

# Sustainable integration

*Making it work for you*



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# What I will cover

1. *“Sustainable integration”*
2. Adopting a two-way integration approach for change intelligence & enrichment

>75% of all integrations are file based (25% API / Live Link)

>90% of integrations use LLPG data

But files require handling and multiple steps



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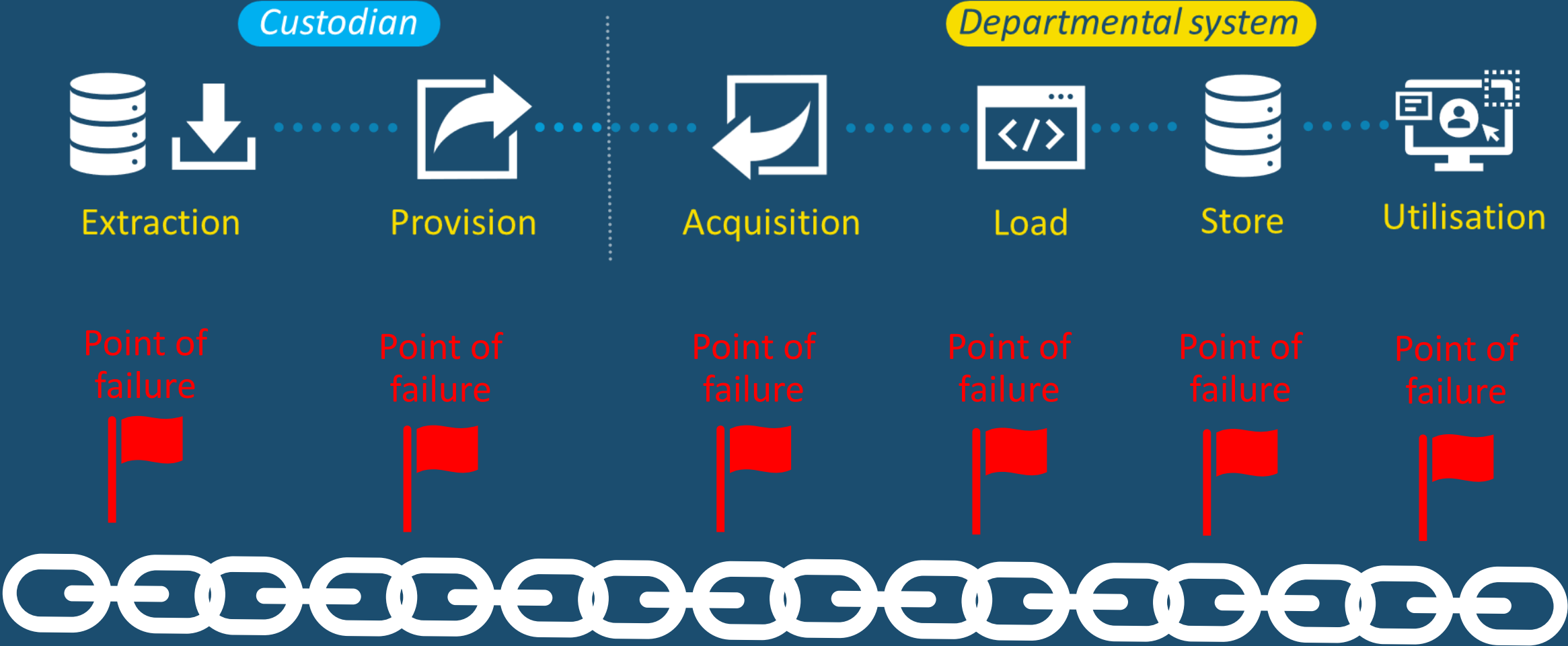
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Files require handling and multiple steps



56% of systems permit manual address entry

# File based integration



# Sustainable Integration.

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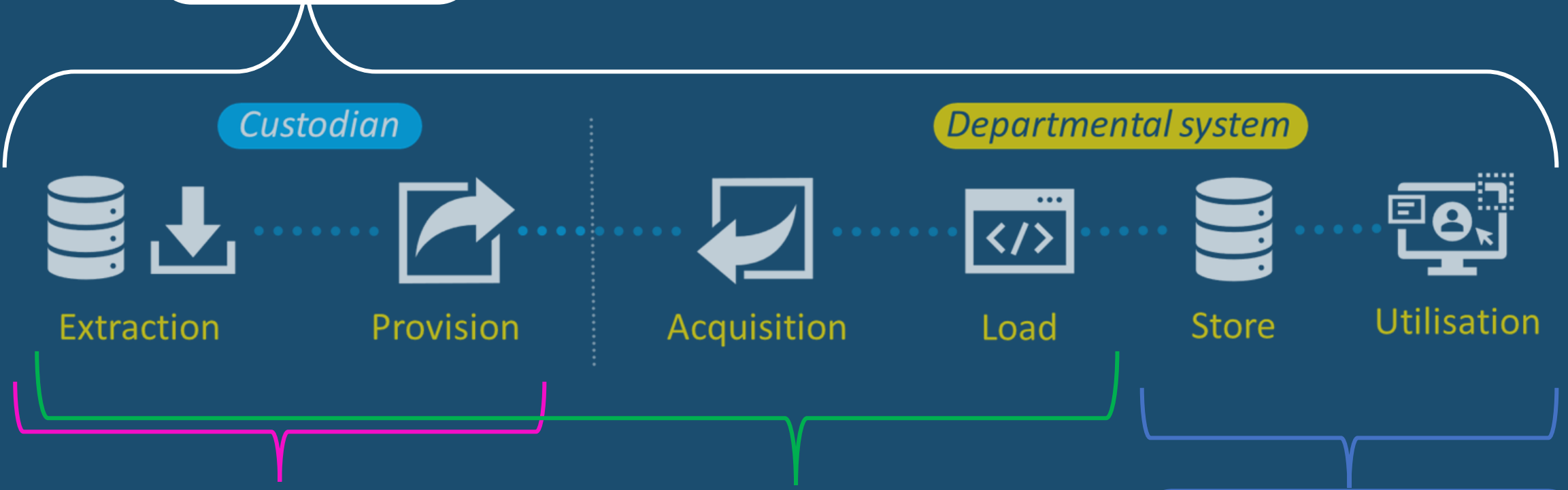
*Integration is an **ongoing** process of alignment, not just the provision of data.*

**Aim:** To ensure departmental address / street data is in close synchronisation with the source data (LLPG / LSG)



# Sustainable Integration

**1. Identification** Mapping out the end-to-end process



**2. Provision**

Ensuring data provided is automated and appropriate.

**3. Intervention**

Oversight that the process is working and data is correctly loaded

**4. Rationalisation**

Investigating, matching & updating manually entered records

## 1. Identification

- Map out the end-to end integration process for each system
  - **What** are the individual steps?
  - **When** do they occur?
  - **What** software / tools are used?
  - **Who** is responsible for each step / when things go wrong?
  - Are there any logs / reports for each step?

## 2. Provision

- Automate extraction and provisioning steps (GMS supplier)
- Match frequency of supply to the service need
- Use an appropriate data product (OS Places API, DataVia, LLPG, NGD, ABP)



### 3. Intervention

- Request access to view load reports when things go wrong
- Ask if reports / notifications can be created if not present
- Ask how the errors be prevented when triggered
- Is there scope to automate any of the manual steps?

### 4. Rationalisation

- Obtain exports of manually entered addresses / streets (no UPRN / USRN)
  - Missing features
  - Incorrect features
  - No longer existing

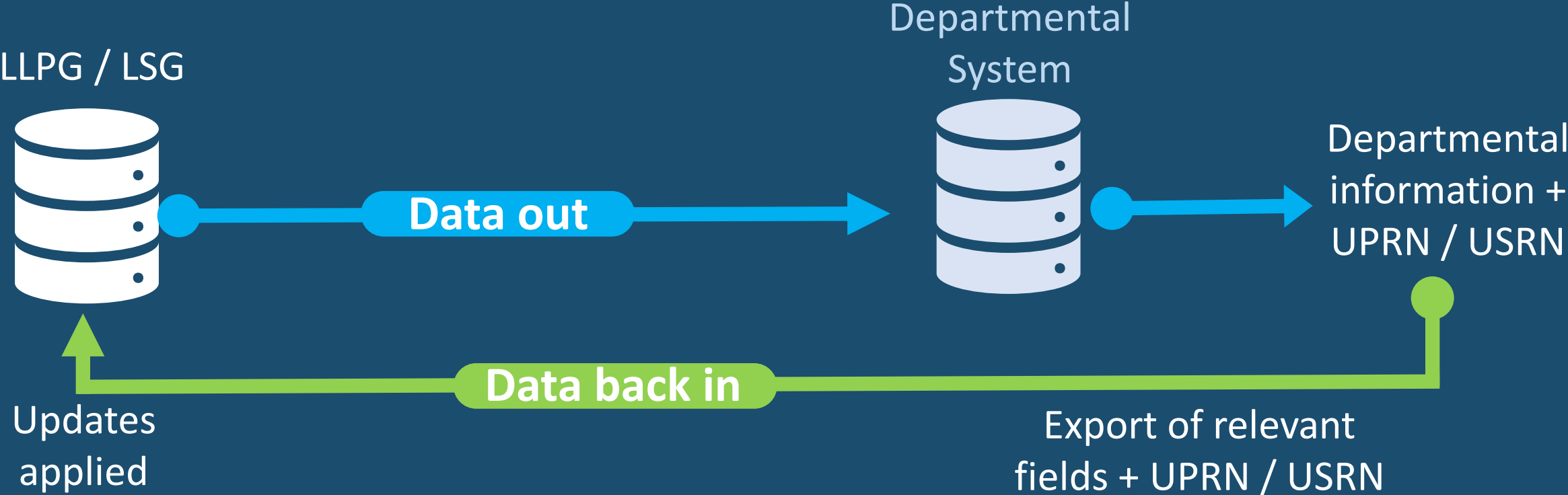
} Valuable Intelligence
- Investigate as required
- Update the system with correct UPRNs / USRN and address (if possible)

# The Benefits

- Departments will always have a robust, accurate source of address / street data
- Maintains synchronicity with the UPRN / USRN
- State of “high readiness” for data-linking
  - Proactive service delivery (single household view)
  - Fraud detection
  - Joined up services
- Manually entered records rationalised and matched
  - Valuable source of change intelligence
    - Missing properties / streets
    - Inaccurate properties / streets
    - Safety interventions / potential missing revenue

2. Adopting a two-way integration approach for change intelligence & enrichment

# Integration should be a two-way process



- Harrow Council**
- Licenced HMOs
  - Suspected HMOs
  - Late night premises
  - Licenced premises
  - Betting shops
  - Sale of Alcohol

# What information is on offer?

Department	Information of interest	Type of enrichment
Environmental Health	<p>HMO Licenses, Licensed premises :</p> <ul style="list-style-type: none"> <li>• <i>Pubs and night-clubs</i></li> <li>• <i>Off licences and shops selling alcohol</i></li> <li>• <i>Restaurants serving alcohol</i></li> <li>• <i>Businesses selling hot food and drinks from Hotels, guest houses and other places that sell alcohol</i></li> <li>• <i>Theatres and amateur dramatic clubs</i></li> <li>• <i>Cinemas</i></li> <li>• <i>Venues with indoor sporting events</i></li> <li>• <i>Temporary entertainment of music or dancing or where alcohol is sold.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Source of features</li> <li>• Attribution (classification)</li> </ul>
Parking	<ul style="list-style-type: none"> <li>• Authority owned car parks</li> <li>• Business permits</li> </ul>	<ul style="list-style-type: none"> <li>• Source of features</li> <li>• Attribution (Classification &amp; Organisation names)</li> </ul>
Refuse collection	<ul style="list-style-type: none"> <li>• Commercial waste contracts</li> <li>• Residential collections</li> </ul>	<ul style="list-style-type: none"> <li>• Attribution (Classification &amp; Organisation names)</li> <li>• Lifecycle</li> </ul>
Family Information Services (FIS)	<ul style="list-style-type: none"> <li>• Nurseries / childcare providers</li> </ul>	<ul style="list-style-type: none"> <li>• Source of features</li> <li>• Attribution (classification)</li> </ul>
Planning	<ul style="list-style-type: none"> <li>• Applications, decisions, enforcements</li> </ul>	<ul style="list-style-type: none"> <li>• Lifecycle</li> </ul>
Building Control	<ul style="list-style-type: none"> <li>• Building commencements, completions, demolitions</li> </ul>	<ul style="list-style-type: none"> <li>• Lifecycle</li> </ul>
Revs & Bens	<ul style="list-style-type: none"> <li>• Council Tax and NDR properties</li> </ul>	<ul style="list-style-type: none"> <li>• Lifecycle</li> <li>• Source of features</li> </ul>

# How do you achieve this?

1. Ensure there is a good level of integration
2. Ascertain what type of departmental information is relevant to your LLPG / LSG
3. Enquire if the system / DB is capable of generating an extract  
- *(non-personal information)*  
<https://www.geoplace.co.uk/news-events/events/webinars/uka-live-data-ig-and-supporting-the-vulnerable>
  - UPRN or USRN
  - Full address / Street Name
  - Service based information
  - Date of currency
4. Obtain the extract and assess feasibility
5. Set up regular feeds of information

# Widening the intelligence picture

- Planning
- Building Control
- Land Charges
- Environmental Health
- Revenues & Benefits
- Highways
- Public Realm
- Electoral registration
- Refuse Collection
- Housing
- Social Care
- Education management
- CRM

Intelligence back in

- New Features
- Lifecycle triggers
- Classifications
- Organisation Names
- Manually entered records
  - Missing
  - Incorrect
  - No longer existing

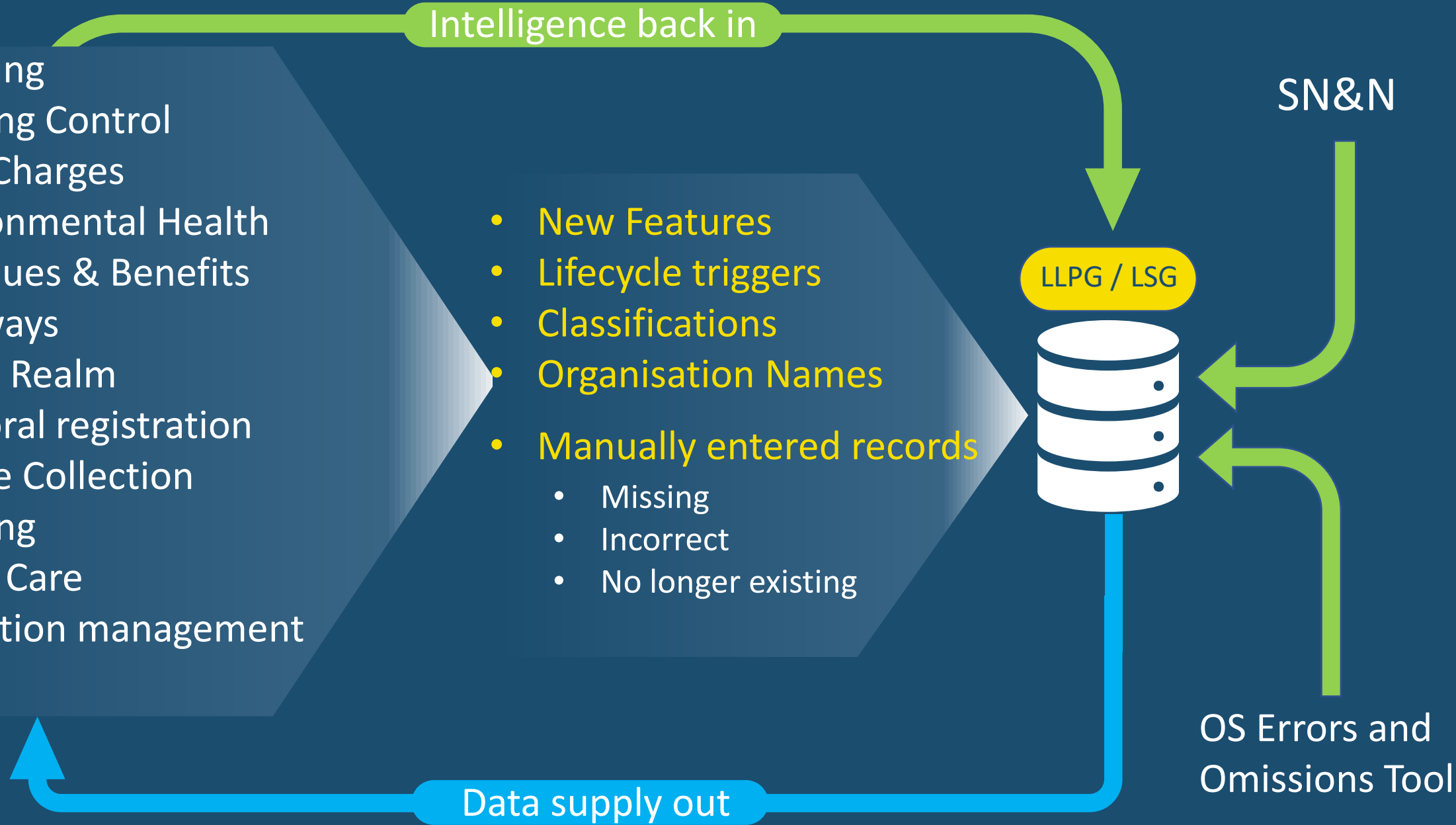
LLPG / LSG



SN&N

OS Errors and Omissions Tool

Data supply out



# We know time and resources are limited

These are just concepts and pointers to explore



# Summary

- Integration is not just the provision of data
- Integration needs to be sustainable - ongoing, maintained and synchronised
  - Keeps departments up to date and accurate
  - “high readiness” for data-linking
- View your integrations as a source of intelligence to enrich your gazetteer
  - What departmental information will you utilise?
- GeoPlace are here to help
  - [Luke.studden@geoplace.co.uk](mailto:Luke.studden@geoplace.co.uk)
  - [support@geoplace.co.uk](mailto:support@geoplace.co.uk)

Thank you

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