Why preserving databases matters and why it is harder than it sounds

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Title

UPDATE PROGRAMME

SET TITLE = "Why curating relational databases is different and why it's more of a philosophical matter than one might immediately think" WHERE TITLE = "Why preserving databases matters and why it is harder than it sounds"





| STUI | DENT |
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| ID | COURSE_ID |
| 26 | CS101 |
| 27 | CS101 |





ESRC Big Data Network

- Phase 1: Administrative Data Research Network
- Phase 2: Business and Local Government Research Centres
 - Urban Big Data Centre (University of Glasgow)
 - Business and Local Government Data Research Centre: (University of Essex)
 - Consumer Data Research Centre (University of Leeds and University College London
- Phase 3: Third Sector and Social Media Data





UK Data Service: "Big Data Network Support"

- Pre-ingest / Collections Development
- Ingest
- Data Curation
- Access
- Training / Capacity Building
- Benefits Framework
- Public / Researcher Engagement
- Planning / Protocol Development
- Sustainability



Big Data Network Support: Preservation

- Capacity building within the UK Data Service
 - Research project --- archiving and providing access to administrative and transactional data
 - Research project --- archiving and providing access to social media





Operational databases --- states

- Operational
 - Current use version
- Reference
 - Non-operational snapshot
- Archive
 - Version maintained for compliance and business protection



(Source: Mullins (2007))

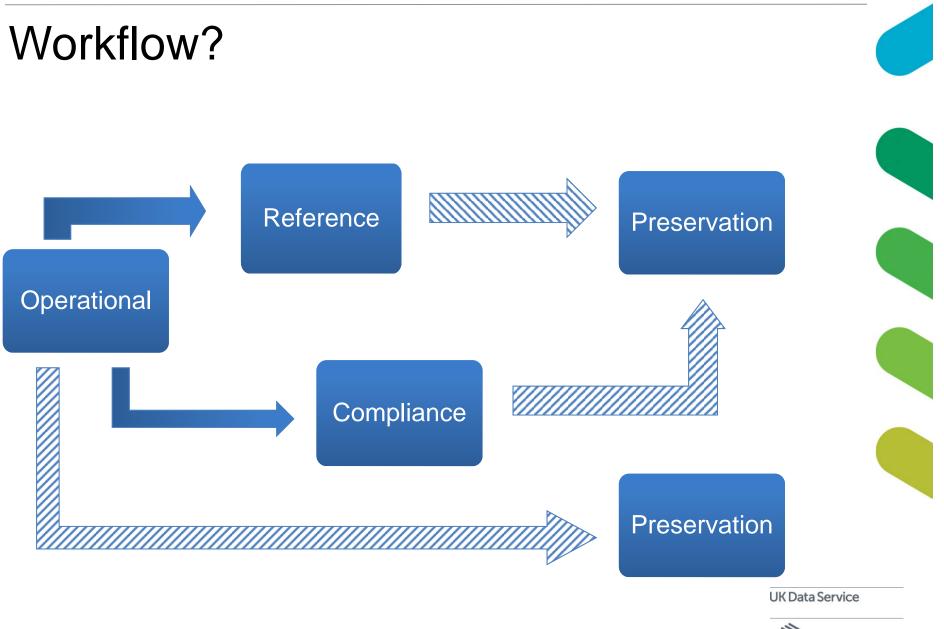


Operational databases --- states (2)

- Operational
 - Current use version
- Reference
 - Non-operational snapshot (contender for SIP)
- Compliance
 - Version constructed from non-operational records (i.e., not expected to be referenced again) (contender for SIP)
- Preservation
 - Bit-stream
 - Primary migration









Questions

- Does this model seem ring true?
- And, if yes, which is the best route to:
 - Reliability
 - Integrity
 - and Usability

