Reuse as Caching

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Chair Danish Bibliographic Committee

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Reuse as Caching

In a linked data model, libraries can describe manifestations by pointing to existing work descriptions, without having to duplicate those descriptions – copy-cataloguing is yesterdays workflow. But how will linked data model accommodate work metadata that will be expanded and improved after initial creation?

This presentation will describe a model for caching entities, allowing dynamic updating.

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Now: MARC silos

Next: BIBFRAME silos???

Next: BIBFRAME connected
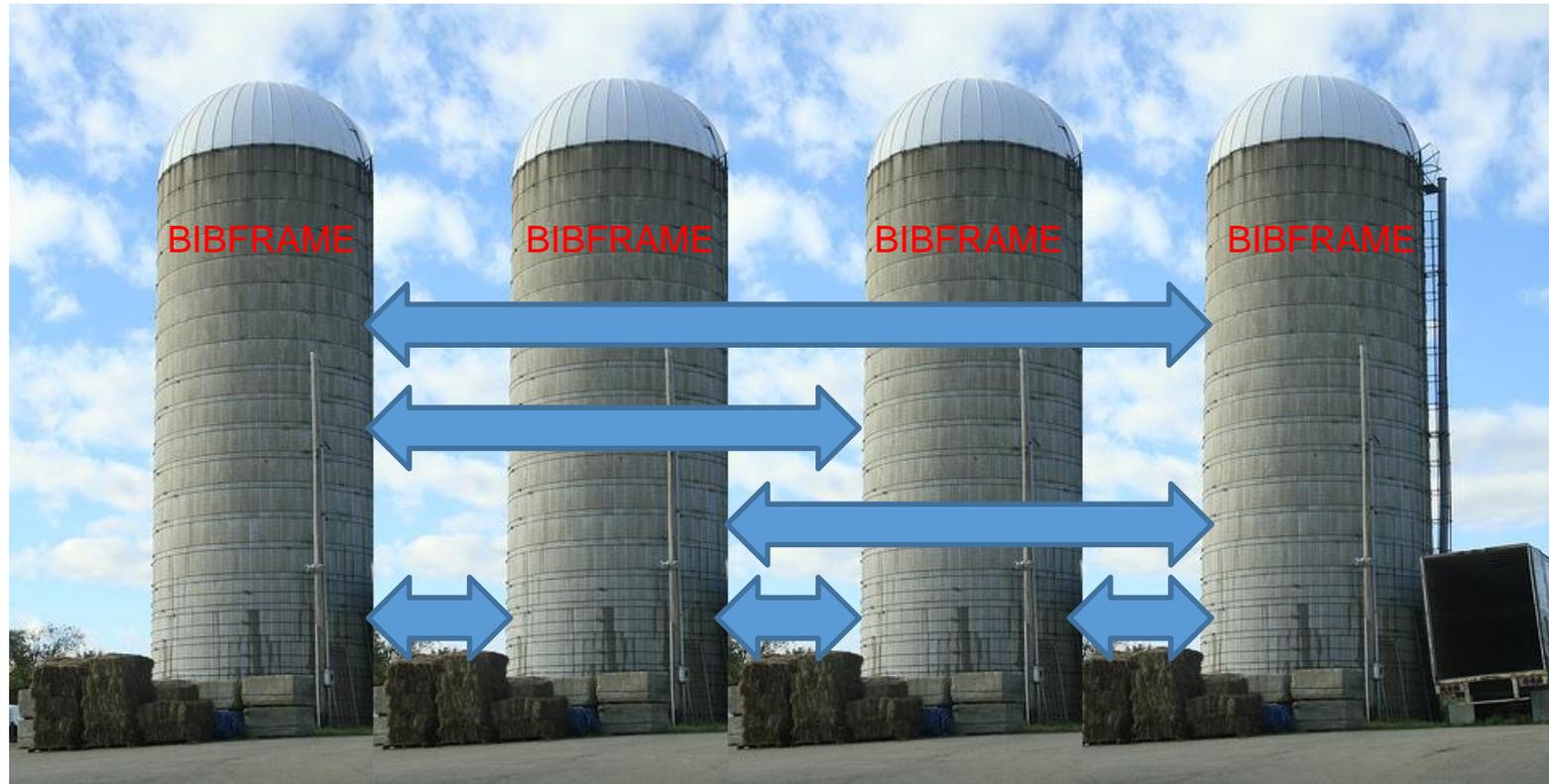
Jump to: how to handle search

— Look at the linked data model →

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Thanks to Susanne Thorborg for reuse of figurs
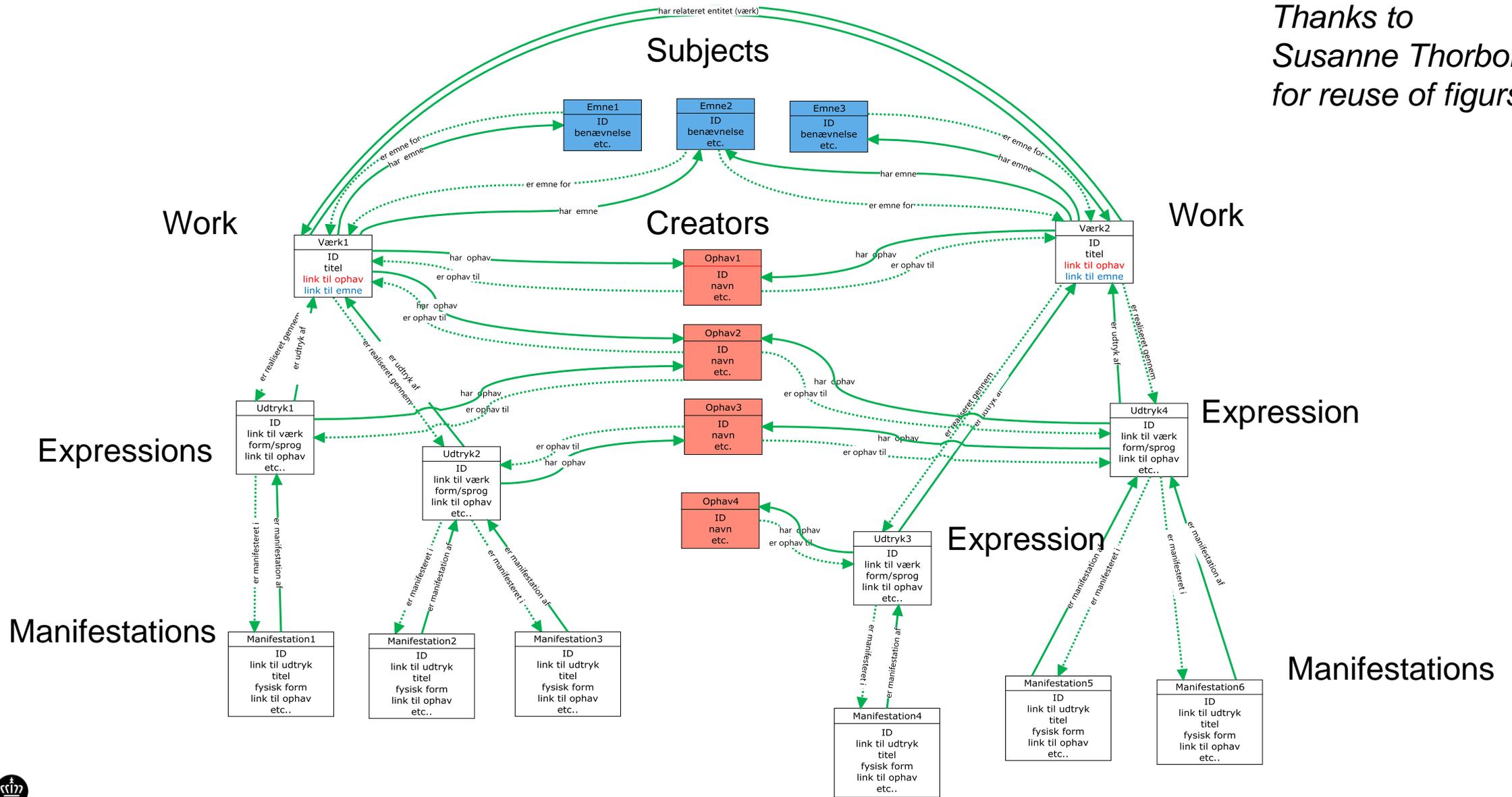
How to generate index for search ???

— For Manifestation
— For Expression
— For Work
— For Subject
— For Creator

Entities connected to expression
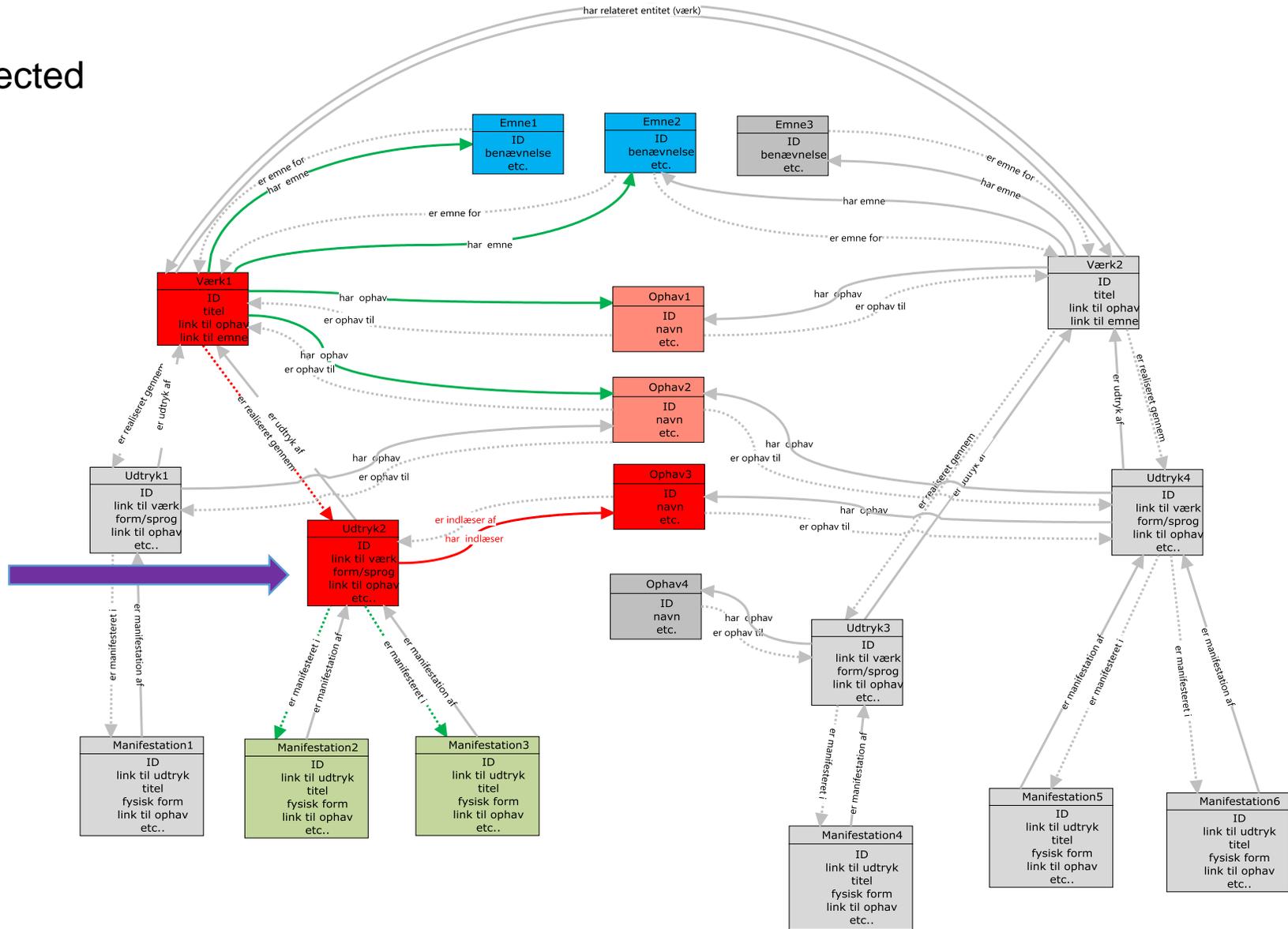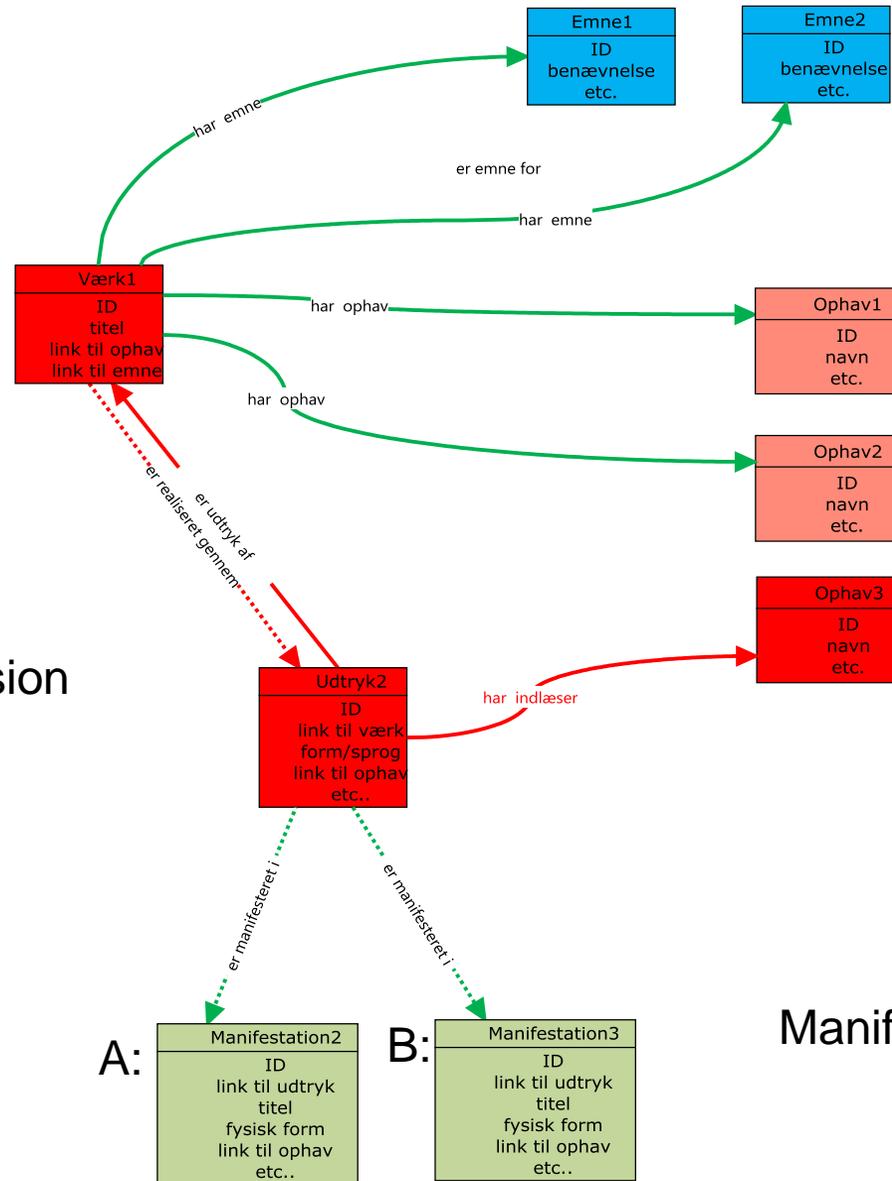
Two datasets for index and presentation

Ressource #A:

Manifestation **A**	Agent1
	Agent2
Expression2	Agent3
	Subject1
Work1	Subject2

Ressource #B:

Manifestation **B**	Agent1
	Agent2
Expression2	Agent3
	Subject1
Work1	Subject2

Jump to: local or local data

— Linking or caching ?→

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Emne1
ID
benævnelse
etc.

Emne2
ID
benævnelse
etc.

Subject
remote

har emne

er emne for

har emne

Work
remote

Værk1
ID
titel
link til ophav
link til emne

har ophav

Ophav1
ID
navn
etc.

har ophav

Ophav2
ID
navn
etc.

Agents remote:
Person /
Corporate Body

er realiseret gennem
er udtryk af

Ophav3
ID
navn
etc.

Agents local:
Person /
Corporate Body

Expression
local

Udtryk2
ID
link til værk
form/sprog
link til ophav
etc..

har indlæser

er manifesteret i

er manifesteret i

A:
Manifestation2
ID
link til udtryk
titel
fysisk form
link til ophav
etc..

B:
Manifestation3
ID
link til udtryk
titel
fysisk form
link til ophav
etc..

Manifestations
local

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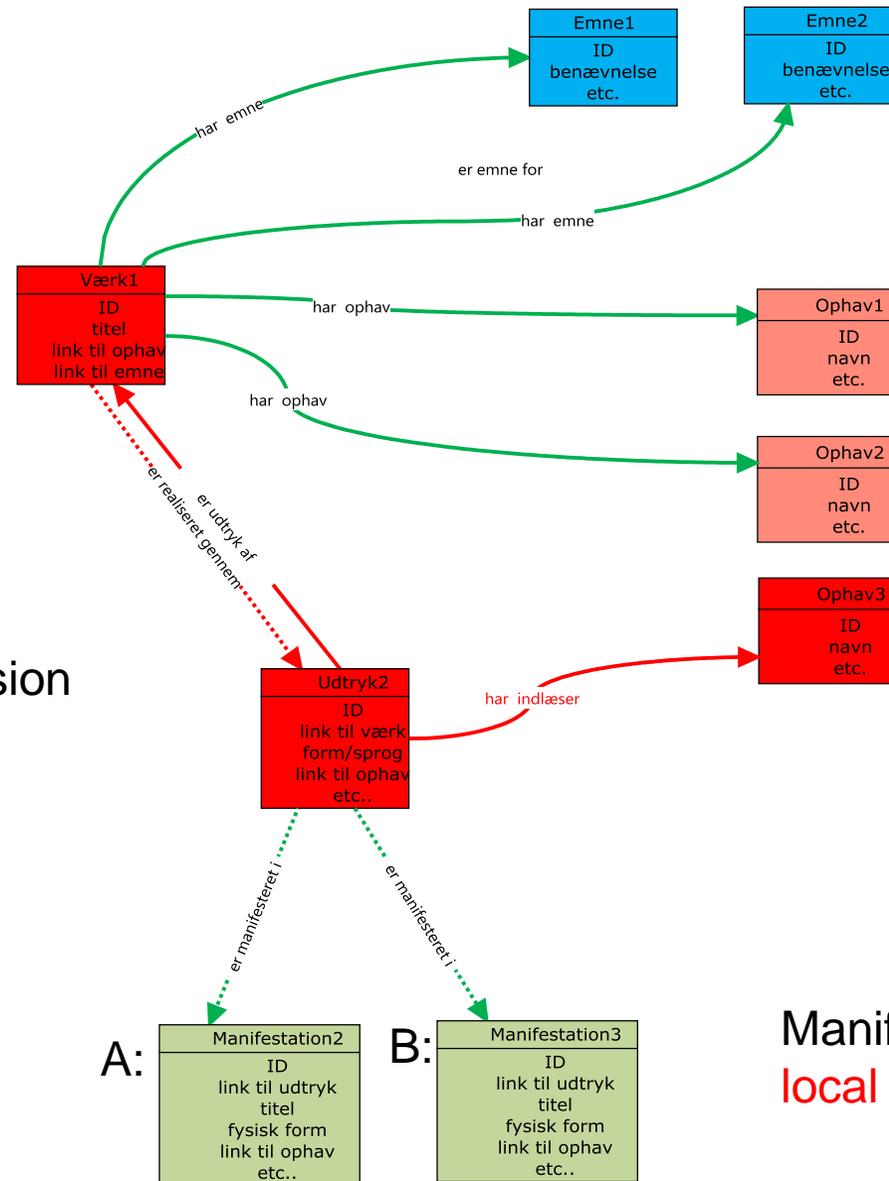
Sources of datasets for index and presentation: Local black, remote white

Ressource #A:

Ressource #B:

Manifestation A	Agent1
	Agent2
Expression2	Agent3
	Subject1
Work1	Subject2

Manifestation B	Agent1
	Agent2
Expression2	Agent3
	Subject1
Work1	Subject2

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Remote entities
No more copy cataloguing ➔ links

— So: *Link to remote entities*
— But:
— # search in remote entities: impossible
— # index remote data: complex
— # presentation of remote entities: not 100% accessible
— # linked data can disappear for weeks or forever

— Solution: **Cache remote entities**

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Cache remote entities – open issues

— Technologies?
— Standards?
— Copy to cache – how often?
— Legal issues?
— How to handle situation, where remote enties disappear?
— How to add new metadata / links to e.g. subjects in remote entities?

But: We have to do it – a need in the long run!

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