10TH LAND ADMINISTRATON DOMAIN MODEL WORKSHOP

# Evolving Registration How Do Established Registrars Embrace Change?

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### Imperative for change for the land authorities

Megatrends



Urbanisation





Globalisation

User expectations



The Digital transformation







Technology change

Demands on the Land Authority



New markets





Agenda 2030

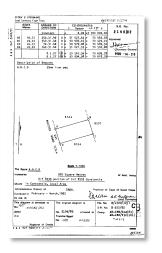


#### Data models naturally change over time

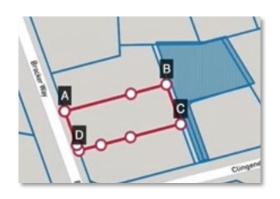
#### LADM as a domain model fits all of these...



Paper records



Simple early models, rights may be remain articulated in scans of paper



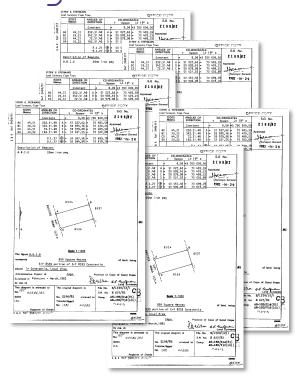
Better models, reflecting the needs of today

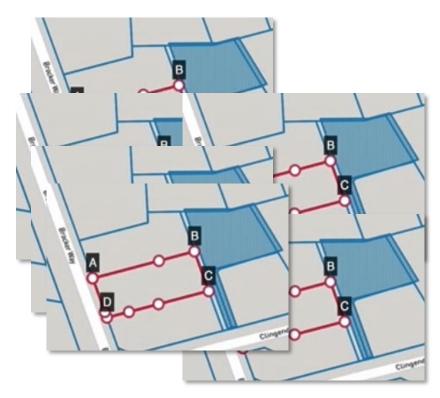


Future models, reflecting the needs of tomorrow



## Traditional approach - transform and go-live





Transform data

Go live with new system



#### Problems with platform refresh

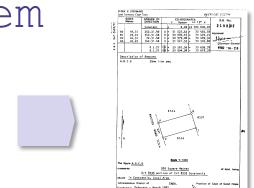
- Major events trigger major change
  - High risk of failure
  - Long delivery cycle with minimal benefit until the end
- Obsolete at point of delivery
- From one fixed state to another
  - Future change is constrained

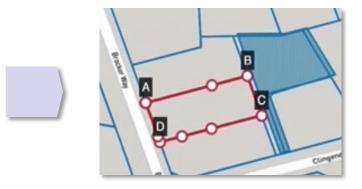




#### Mass transformation of data is a









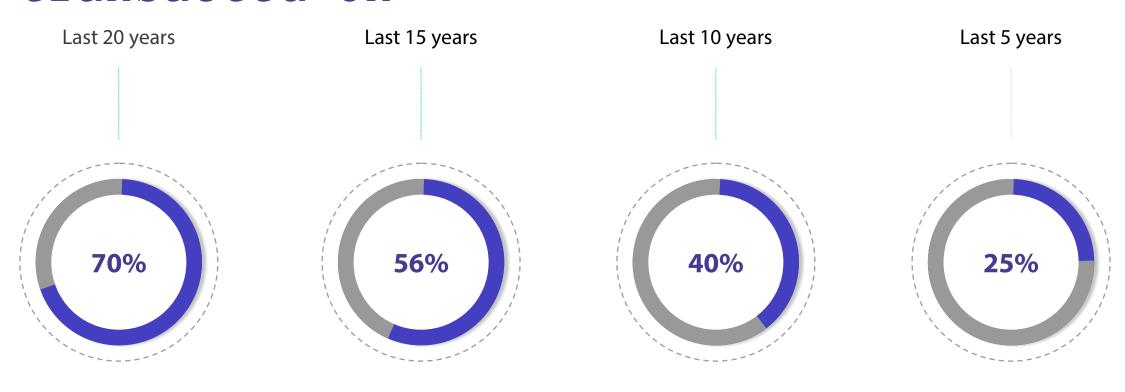
Mass transformation is undesirable: it delays delivery and constrains your ability to deliver change

Mass transformation should not be necessary: Transform as needed - record by record

Mass transformation is wasted effort: Records will be transformed that will not transact for years



### Percentage of titles actually transacted on



Source: HMLR Price Paid data, adjusted up to account for excluded entries; and ONS residential households data, adjusted down to account for unregistered titles.



#### Need to fundamentally rethink approach

Architect to enable change

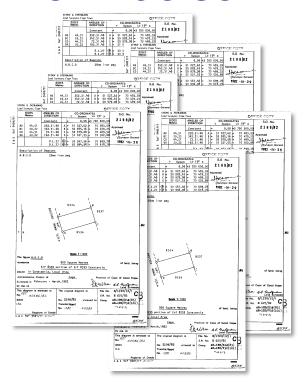
Multiple versions of workflows need to co-exist

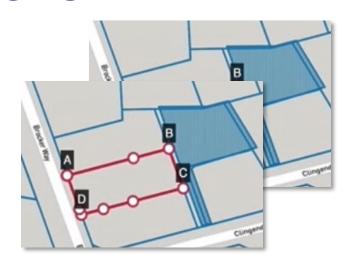
Multiple versions of the data models need to co-exist

Move from a "mass data transformation" model to "Transform when needed"



### Transform as needed - a sliding window of data models



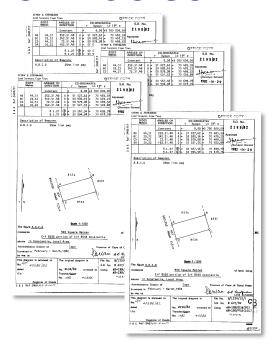


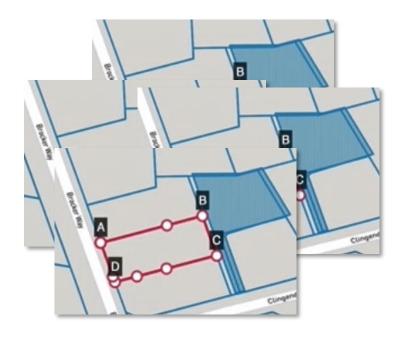
Transform data on title-by-title basis

Evolve the technology incrementally



### Transform as needed - a sliding window of data models



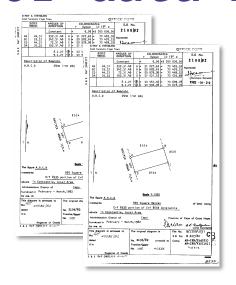


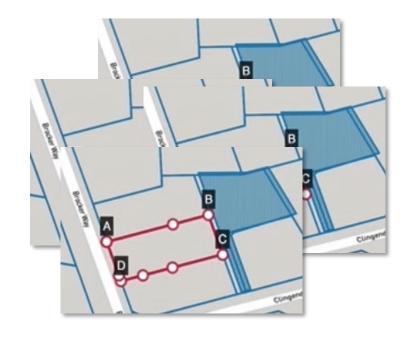
Transform data on title-by-title basis

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### Transform as needed - a sliding window of data models







Transform data on title-by-title basis

Evolve the technology incrementally



#### Solution design needs

Move away from fixed relational models

Consider Document based NoSQL databases

Visualisation needs to support all models; Edit only for latest data model

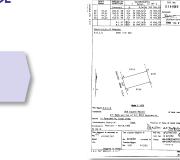
Ability to upgrade from one data model to a later one



#### Business value early, frequent change



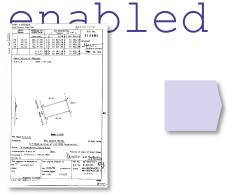


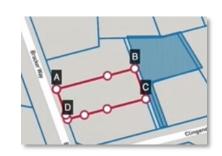


- Minimal data transformation delivers value early in the implementation process...
- Use a simple LADM compliant data model
- Rights and Land can be articulated on paper scans
- Digitise only what is needed for search



### Business value early, frequent change









- Shift to a "Change as Usual" mindset
- Adopt "Transform as Needed" approach
- Update title to newer model only when needed
- Focus background systematic transformation on records that are likely to transact



