



Bridging the Gap to the Linked Data Cloud



This is *not* about starting all over

- A lot of metadata already exists
 - Formal collections: libraries, enterprise data
 - Embedded descriptions (e.g. captions, tags)
 - A lot of metadata is being produced now, manually and automatically
 - Catalogue data, product descriptions
 - Device-generated data
 - Linked Data to leverage what is already there
-



Metadata is where the meaning is

- Metadata adds meaning to resources
- Specific statements about specific data
- No Linked Data without meaning
- Technology is a tool not the goal
 - Linked data technology may (will) change
 - The meaning of data is anchored in the real world
 - Any implementation will need to allow evolution



How open is open?

- “Open World” assumption does **not** mean all data must be available without restrictions
 - Private data will have to remain private
 - Personal information, commercial secrets
 - Linked Open Data vs. Linked Enterprise Data
 - Both types of implementation are useful
 - Open paradigm allows data to be shared more easily if and when necessary
-

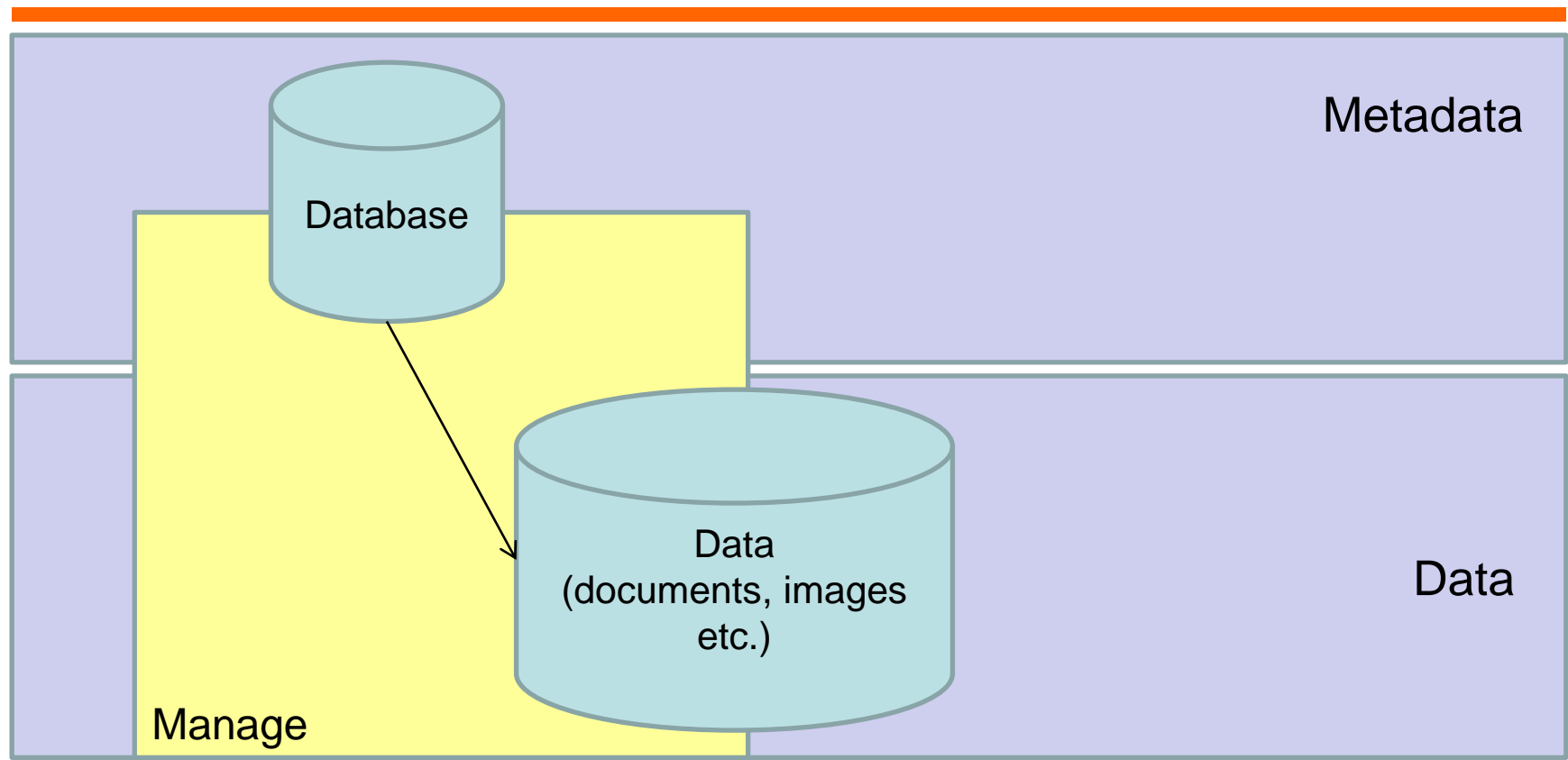


Convert or expose?

- Existing metadata approaches are based on business needs and will therefore live on
- Consider future needs for flexibility and sharing
- There is a choice:
 - Create RDF from existing database format and expose (e.g. for harvesting, get better ranking)
 - Migrate database to triple store with emerging tools (maximum flexibility in return for investment)

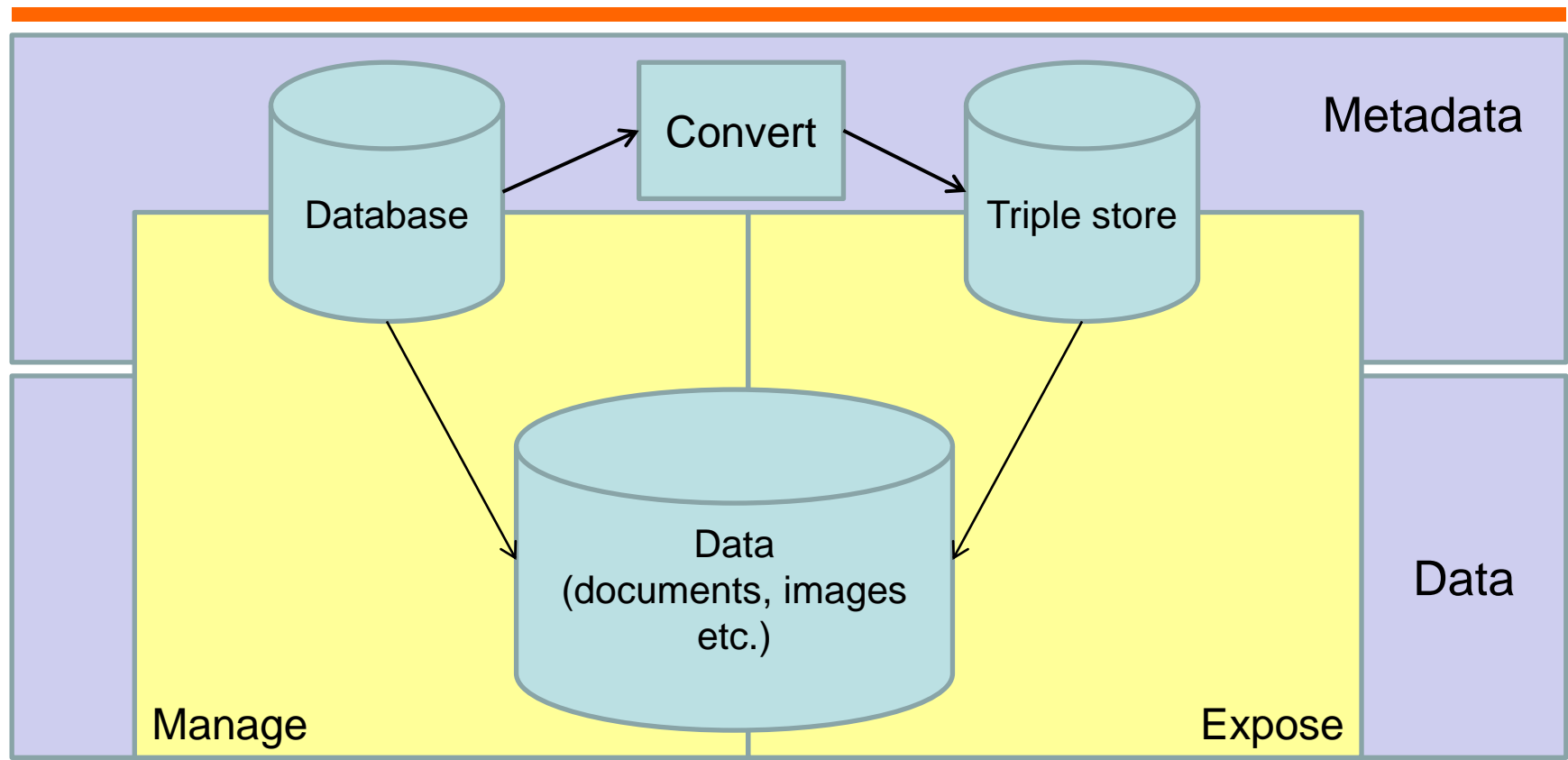


Migration path



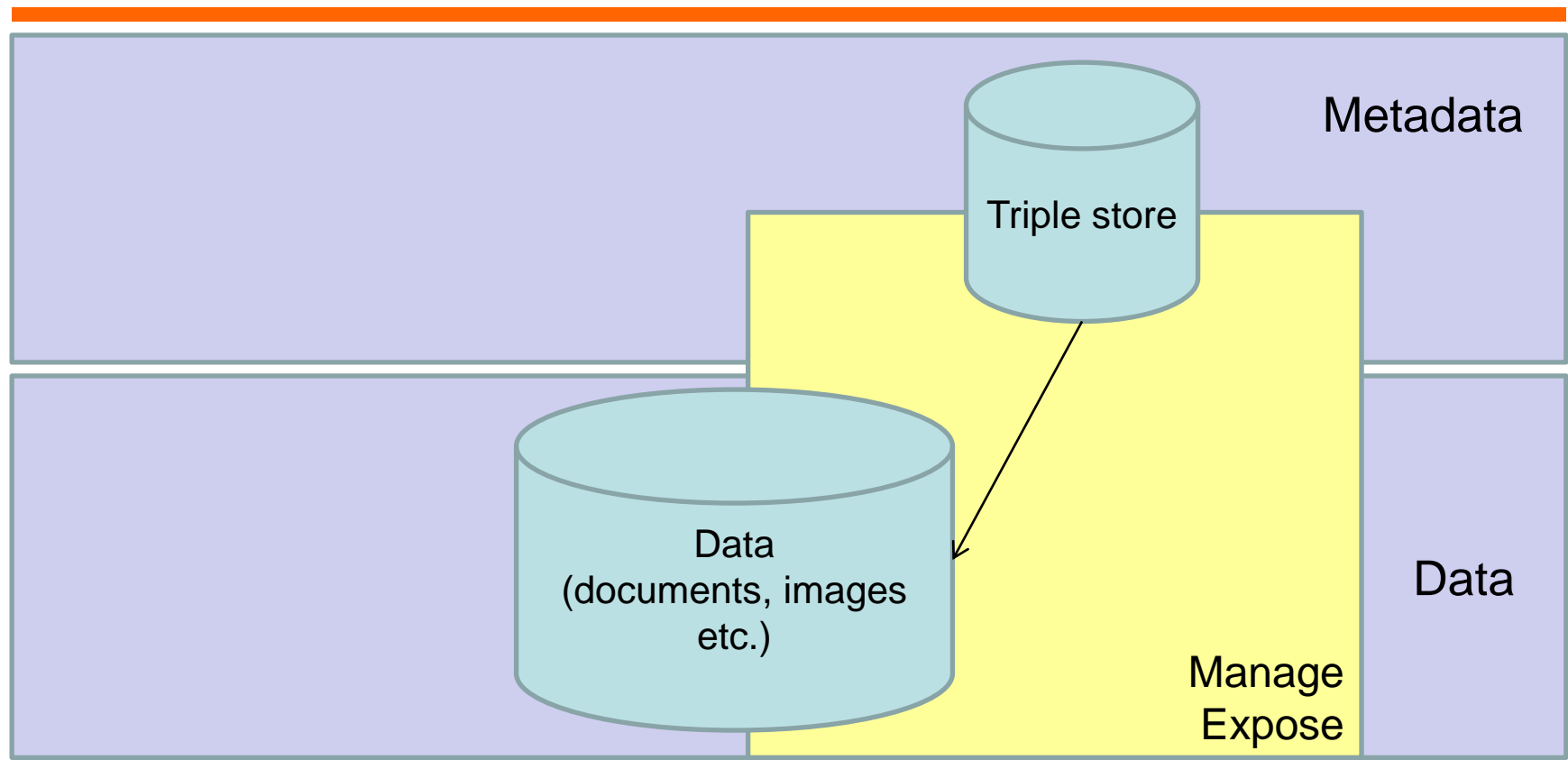


Migration path





Migration path





Using Linked Data vocabularies

- Linked Data provides enormous flexibility
- A choice to be made:
 - Define your own vocabulary
 - Use existing (“standard”) vocabularies
- Using trusted vocabularies reduces complexity for interoperability
- Well-known vocabularies:
 - Dublin Core, Good Relations, FOAF, SKOS



DCMI trusted operational principles

- Development and maintenance of the Dublin Core vocabulary, “DCMI Terms”
 - Open consensus building
 - International scope and participation
 - Neutrality of purposes and business models
 - Neutrality of technology
 - Cross-disciplinary focus
- Unrestricted use of specifications and guidelines



DC-2010

- Tenth International Conference on Dublin Core and Metadata Applications
 - Pittsburgh Hilton, 20-22 October 2010
 - Sessions and presentations on:
 - Modularity, migration, models, communities
 - Practical examples, tools, knowledge management
 - ... and a lot of Linked Data
 - <http://dc-2010.org/>
-