Identification and cross-domain metadata interoperability

Godfrey Rust, Rightscom/RDI/Copyright Hub
New initiatives on interoperability

LCC (Linked Content Coalition)
Consortium of ID and data standards bodies formed to promote interoperability. 
*EDItEUR, IDF, IPTC, Movielabs, NISO, PLUS Coalition*
ISO Identifier agencies expected to join.

RDI (Rights Data Integration project)
Building prototype implementation of LCC data model for metadata interoperability.

Copyright Hub (with Digital Catapult)
Not-for-profit, permanent initiative to facilitate content licensing (using LCC/RDI and own tech).
A linked identifier network

(Based on LCC data model)
A linked identifier network

“Anything made by human beings in which rights may exist”
A linked identifier network

May be physical, digital or abstract

Most DOIs identify abstractions, not digital or physical manifestations
May have parts or derivations which need to be identifiable to any level of required granularity.

eg EIDR identifies components of AV works with DOIs
A linked identifier network

The often complex relationship links between Creations are increasingly important in managing and exploiting content.

eg Crossref citations
A linked identifier network
A linked identifier network

A person or organizations

PARTY

makes

uses

CREATION

eg EIDR identifies parties with DOIs
It’s OK to have many IDs for the same thing, as long as they are linked to each other and those links are accessible.

Existing IDs have to be used – we can’t “start again”.

eg ISNI stores many different Party IDs against one ISNI.

eg EIDR stores many Creation IDs against one DOI.
Two other things will need public IDs if the digital content and rights network is going to function well and be highly automated.
A linked identifier network

- **Party** makes **Rights Assignment** makes **Creation** uses

“A law, agreement or policy by which a Right is granted to a Party.”
A linked identifier network

“A state in which a Party is entitled to do something in relation to a Creation”
A linked identifier network

Only when each of these entities is identified, and that ID is resolvable to a URL for some action can content management function really effectively in the digital network.
A linked identifier network

Not bad – some big gaps, and not enough resolution.
Getting somewhere at last – ISNI the big hope.
A linked identifier network

Lots of individual License IDs, but not actionable.
A linked identifier network

- **PARTY** makes **CREATION** uses
- **PARTY** makes **RIGHTS ASSIGNMENT**
- **RIGHTS ASSIGNMENT** makes **RIGHT** defines
- **RIGHT** applies to

The missing link – LCC/RDI/ Copyright Hub to pilot 2015
Metadata interoperability

Each ID may have metadata associated with it, often in many places.
If we query one place, or within an established supply chain, we are likely to be able to deal with metadata without difficulty. This has been DOI RAs experience to date.
But if we query several places which use different formats and vocabularies, we may have problems both with searching and with aggregating the results.
The work of LCC/RDI/Copyright Hub will enable content and rights data with any structure and controlled vocabularies to be mapped and integrated, either for querying or when dealing with results.