

Introduction

- The general problem of terminology
- Past and present
- DOCAM's terminology committee

Introduction

The general problem

- The nature of languages
- 🖗 Waltz, Markey, Panofsky
- Representation and management

Introduction The general problem

The nature of languages

- 🖗 Tool for human communication
- 🖗 Basic instrument for thinking
- 🖗 National, regional, artificial, slang, secret
- Organic : evolves over time
- 🖗 The need to manage all this
- Fings to think about :

Introduction The general problem

Waltz, Markey, Panofsky

- David Waltz : language is like a game of charades
 - We use a simplified version to represent the world, something like shorthand
 - But each world is like an indexing term, which refers to a much broader reality

Introduction The general problem

Introduction

The general problem

Waltz, Markey, Panofsky

managed

Waltz, Markey, Panofsky

Markey

- The Gombrich fallacy:
 - Final The message received is the same as the message transmitted (Markey 1981, 20)

And so on

The essential problem in information science: how to represent things so they can best be

🖗 Terminology, indexing, representation, communication, it's all semiotics

- For each person, any word can have particular meaning, for example:
 - 🖗 mother, dog, coriander, métro

Introduction The general problem

Waltz, Markey, Panofsky

Panofsky

- Another level of translation, of representation, the expression of a deeper reality:
 - 🖉 when a man lifts his hat upon greeting a lady, a social interaction is taking place



The general problem Representation and management

- With the information explosion (early 20th century) came the need to manage all this information
- This is done by representation: extract the essential reality, which then points to a much broader universe
- Tools that developed: cataloguing, indexing, classification



Past and present Cataloguing, indexing, classification The catalogue record represents the object at hand: In -18/ Odling ("Hilliam)

18%1. 140 pp

















Introduction Past&ed présent Thésauruses

Art, images

- Art & Architecture Thesaurus (Getty Research Institute, <http://www.getty.edu/research/ conducting_research/vocabularies/aat/>)
- Thesaurus for Graphic Materials (Library of Congress, <http://www.loc.gov/rr/print/tgm1/>)
- Thésaurus iconographique (France. Ministère de la Culture. Thésaurus iconographique : système descriptif des représentations / François Garnier et Véronique Labbé. Paris: Le Léopard d'or, 1984.)



Cuts, deterioration

- 🖗 In the 1990s, lots of budget cuts
- Many collections bought and sold
- This sometimes involves important changes (e.g. Corbis buying the Bettman Archive)
- Solution of the second state of the second s
- Deterioration of practices, cutting positions, cheaper but untrained personnel

Introduction Past and present

The new world of information

- Meanwhile, the World Wide Web arrives on the scene (November 1994)
- Suddenly, connectivity (online access to many collections)
- Anarchy reigns: each collection has its own cataloguing policy, indexing vocabulary



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Introduction Passé et présent The new world Web 2.0 Web services like YouTube, MySpace, flickr, del.icio.us, Facebook, blogs, and so on, have created a new environment This involves indexing (tagging) by users, uncontrolled vocabulary, multiple indexers Folksonomy : collaboratively creating and managing tags to annotate and categorise content (Wikipedia)

Introduction Passé et présent The new world

Interesting facts

- Inter-indexer consistency only reaches about 50%
- The huge mass of documentation available requires automated techniques, it's a question of economics
- Systems don't necessarily perform very well, but some of them are are no worse than what was there before



The DOCAM terminology committee

Why a new tool?

- Fools already exist for media art, variable media, unstable media
- So why create another one?
- Because of all these things we've looked at (synonyms, multiple meanings, semiotics, representation)



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Glossary

- Description
- Characteristics
- 🖗 Work to date
- 🖗 Structure
- Take [two]

Glossary

Description

- A tool for managing terminology
- By definition, only offers definitions (one or many) for terms
- Support DOCAM researchers, the professional community
- A complement to existing tools and projects



Glossary Characteristics

Bilingual

- French and English
- Finding sources in each language, not translating the definitions
- Transcreation: establish an equivalent in the other language, without translating necessarily



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sary

Work to date

- Search for existing tools
- Search for terminology
- 🖗 Studying data structures
- 🖗 Organising, coding the data
- Always some hesitation about the structure, because of interoperability concerns (thesaurus, ontology, systems elsewhere)





Glossary ■ Decision: database, or XHTML pages? ■ Old version: XHTML pages ■ New version: a database, using PHP ■ An important decision, because the glossary is the basis for the thesaurus



Thesaurus

Bil

- Bilingual = unilingual twice
- For many terms, no direct equivalent
- $\frac{1}{2}$ In this example, these equivalents (EP) don't exist in English

ingual		
	Chaise berçante	
que l'on p du corps	Note d'application : Chaise munie de patins courbes sut faire osciller d'avant en arrière par un mouvement	
	EP	Berçante Berçouse (chaise) Bergêre (chaise) Chaise à bascule Chaise berçour Chaise berçoir Chaise berçoir Chaise grand-mère
	TG	Chaise
	TS	Berçante à Brunswick Chaise berçante d'enfant Chaise berceuse à Brunswick
	TR	Siège à bascule
Notes: Lorsqu'une chaise berçante est utilisée comme élément d'une installation, elle peut aussi porter d'autres noms, lesquels on peut appliquer librement		
	TA	Rocking chair

Other aspects In general, parallel bilingual thesauruses only work well in specialised situations (e.g. medecine, sciences), otherwise they are messy This is for the same reason automatic translation doesn't work very well Different contexts, different cultures, different realities -- there isn't necessarily an exact equivalent







Thesaurus

Thesaurus Bilingual

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Intellectual work

- As with building an index, building a thesaurus is an intellectual task
- 🖗 Humans need to do this work, at least for the moment
- There is lots of work going on, but computers can't yet determine relationships very well

Thesaurus

Partnering

- Insofar as it's possible, we'd like to avoid reinventing the wheel
- The need to study existing thesauruses and develop partnerships
- Some work with V2, Institute for Unstable Media, Rotterdam (<http://www.v2.nl/>)
- Their thesaurus: >V2_Archive

Thesaurus Partnering

Other possibilities

- Rhizome (<http://rhizome.org>) >Archives >TextBase (or >ArtBase to get artists' names)
- National Library of Australia, Preserving Access to Digital Information (PADI, < http:// www.nla.gov.au/padi/>) >Browse Topics
- Of course, there are limits to the type of collaboration
- Furthermore, nobody else is using SKOS yet

Ontology?

- 🖗 A nice dream, we'll see how we do
- If we get that far, the glossary and thesaurus will certainly contribute
- ✤ Maybe a structure like V2, PADI
- Perhaps a longterm project for DOCAM, the FDL, or...

Some thoughts

- 🖗 User needs vary greatly
- It's intellectual work, but ultimately, all tools for organising knowledge need to be practical
- Our goal: offer tools that will help users find their way in the sea of available terminology
- Artists, curators, researchers, preservationists can use the tools as they see fit

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That's it

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