

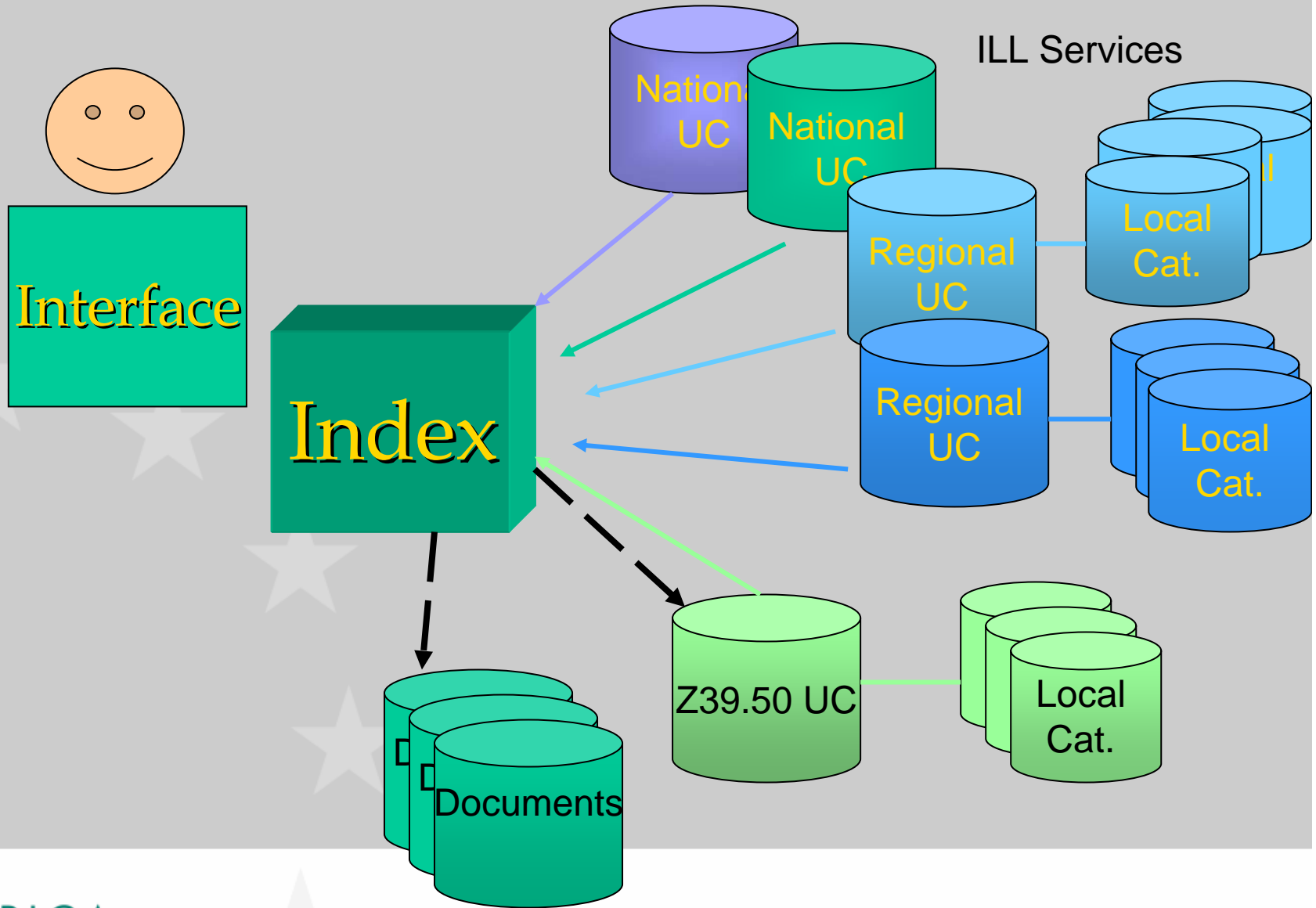
FRBR and Union Catalogues

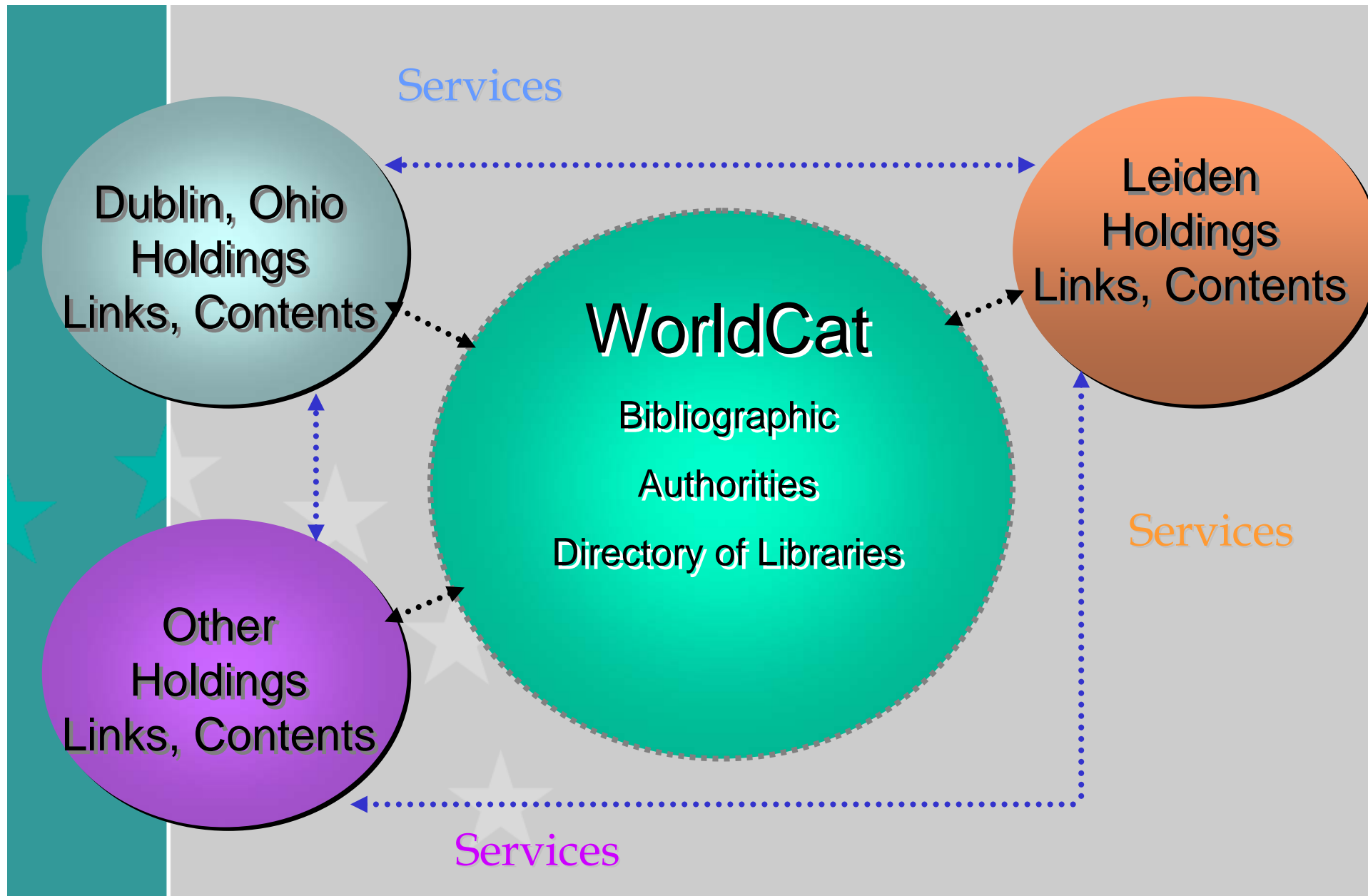
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Consultant, OCLC PICA

Evolution of Union Catalogues – Bigger

- OCLC 49 million records
- OCLC PICA 30+ million records (PiCarta 70 million)
- Pan European Catalogue
 - EUCAT
- WorldCat
 - Multiples nodes
 - Dublin, Ohio, U.S.A.
 - Leiden, Netherlands
 - Other

Index Pan European - EUCAT





Evolution of Union Catalogues – Broader

- Links with
 - Full text databases
 - Local Library Systems
 - Bookshops, library suppliers and publishers
 - Other databases – Level of work
 - Abstracts
 - Citations
 - Reviews
 - Other databases – Level of manifestation+
 - Covers, tables of contents
 - Other databases – Level of Creator
 - Biographies, photographs, bibliographies

Needs of a Large Index

- Discover only that which is relevant = Precision
- Discover all that is relevant = Recall
- Display large result sets in an elegant and efficient way
- Allow navigation internally within the index and externally = surfing
 - Changing role of the library
 - Before focussed on the local collection
 - Now focussed on access

The Hopes

- Optimise discovery
- Improve cataloguing
- Optimise delivery

Optimise Discovery

- Search
- Browse
- Navigation
- Manipulation of results
- Clustering into works
- Work - works
- Work - expressions
- Expression – expressions
- Expression – manifestations
- Authorities
- URL, openURL
- Changing the filing
- Personalising the grouping, especially at expression level

Improve Cataloguing

- Cataloguing at 3 or 4 levels
 - Eventually copying at 3 levels
 - Faster (search faster; less keying)
 - More precision in relation to version
- Authorities
 - Multiple versions – languages – links among them
 - Links to bibliographic records at 3 levels
 - External links – biographies, etc.



Optimise Delivery

- Rights management
 - Author – Work
 - Publisher – Manifestation
 - Importance of the work
 - Importance of authorities
- Selection of the most appropriate copy
 - Loan, ILL or
 - Access to full text

Experiences

- 'Work' helps discovery
 - De-duplication effect - improves browsing
- 'Expression' – difficult, except language
 - Criteria different depending on form / format
 - Books, serials, music etc.

- It is necessary to work with existing MARC records where it is very difficult to extract expressions

Display of the second level

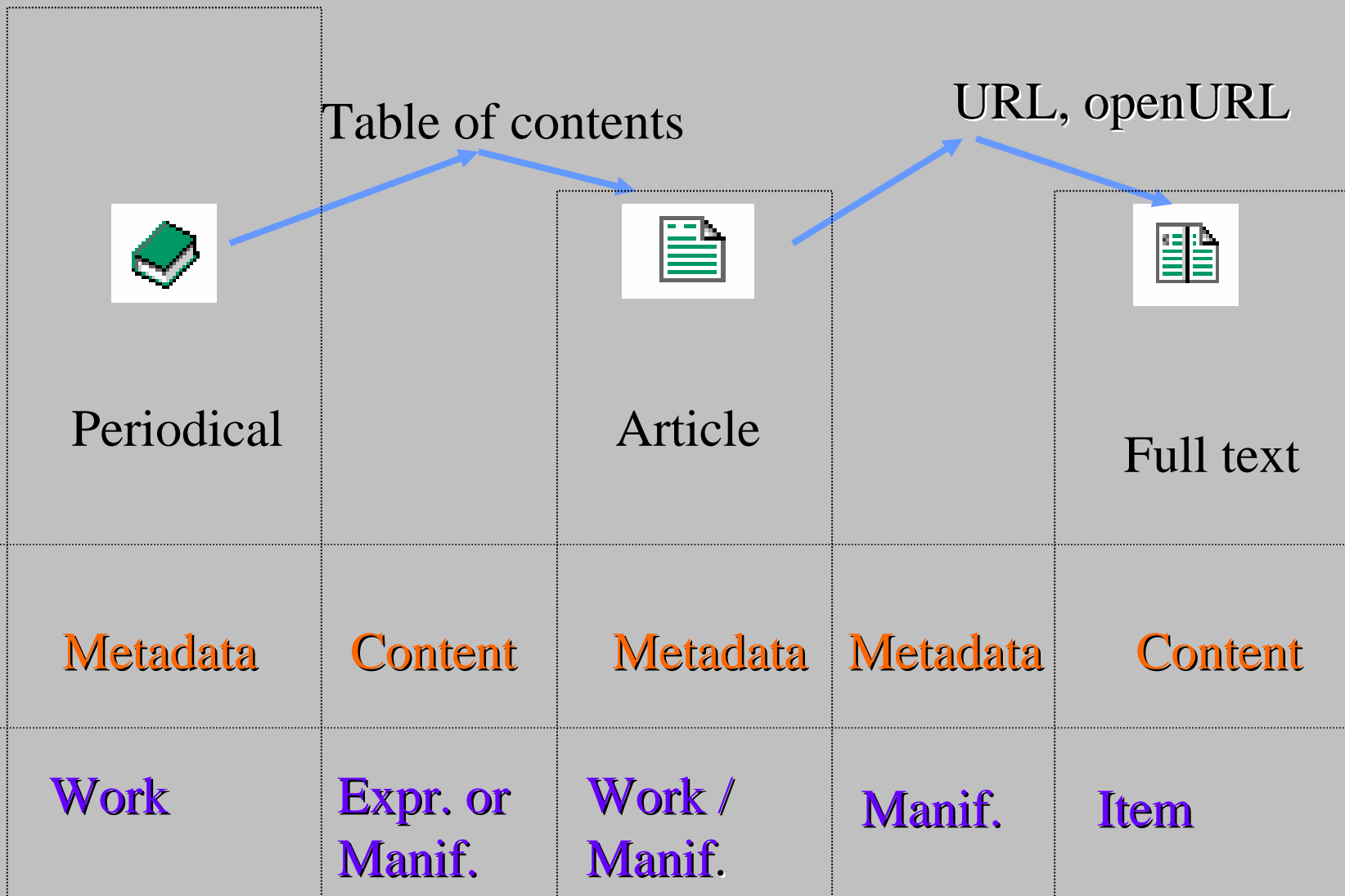
- Choice of the user
 - Dynamic and capable of being modified
 - Sometimes, this level should be masked
 - Possibility to mix elements of expression and of manifestation
 - Choice of re-filing or of limiting by
 - Form, format, date, language, relevance, availability of copies, location, other

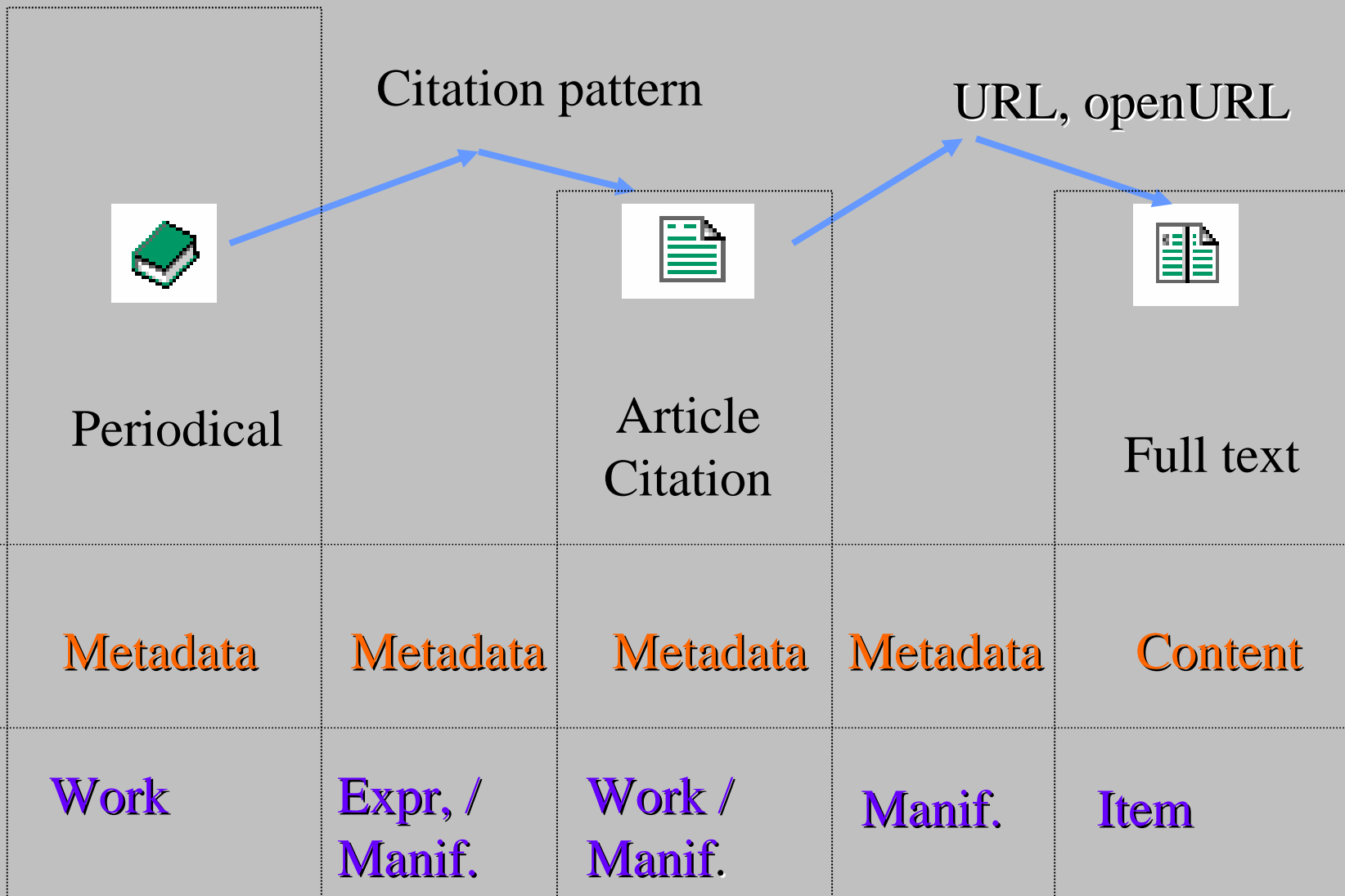
Statistics

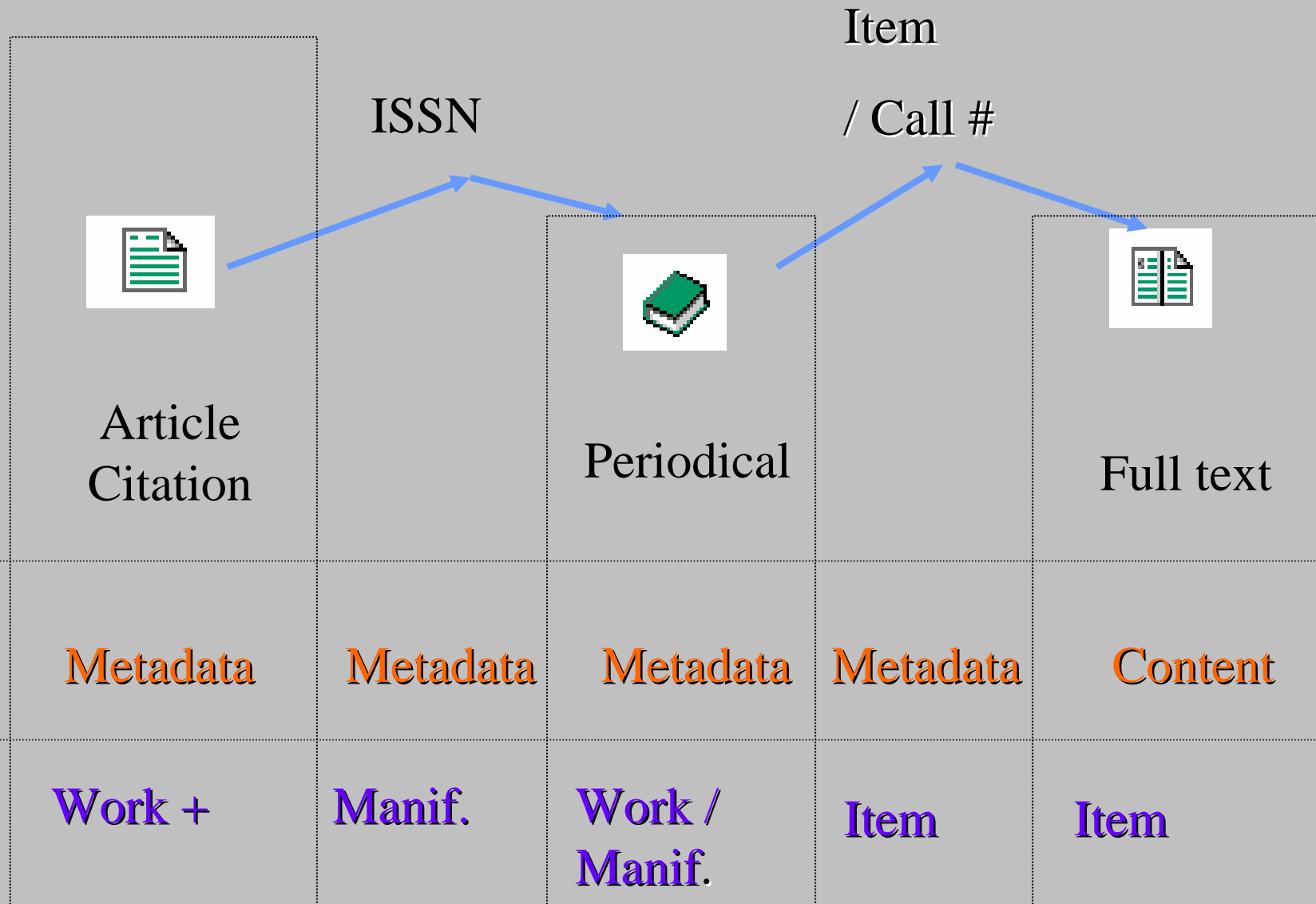
- Differences among domains
 - The classics of literature against
 - Scientific studies
- Some examples
 - DBC – Stephen King
 - 102 works, 231 manifestations, 362 MARC records
 - OCLC – Shakespeare, Hamlet
 - 1 work, 2696 manifestations
 - OCLC – Rowling, J.K.
 - 28 works, 300 manifestations
 - OCLC – average = 1 work / 1.5 manifestations

OCLC – George Harrison, If I needed someone

- E1 Original version Beatles 1965
 - M1 Rubber Soul 1965
 - M2 Yesterday and Today 1966
 - M3 Best of George Harrison 1976
- E2 Cover by the Hollies 1965
 - M1 1965
 - M2 Hollies 1977
- E3 Version 'live' by George Harrison 1991
 - M1 'Live in Japan' 1992



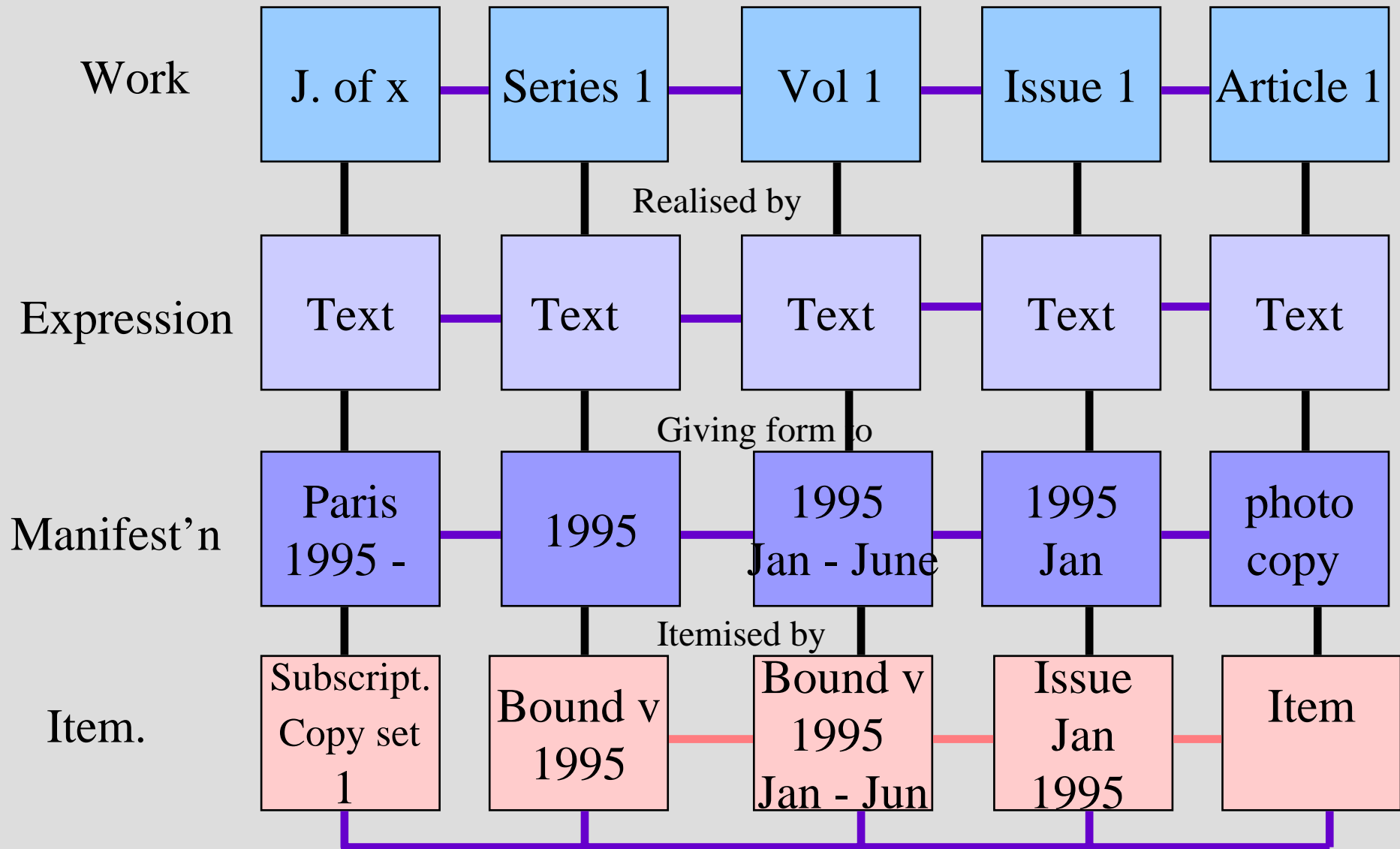




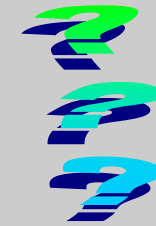
Serials

- Work
 - A periodical title is a work
 - Each part of enumeration represents a work, e.g. an issue, a volume
 - Each article is also a work
- Expression / Manifestation
 - Form / Format – CDROM / paper
 - Publication pattern is closely linked

- Relation – complete work / part
- Relation reconfiguration, e.g. bound with



Problems



- How to make interfaces among new systems and the legacy systems?
 - Load records at 3/4 levels into a legacy database
 - Load traditional records into a new database at 3/4 levels
 - Multi-target searching where the databases are not homogeneous
- The 2nd level - expression?

Standards

- How to search?
 - New attributes
 - New schemas
- How to navigate?
 - New identifiers
 - Work and expression
 - Exist now for manifestation (ISBN etc.)
- How to exchange records?
 - New identifiers
 - New record schemas

Normalisation - Format

- XML/RDF schemas for
 - Work
 - Work + Expression/s
 - Work + Expression/s + Manifestation/s

Standards - Searching

- Z39.50
- ZING SRU
- Counts at 3 levels
- Search attributes
- Records schemas
- Bath profile
 - Bibliographic
 - Holdings
 - Authorities
 - Cross domain