Identification and cross-domain metadata interoperability

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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.

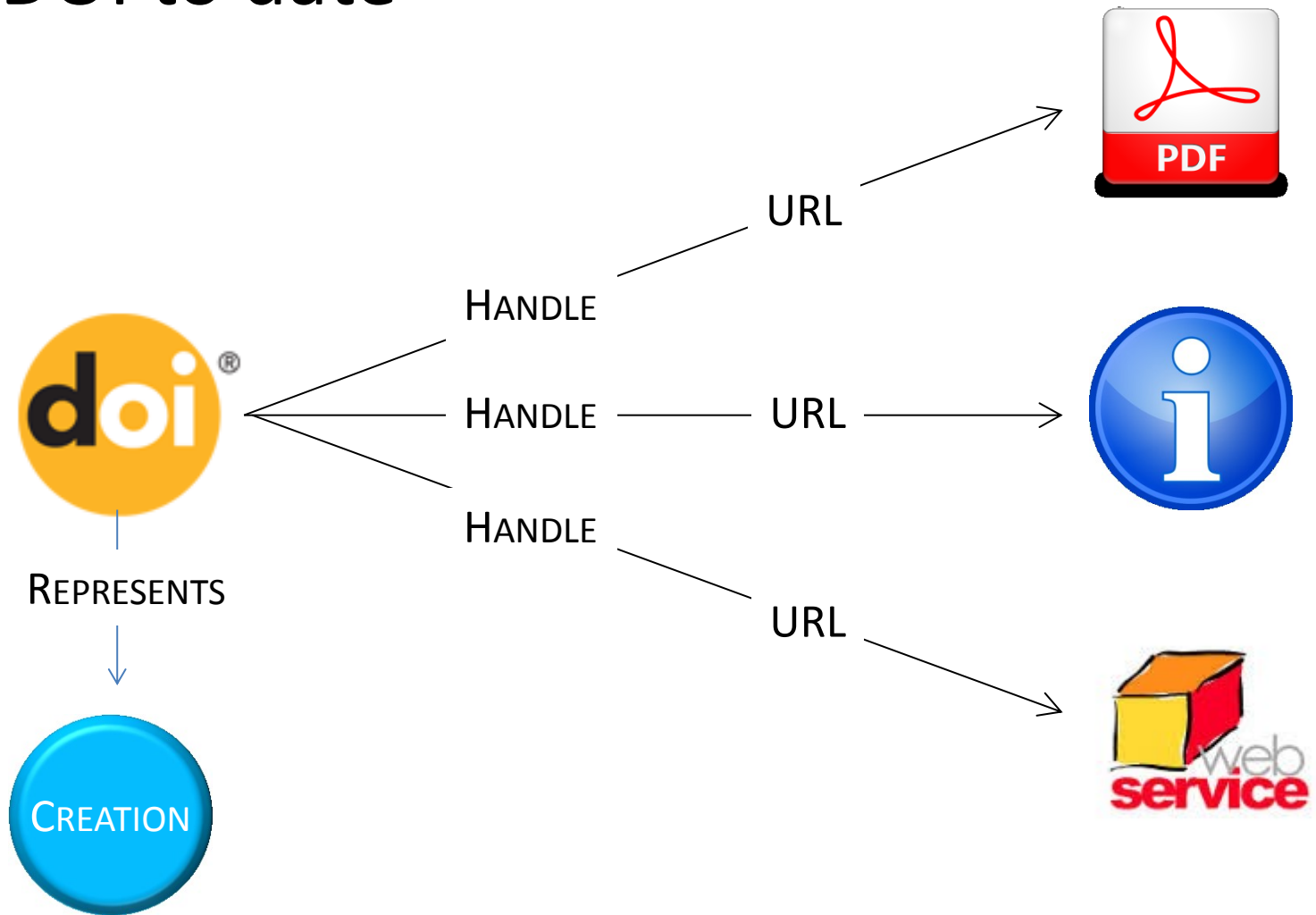**RDI (Rights Data Integration project)**
Building prototype implementation of LCC data
model for metadata interoperability.

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

DOI to date

A linked identifier network

(Based on LCC data model)

A linked identifier network

CREATION

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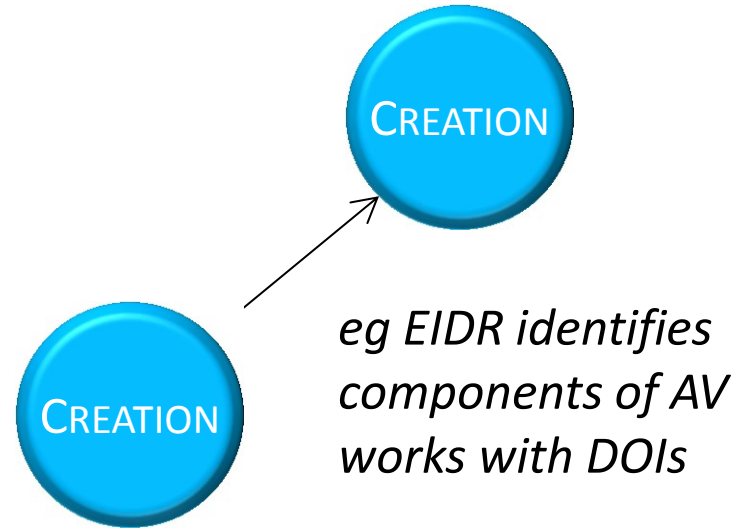
A linked identifier network

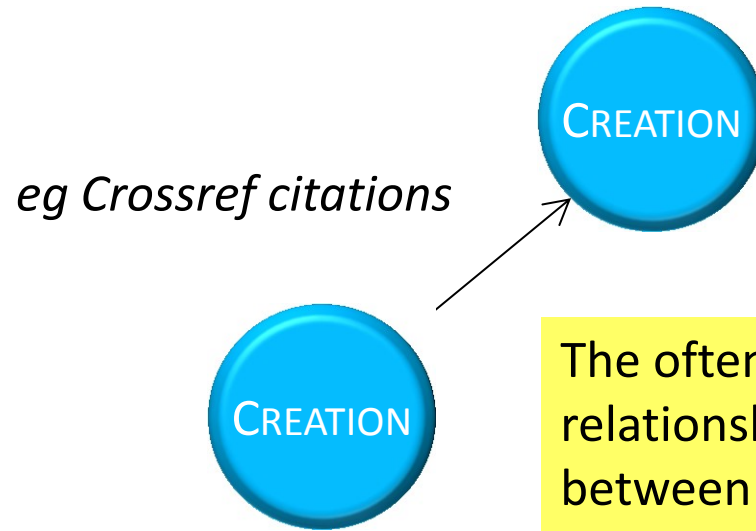May be physical, digital or abstract

CREATION

Most DOIs identify abstractions, not digital or physical manifestations

A linked identifier network

May have parts or derivations which need to be identifiable to any level of required granularity.
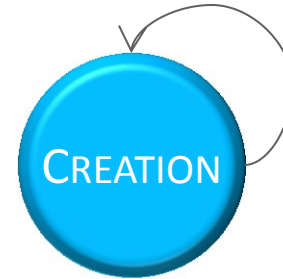
CREATION

CREATION

eg EIDR identifies components of AV works with DOIs

A linked identifier network
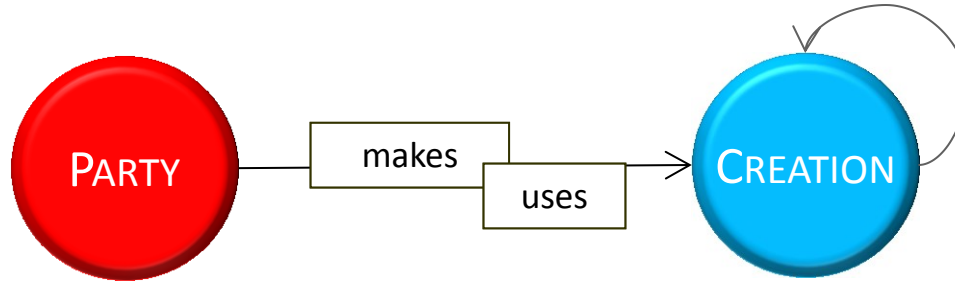
eg Crossref citations

CREATION

CREATION

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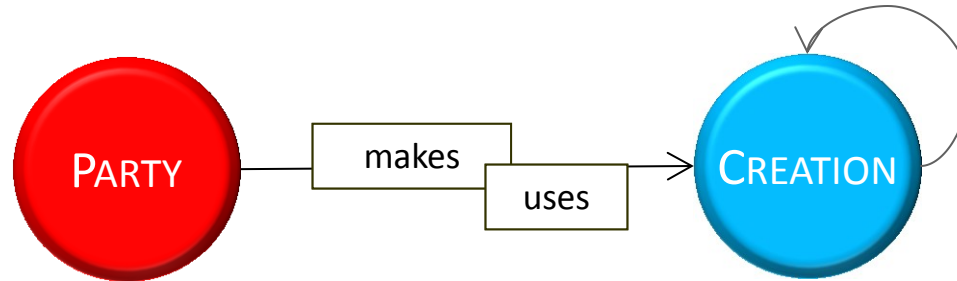
A linked identifier network

CREATION

A linked identifier network

A person or organizations

PARTY

makes

uses

CREATION

eg EIDR identifies parties with DOIs

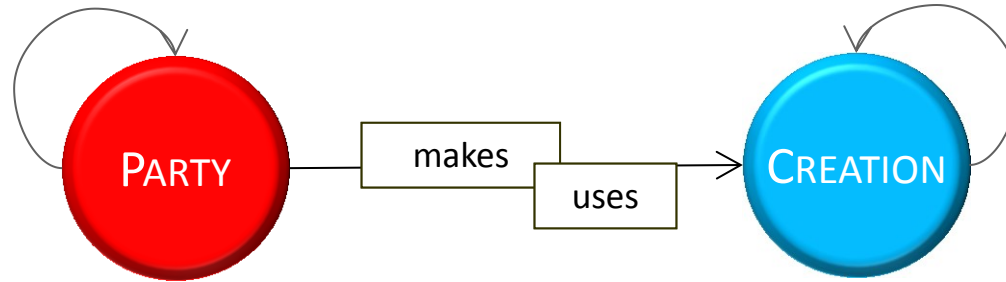# A linked identifier network

PARTY — makes / uses → CREATION

eg ISNI stores many different Party IDs against one ISNI.

eg EIDR stores many Creation IDs against one DOI.

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.
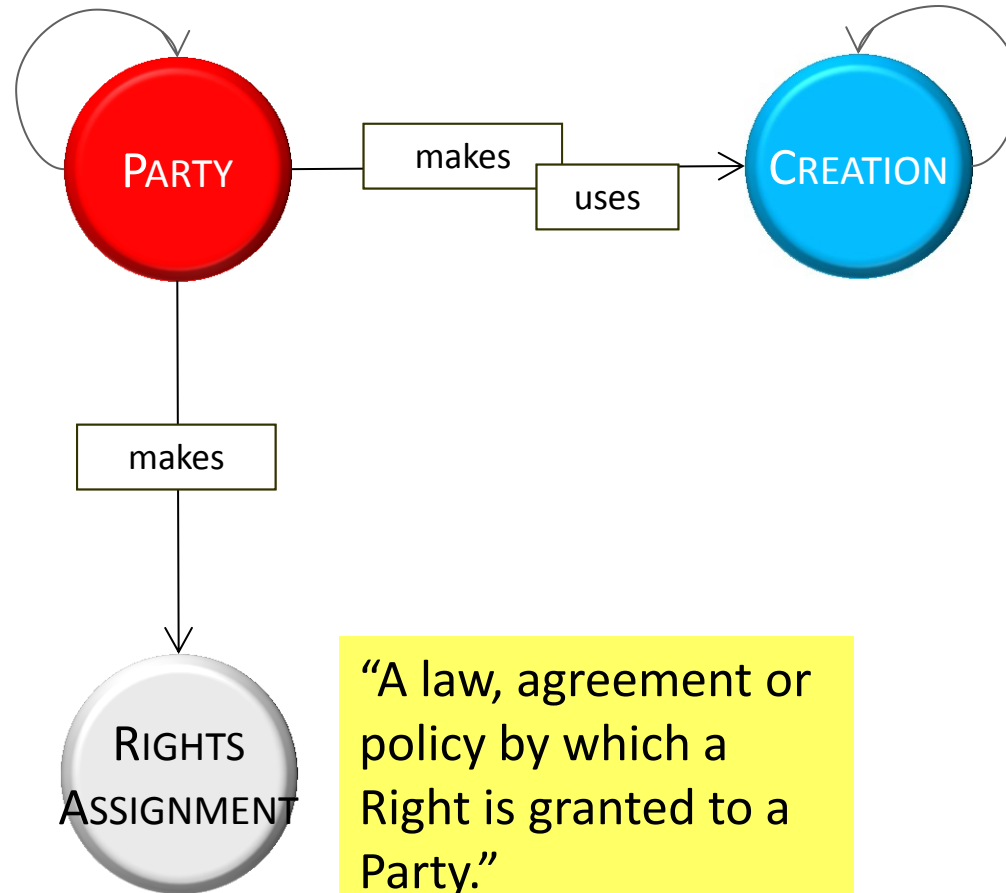
Existing IDs have to be used – we can't "start again".
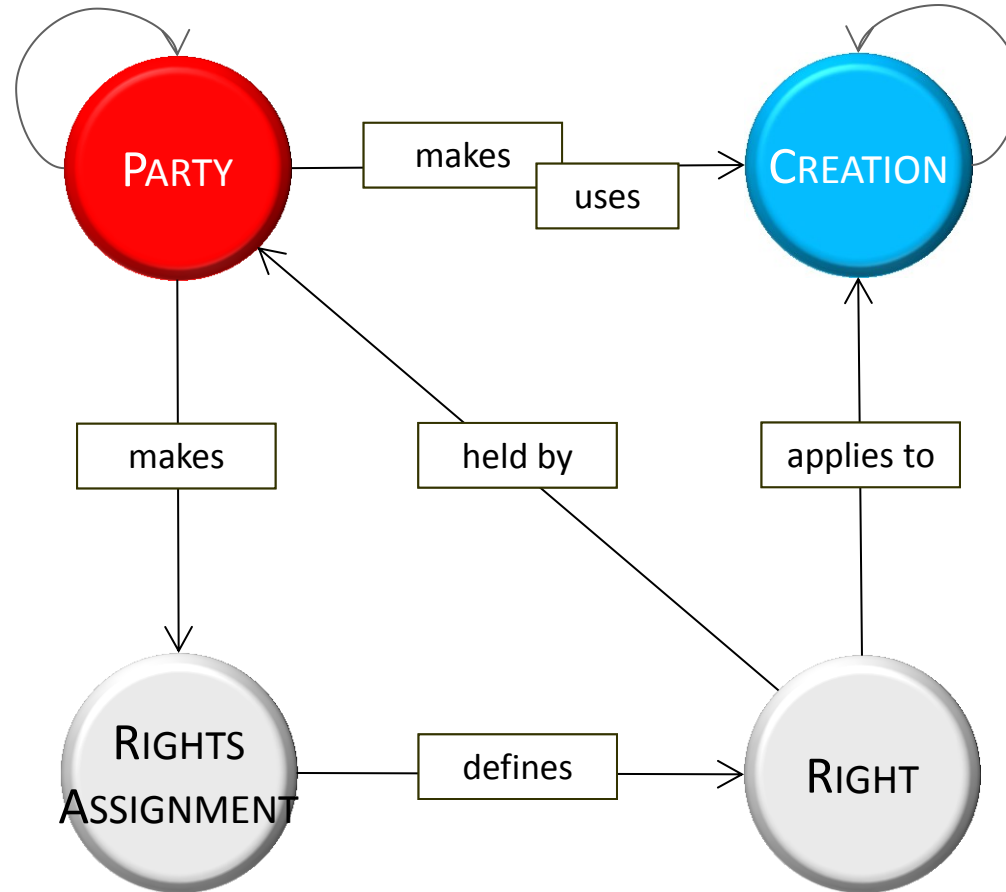
A linked identifier network

Two other things will need public IDs if the digital content and rights network is going to function well and be highly automated.
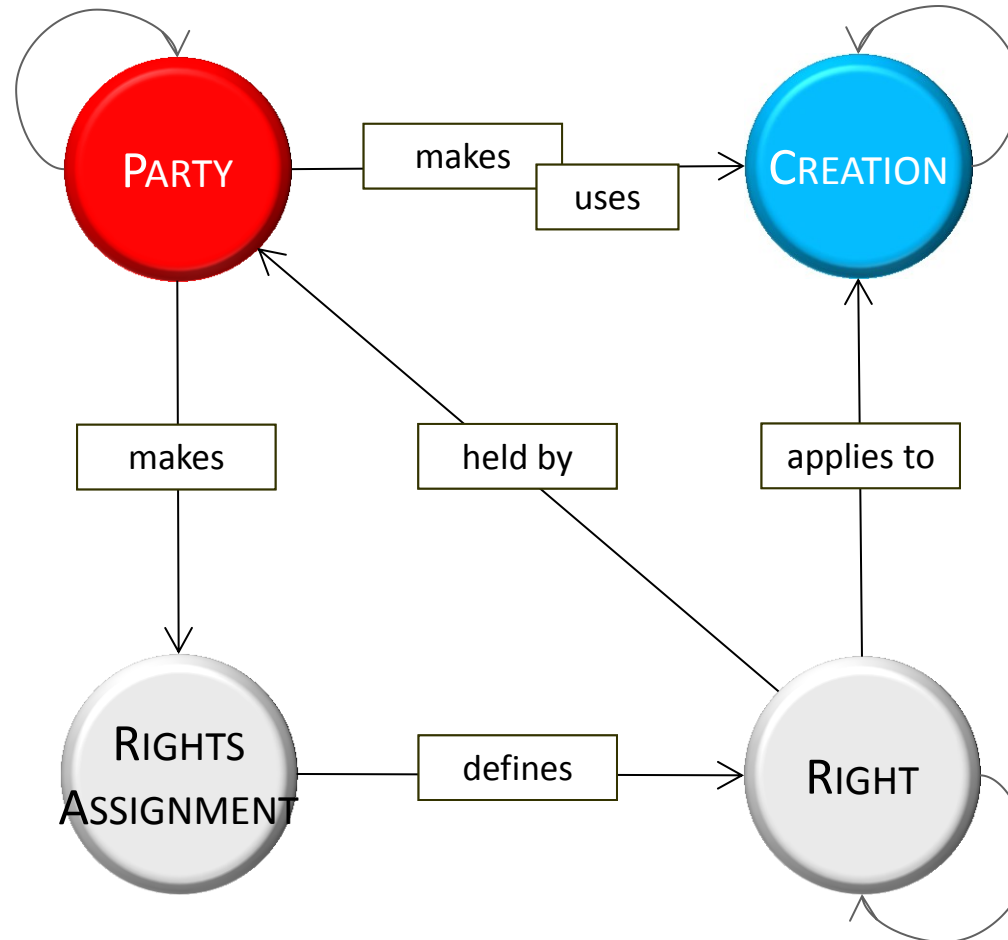
A linked identifier network
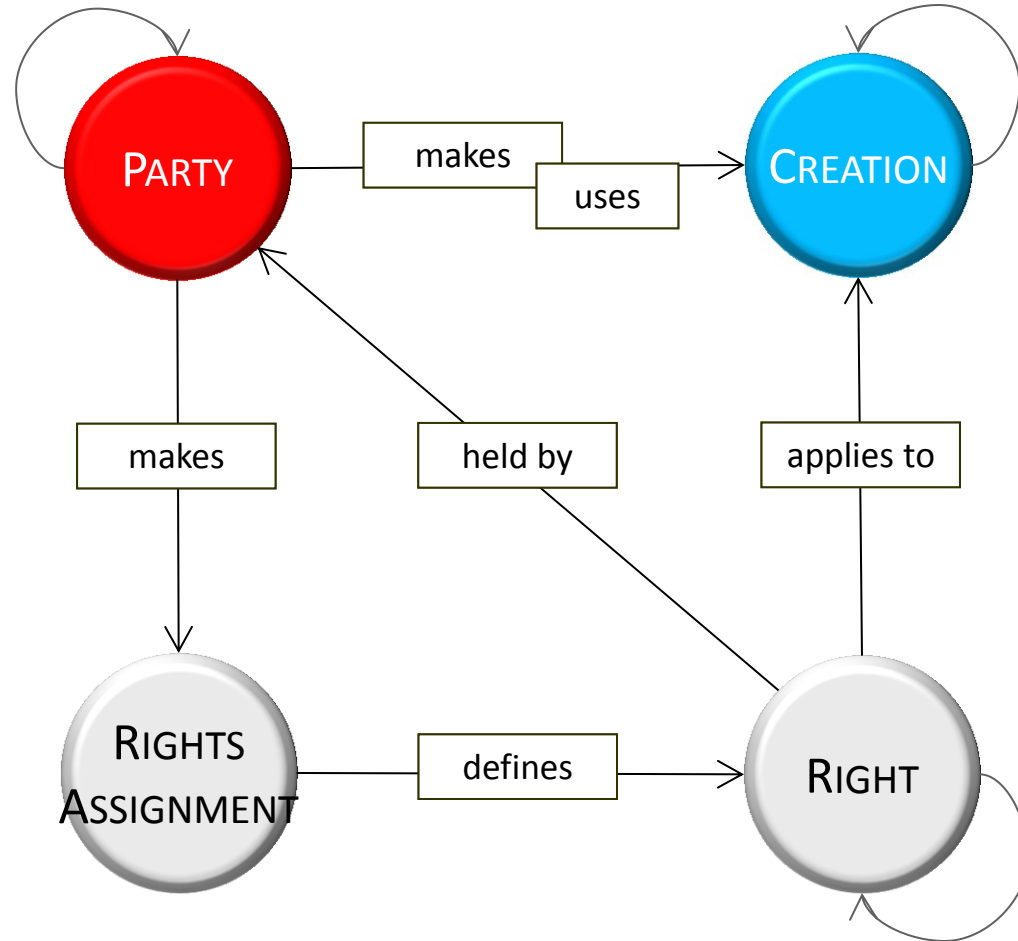
A linked identifier network

PARTY

CREATION

makes

uses

makes

held by

applies to

RIGHTS ASSIGNMENT

defines

RIGHT

"A state in which a Party is entitled to do something in relation to a Creation"

A linked identifier network

PARTY — makes / uses → **CREATION**

PARTY — makes → **RIGHTS ASSIGNMENT**

RIGHTS ASSIGNMENT — defines → **RIGHT**

RIGHT — held by → PARTY

RIGHT — applies to → CREATION

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.
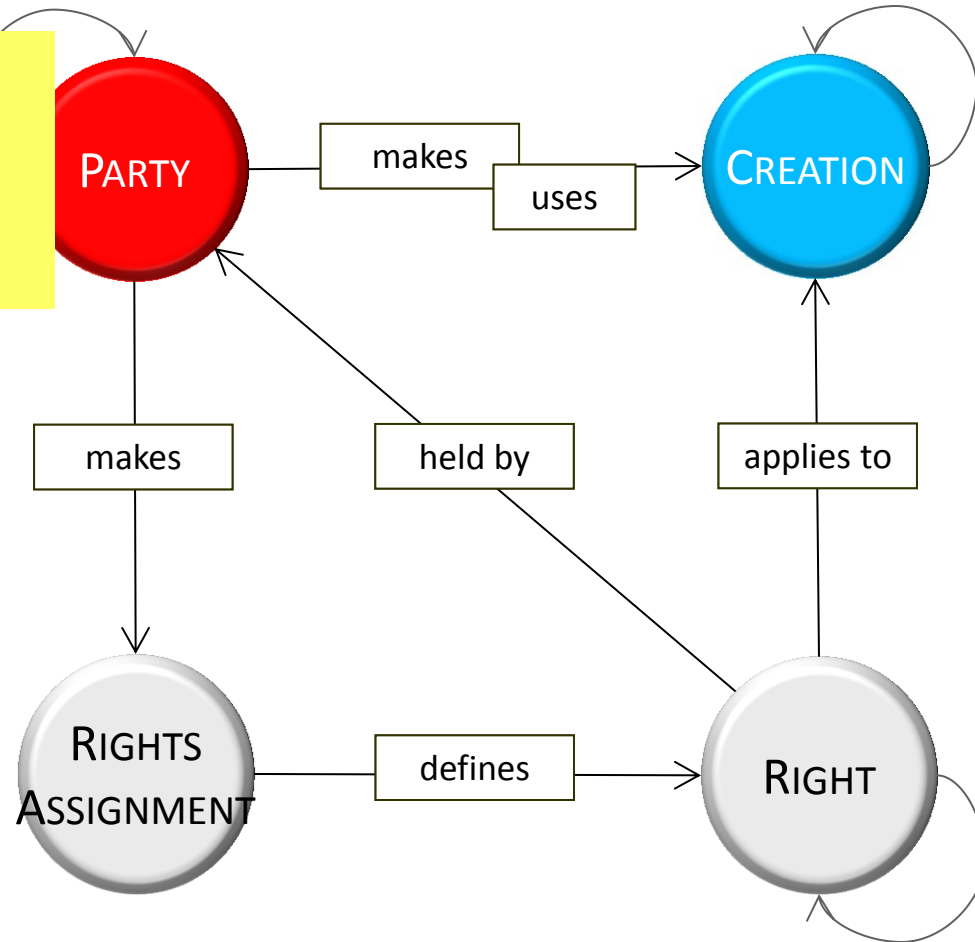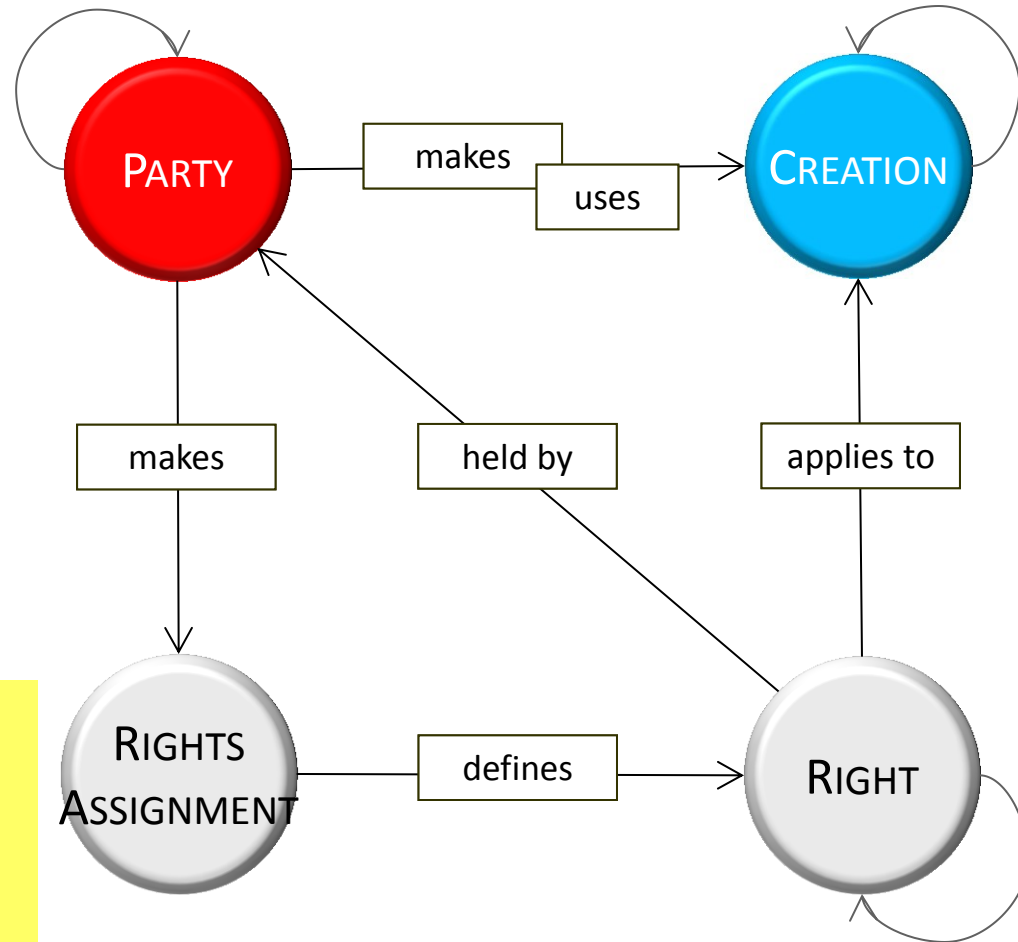
A linked identifier network

Not bad – some big gaps, and not enough resolution.

A linked identifier network

A linked identifier network

PARTY — makes / uses → CREATION

PARTY — makes → RIGHTS ASSIGNMENT

RIGHTS ASSIGNMENT — held by → PARTY

RIGHT — applies to → CREATION

RIGHTS ASSIGNMENT — defines → RIGHT
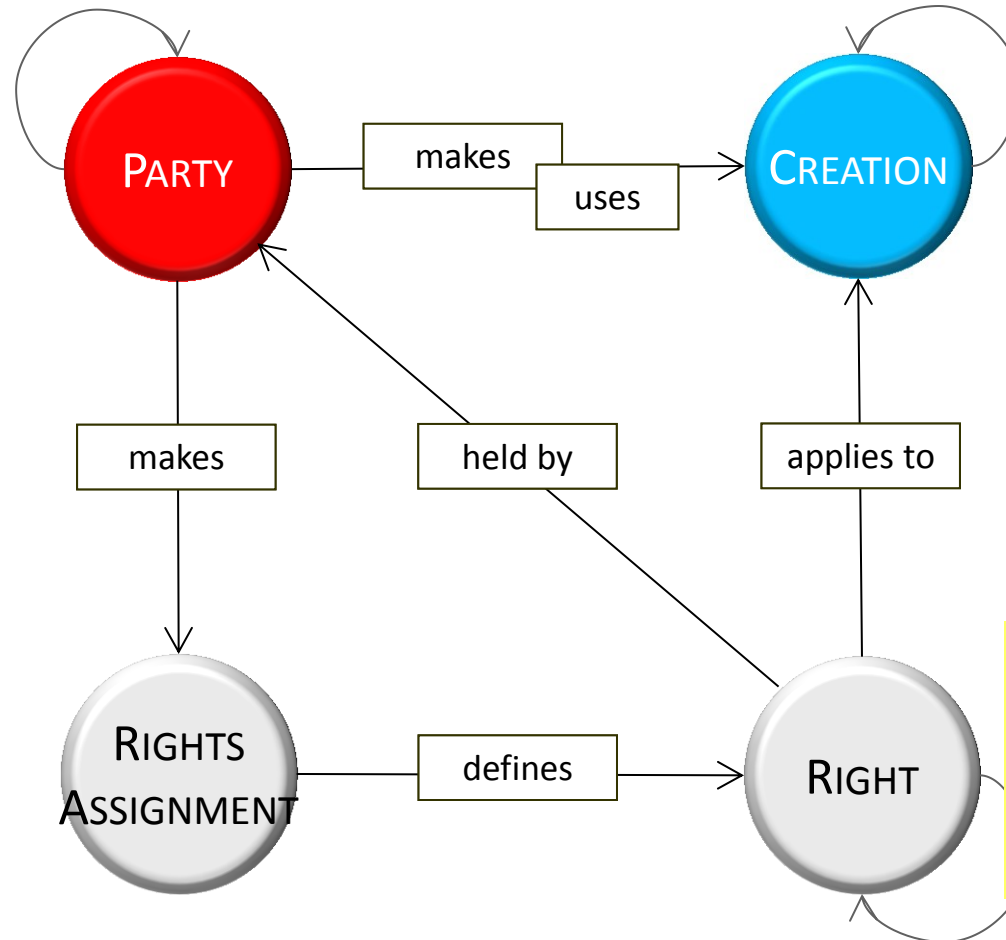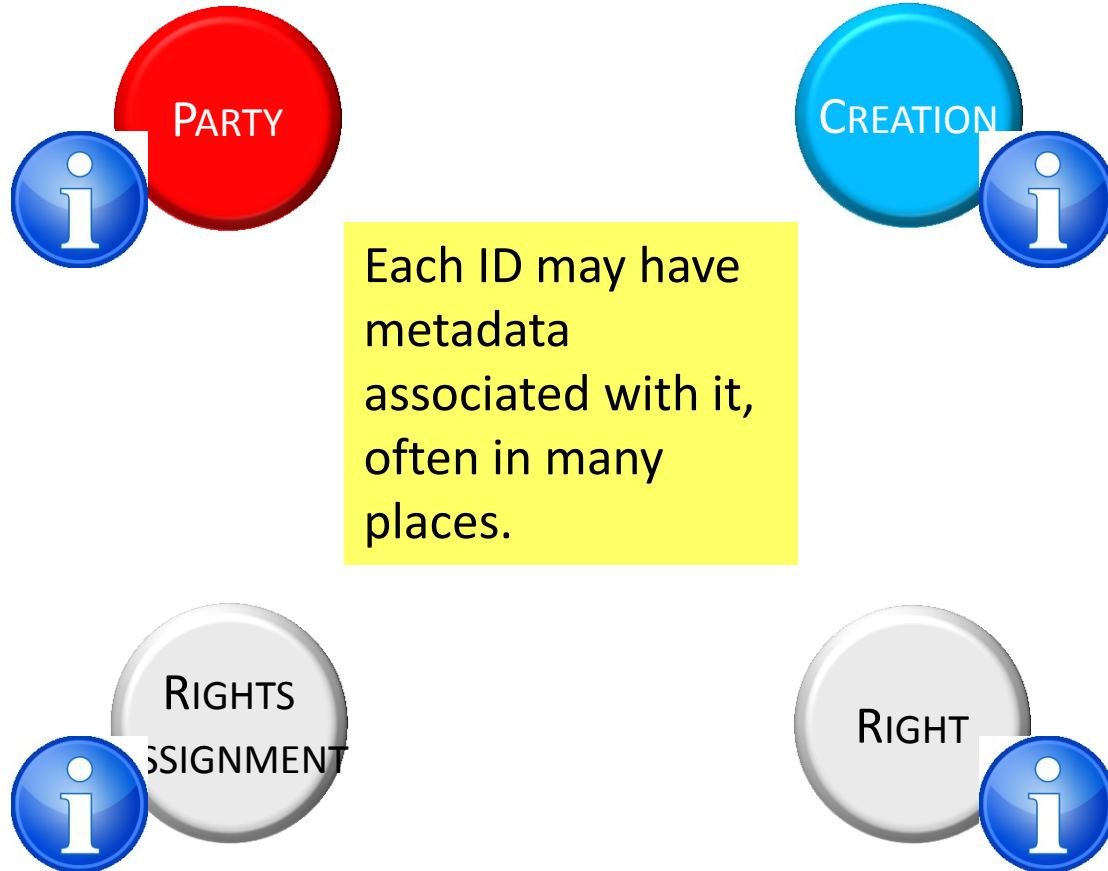
Lots of individual License IDs, but not actionable.

A linked identifier network

Metadata interoperability

PARTY

CREATION

Each ID may have metadata associated with it, often in many places.

RIGHTS ASSIGNMENT

RIGHT

Metadata interoperability

PARTY

CREATION

?

RIGHTS ASSIGNMENT
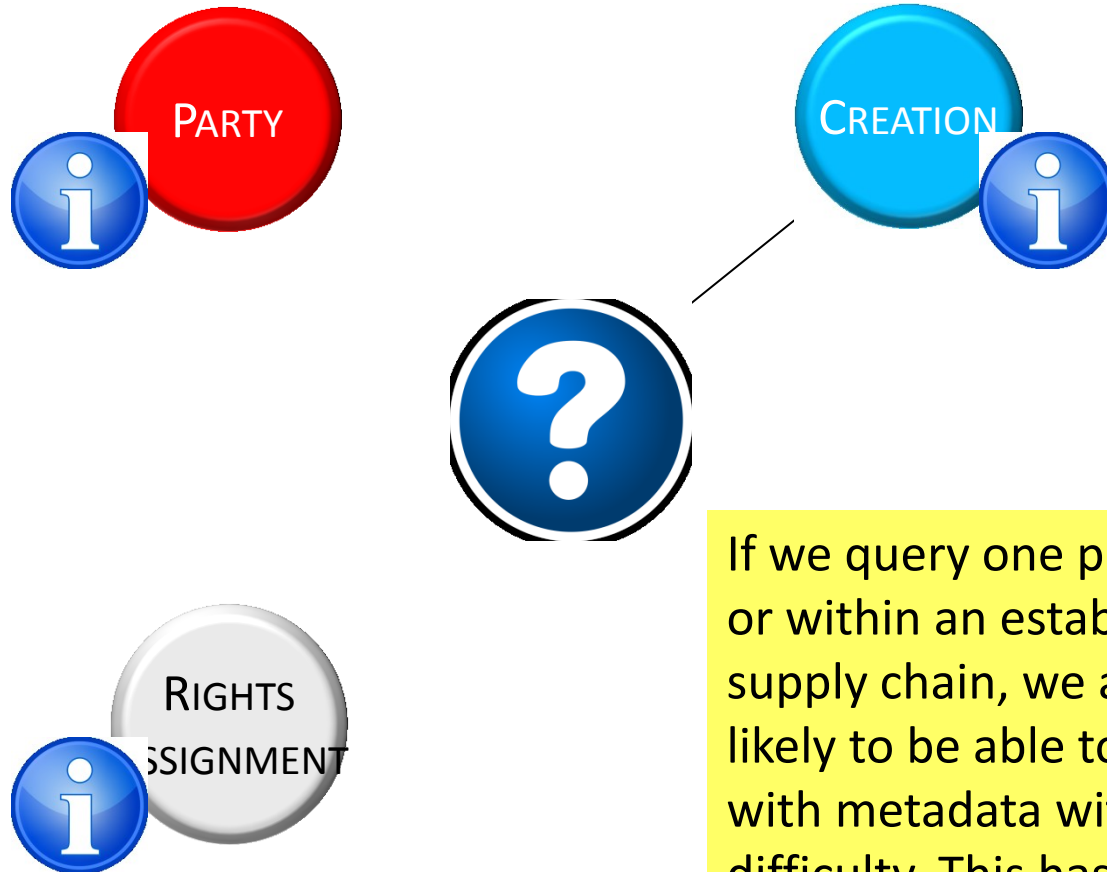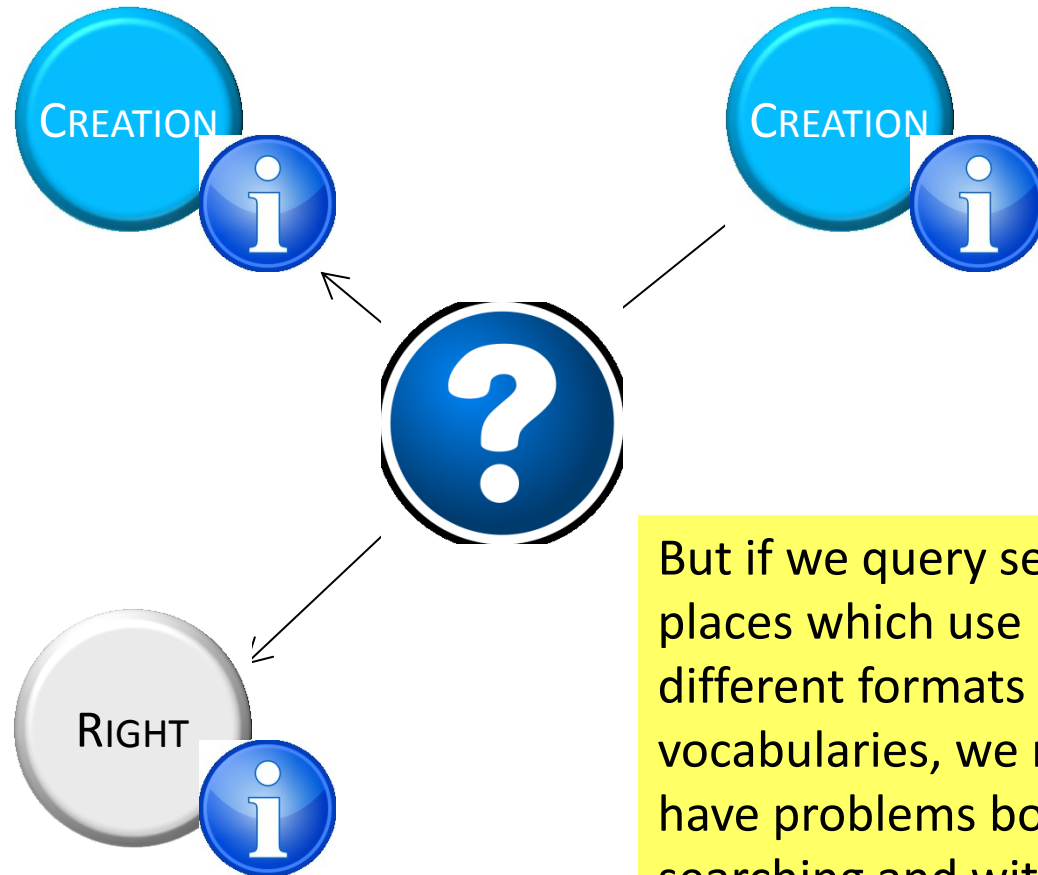
If we query one place, or within an established supply chain, we are likely to be able to deal with metadata without difficulty. This has been DOI RAs experience to date.

Metadata interoperability

CREATION

CREATION

?

RIGHT

But if we query several places which use different formats and vocabularies, we may have problems both with searching and with aggregating the results.

Metadata interoperability
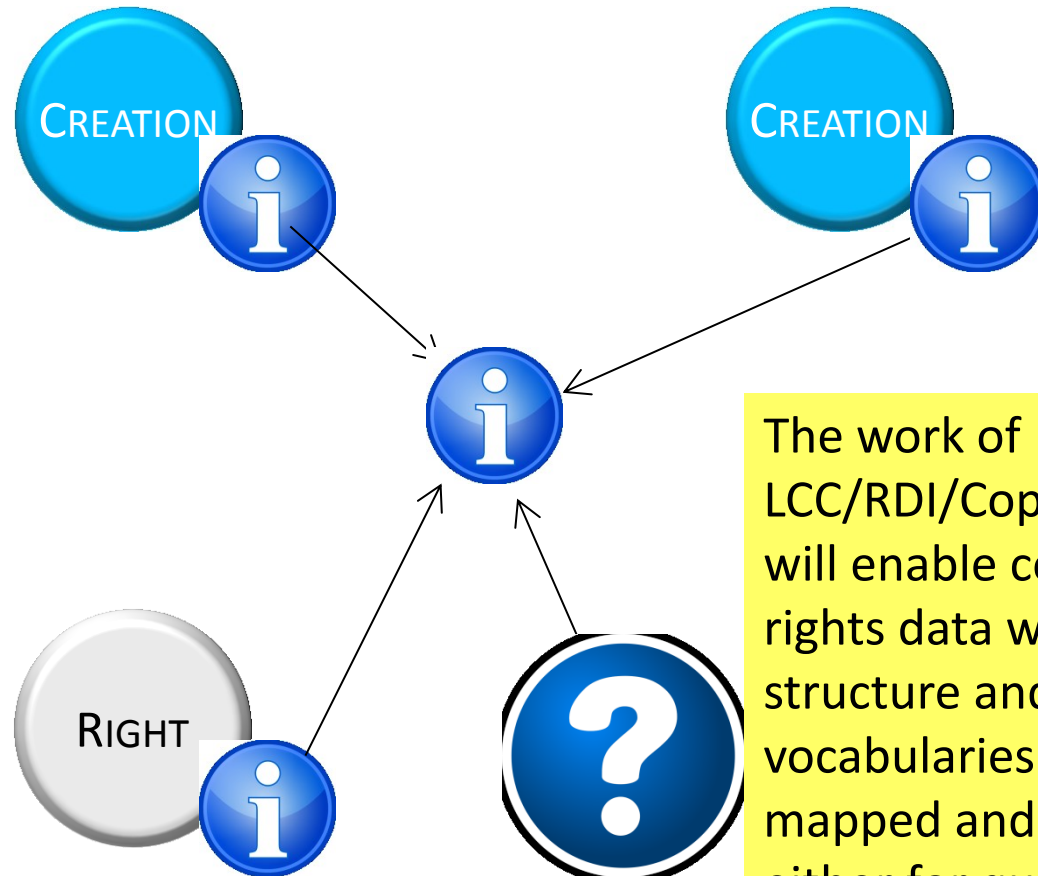
The work of LCC/RDI/Copyright Hub will enable content and rights data with any structure and controlled vocabularies to be mapped and integrated , either for querying or when dealing with results.

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