPRN** is a key identifier used across council systems
- Often the only unique ID available
- Used across:
  - Land Charges
  - CRM system
  - Planning
  - Building Control
  - Electoral Registration

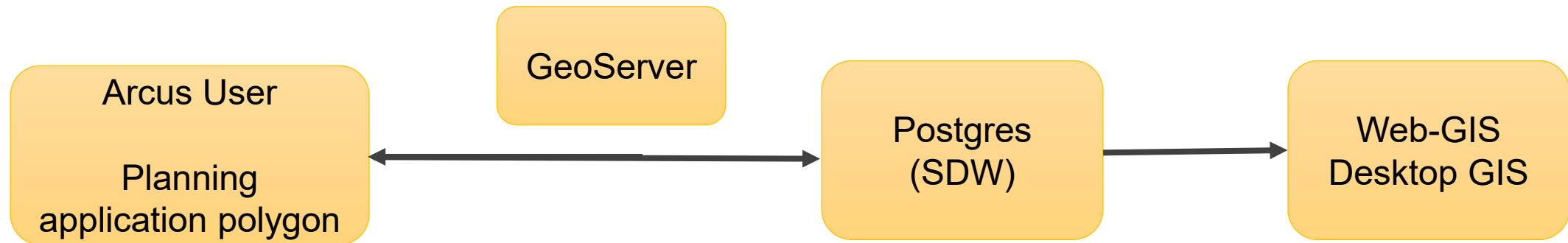
With more systems beginning to use it – most recently Housing



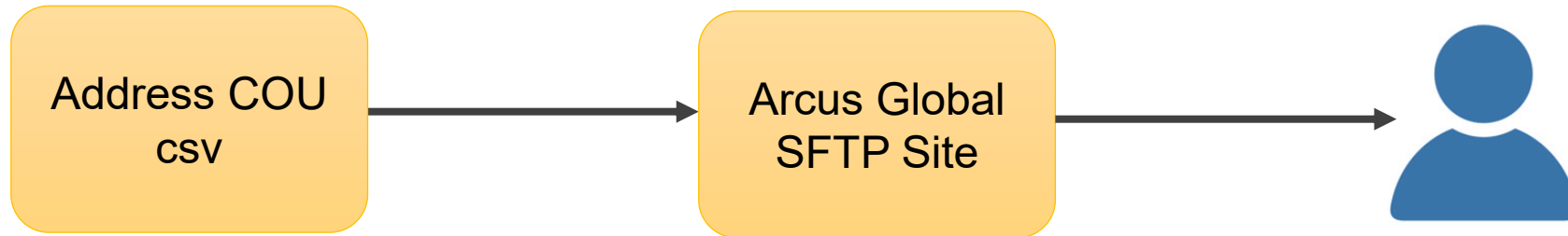
# Arcus Integrations

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- Integration with Postgres (Spatial Data Warehouse) via GeoServer (API)

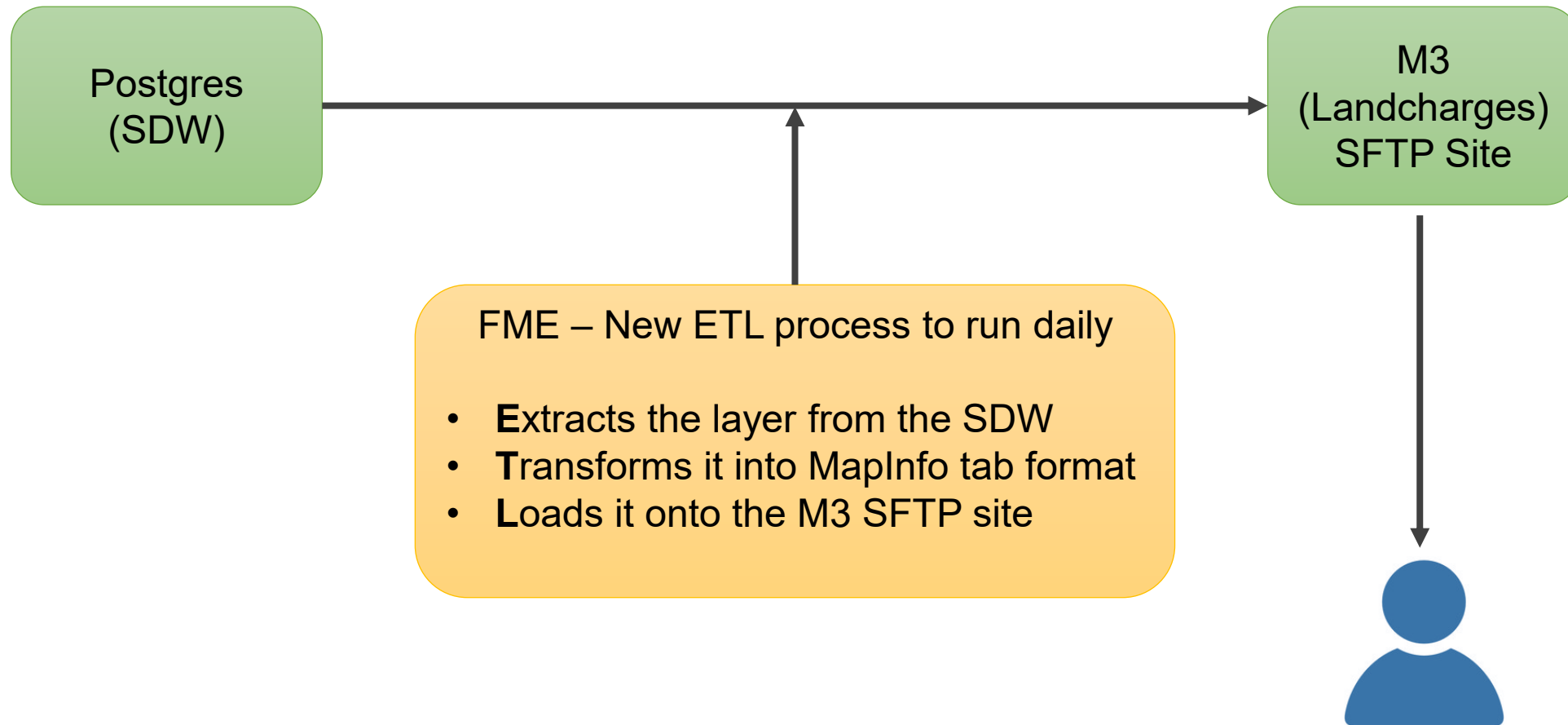


- LLPG addresses via the COU



# Integrations – Modern vs. Legacy

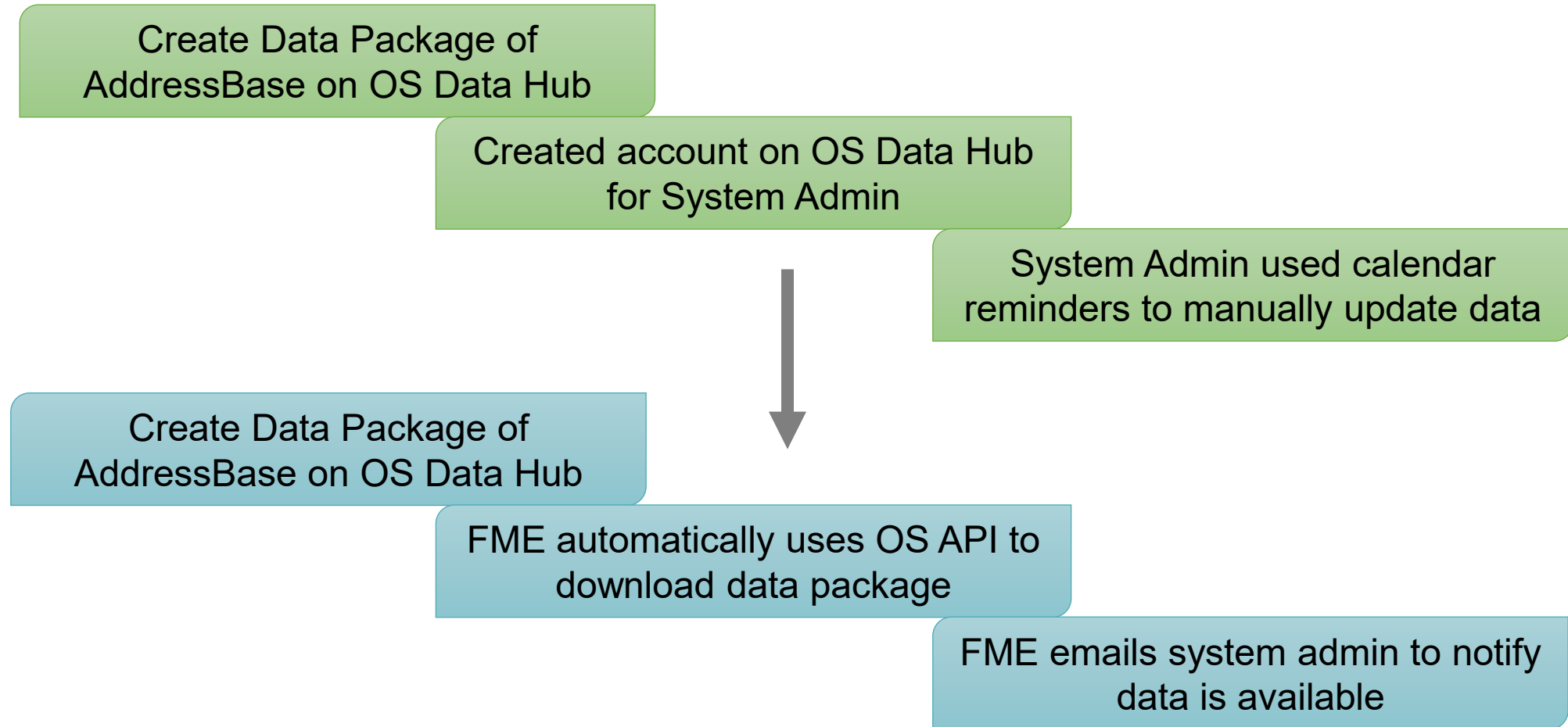
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# Incremental Improvements

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Don't let perfect get in the way of done – incremental improvements are better than nothing!





# Using AI to create new datasets

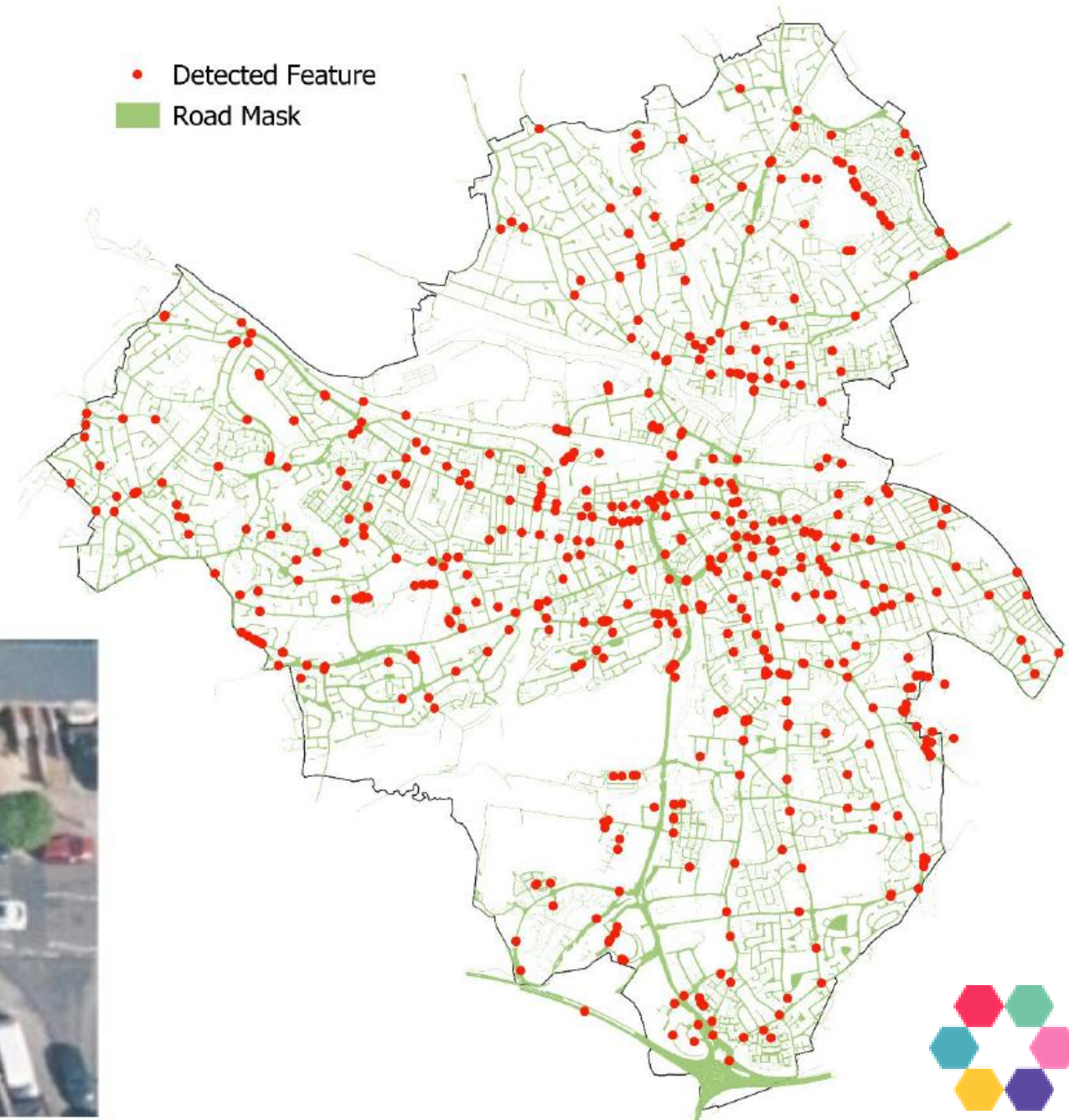
- Detected 4 different types of road markings
- The model works better with larger, high contrast road markings.

Zebra Crossing (93%)

Box junction (73%)

Bike Box (Advanced Stop Lines) (57%)

Give Way (56%)





# Any Questions?

*Please email [gismapping@reading.gov.uk](mailto:gismapping@reading.gov.uk)*

