

Indexing German Audiovisual Heritage - SKOSification Made Easy

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- 1. Problem Statement & *mediaglobe* Project**
- 2. Why Do We Need (SKOSified) Controlled Vocabularies**
- 3. Update on the Current State of Controlled Vocabularies**
 - ☐ *vocabularies for AV-related content*
 - ☐ *results of a survey on usage of controlled vocabularies*
 - ☐ *why is there a problem?*
- 4. Solution: an Easy Webservice to Publish Vocabularies**
 - ☐ *how does it work?*
 - ☐ *recommended features*
 - ☐ *wireframe modell*

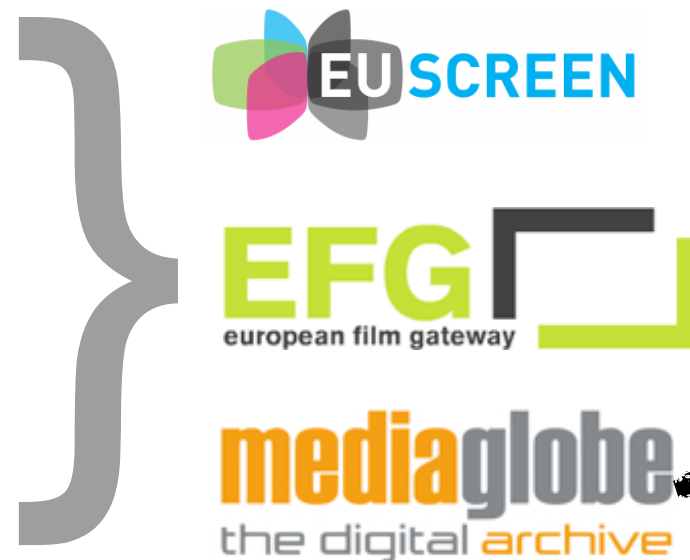
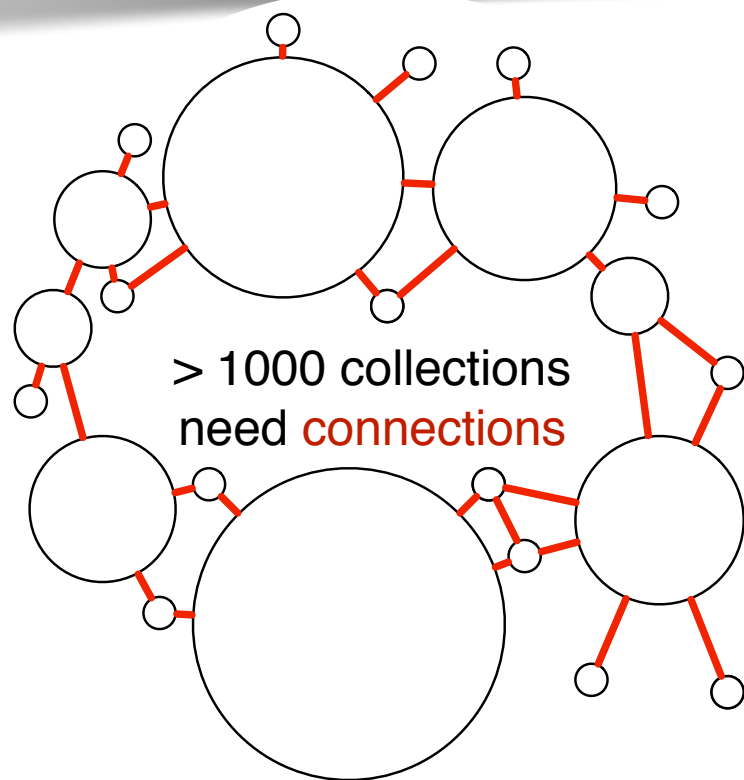
What's the Problem?

Cultural heritage taped on film (Germany)

- > 1.200 film collections*
- > 200 institutions with more than 100 h of film**
- ~ 83% of film archives plan to digitise their collections

Classification & Thesauri needed:

- ☐ **integrate** various collections
- ☐ **harness** semantic relations
- ☐ **align** content



Semantic glue

but...

Classifications and Thesauri

vocabularies missing

*) Bockhorn, V; Morsbach; Ronneburg, S; Schmidt, W. (1996). Topographie audiovisueller Quellenüberlieferung - Film- und Videobestände in Archiven und archivischen Einrichtungen in der Bundesrepublik Deutschland. Koblen

**) Mediaglobe, Deliverable-1.1 Report 2010.

***mediaglobe* - the Digital Archive**

**makes cultural heritage
accessible & tangible**

■ **augmenting workflows** in media-archives

- efficient multimedia-analysis
- (semi-)automated semantic indexing
- retrieval of AV-content

■ **covers**

- > 1.000h of AV-data (defa-spektrum Archive)
- newsreels, interviews, factual recordings, ...



The Need for Vocabularies

■ **AV-media** needs **descriptions**

- content topics
- types of broadcast
- genres
- ...

flower flowers food france friends fun garden geot
germany girl graffiti green halloween hawaii hiking holiday
honeymoon hongkong house india ireland island **italy** japan july
lake landscape light live **london** losangeles macro me mexico

tagclouds **VS** thesauri

■ **tags** are **not sufficient**...

- variant, ambiguous, flat
- => inconsistent, uncontrolled

■ **controlled vocabulary** *is suited* **due** to **term-relations**

TT Films

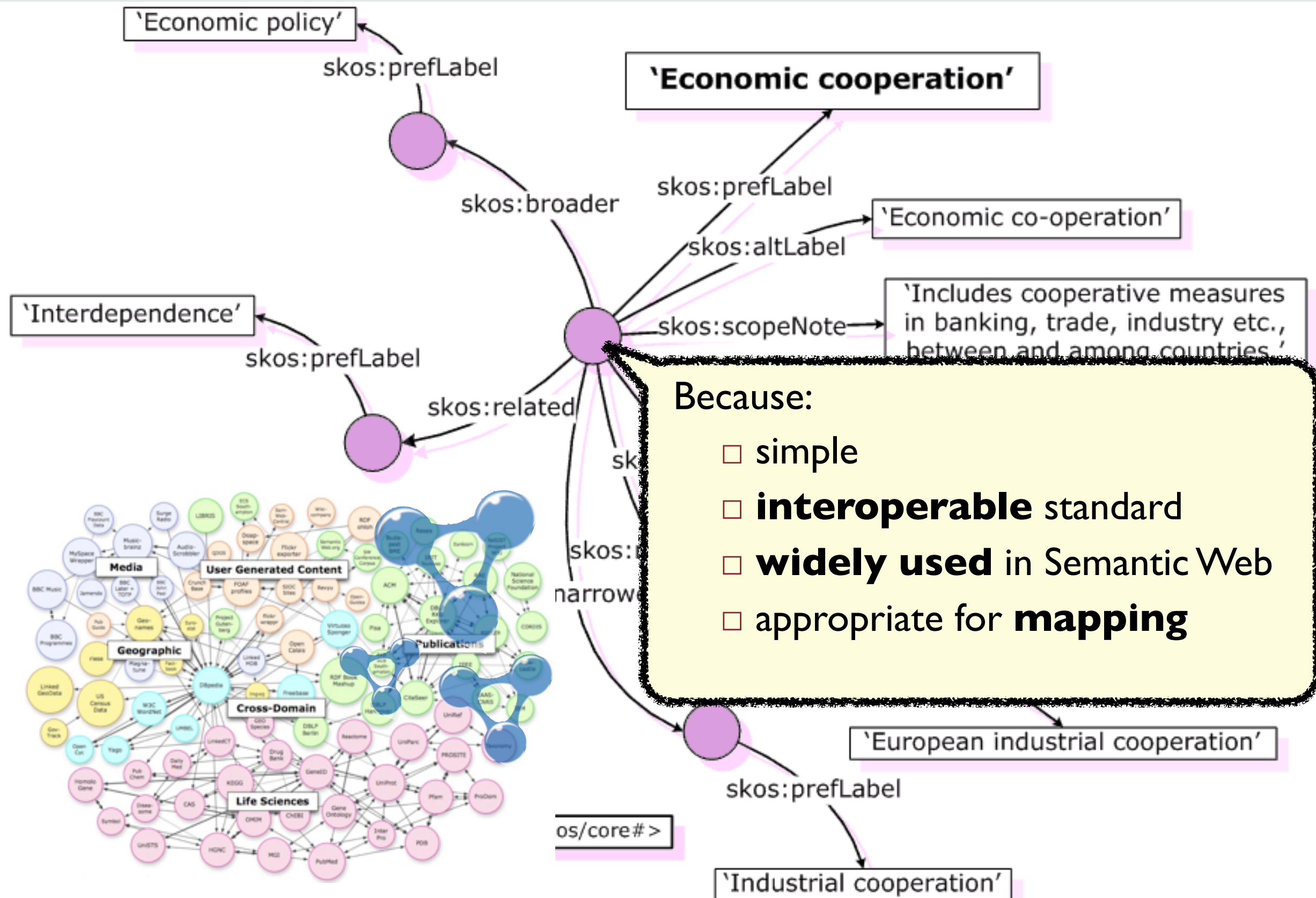
UF Motion picture
NT Nonfiction films
(...)

NT Documentary films

SN A heading used for ...
UF Documentaries, Motion picture
UF Factual films
UF Motion pictures documentaries
BT Nonfiction films
RT Actualities (Motion pictures)

2.2 Why Do We Need SKOS

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<http://www.w3.org/TR/2005/WD-swbp-skos-core-guide-20051102/>

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Backing Problem Statement

■ Catalogues

- <http://www.w3.org/2001/sw/wiki/SKOS/Datasets>
- <http://www.vocabularyserver.com>
- <http://www.taxonomywarehouse.com/>
- ...

■ Specialised search engines






■ Major associations



■ Results

- AV-related Vocabularies are mainly in english language.
- German broadcasters do NOT publish vocabularies !
- Many small and mid-sized archives have own *classifications*.
- **Low availability** of vocabularies (in german language).

	Name	SKOS
IPTC	Thesaurus International Press Telecommunication Council	x
TGM	Thesaurus for Graphic Materials (Library of Congress)	X
FIAF GSH	FIAF General Subject Headings	X
MIM	Moving Image Materials	X
LCGFT	Moving Image Genre-Form Headings (Library of Congress)	(X)
T-POL 	Thesaurus Politics of (former) GDR-Filmarchive (~12.000 Terms)	-
REM 	~6 co-existing thesauri of German broadcasting compound.	-
Small Archives 	>200 Collections with custom classification. Only a few use thesauri-terms of the public broadcasting compound.	-

■ **appropriate vocabularies** exist...



■ But we can not use them, because

- ☐ they are not encoded in RDF
- ☐ they are not published
- ☐ (some) are not up to date

some answers from
telephone interviews

"... our vocabulary needs review and revision first..."

"... ownership and copyrights not clear at the moment..."

"... we are **interested but** have **no resources**..."

Our Proposal



»**SKOSify existing vocabularies** (even more) **easily**

■ **Main requirements**

- simple ingest (example follows)
- download/publish an SKOS/RDF encoded vocabulary
- low learning curve (simple)
- no installation required

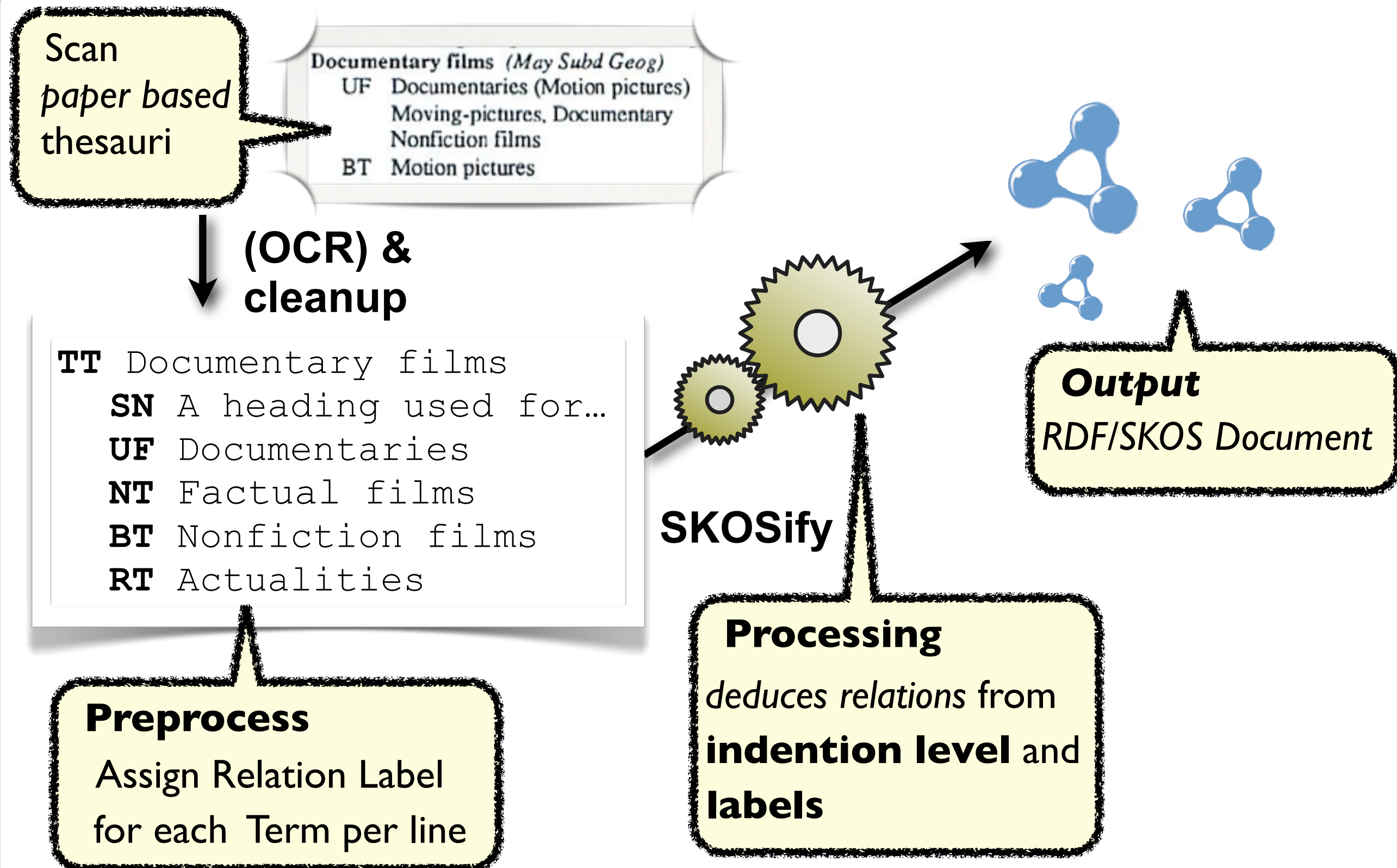
■ **Need more features?**

- indexing assistance & term search
- mapping & collaborative development
- management & visualisation



4.2) SKOSification - How Does it Work?

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quickSKOS

http://skosifier.org

Name your vocabulary.

thesaurus on films ?

< Input > ?

TT Film genre
NT Animated films
NT Documentary films
SN This is a heading used for ...
UF Documentaries, Motion picture
UF Factual films
UF Motion picture documentaries
BT Nonfiction films
RT Actualities (Motion pictures)
NT Filmed plays
...
TT Film storages

free of charge hosting of your vocabulary at skosifier.org ?

Do you need hosting? ?
☐ yes, please ☐ no, thanks

edit your namespace

http://www.example.com/yourNamespace/ ?

if hosting "no" selected, put in your own namespace

general information

... ?

such as scope, version and authors

Download as SKOS Publish at skosifier

Questions

Comments

Discussion

Thank You!

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http://www.hpi.uni-potsdam.de/meinel/forschung/future_internet/semantic_technologies.html

<http://www.projekt-mediaglobe.de/>