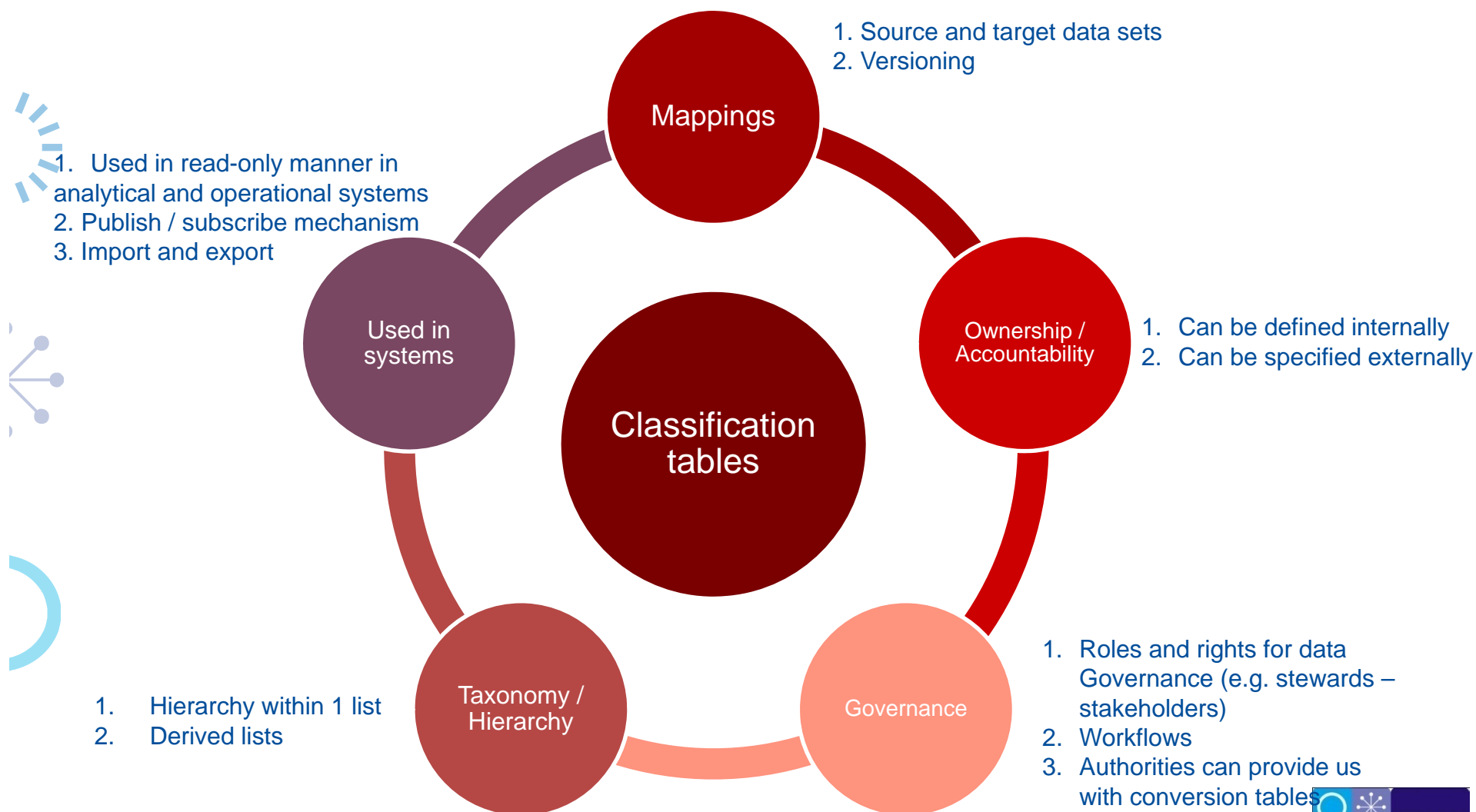




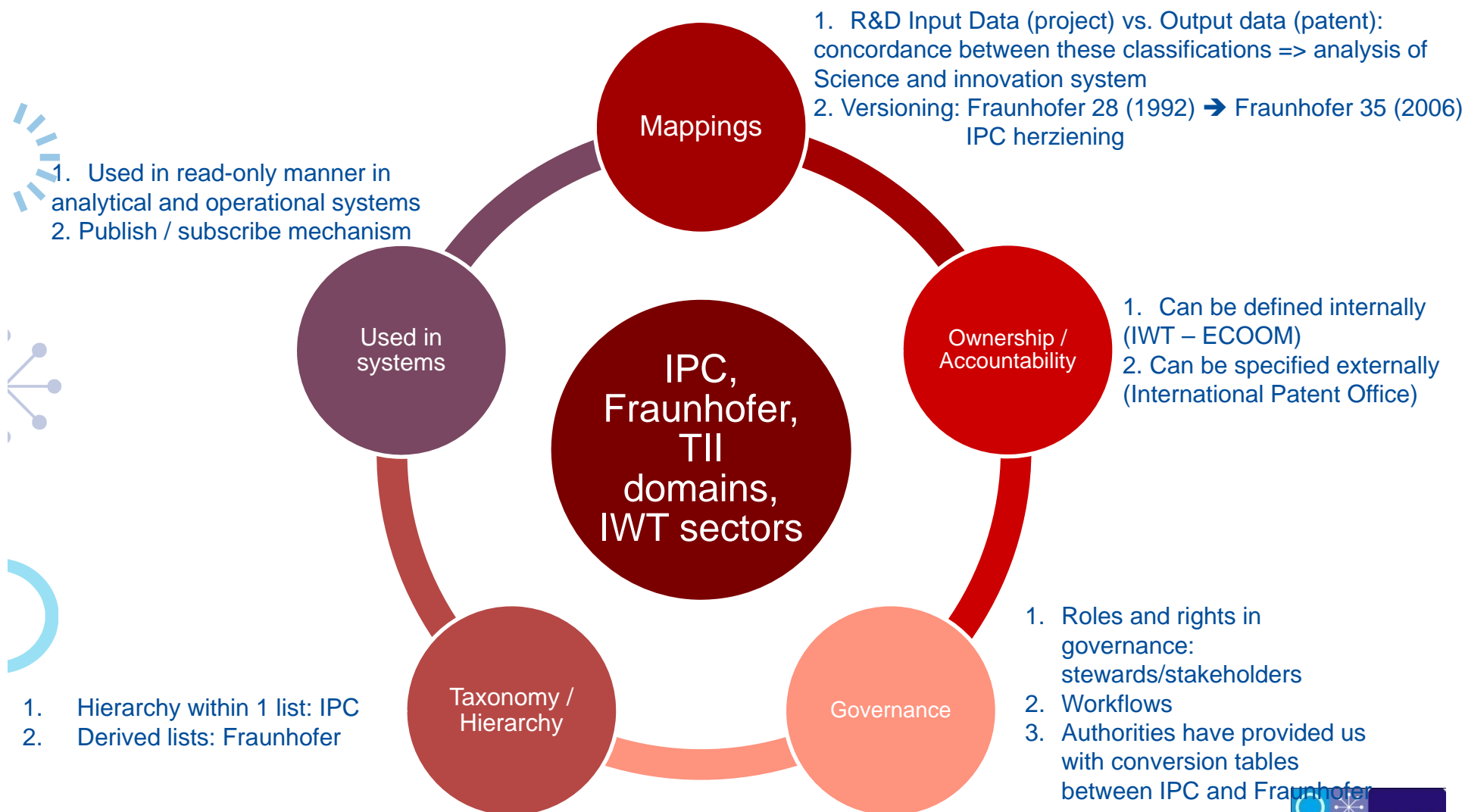
Semantics in Data Governance of Technology Classifications

EWI Focus - Gebruik van classificaties voor O&O-monitoring

The Challenges of Data Governance: Classification Tables

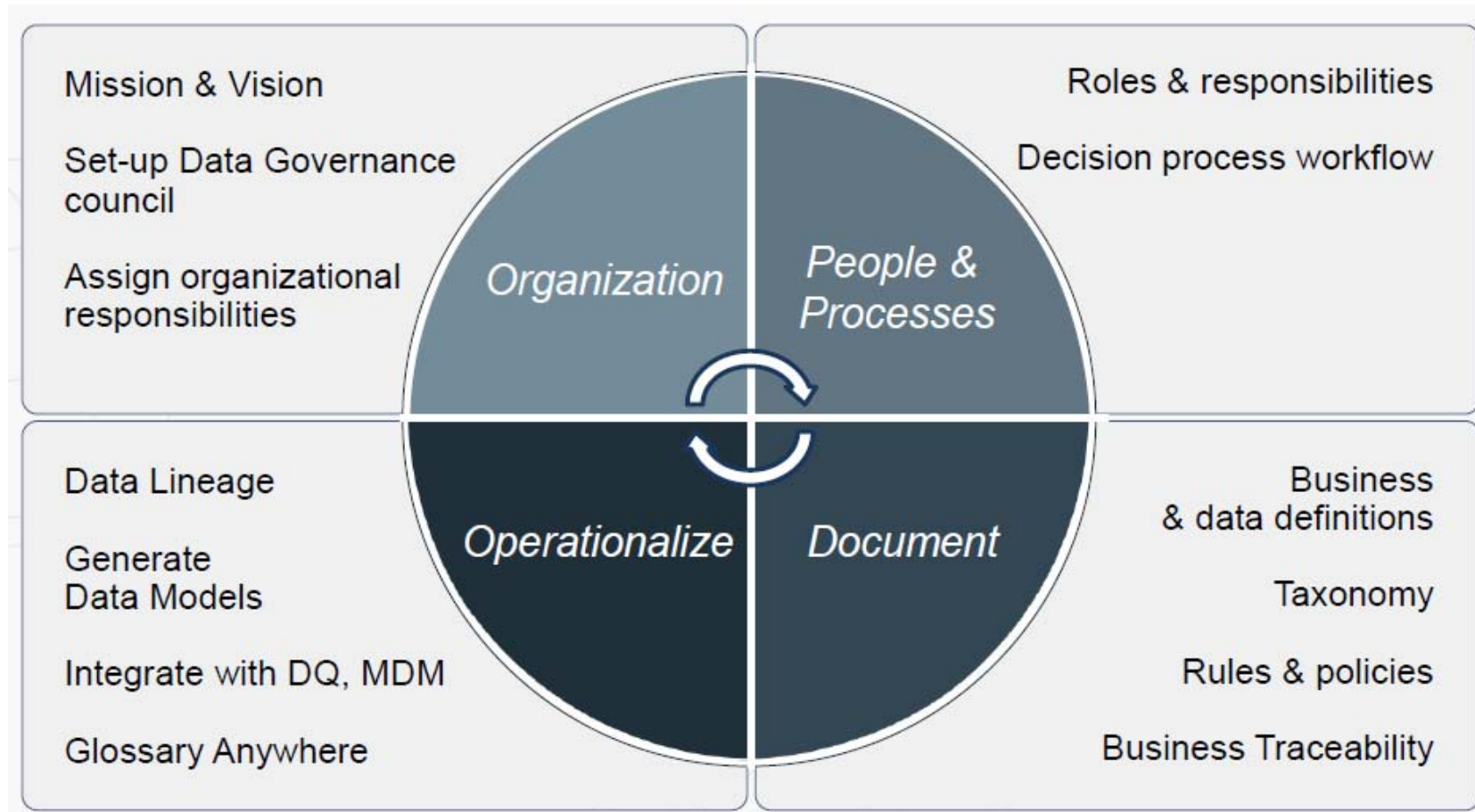


The Challenges of Data Governance: Technology Classification Tables



Semantics in Data Governance

Four components of Semantics in Data Governance



Business Semantics Glossary (Collibra)

Login (.Login) - Collibra Business Semantics Glossary

http://customer01.collibra.com/ewi/bin/login/XWiki/XWikiLogin

Collibra Business Semantics Glossary

Dashboard Sign In Register

Sign In

Username

Password

☐ Remember Me **Sign In**

Did you forget your username or password?

No account yet?

Register

Business Semantics Glossary 3.2.8 (5/2/11) - Copyright Collibra 2012

Business Case: Optics

H1							
	A	B	C	D	E	F	G
1	IPC_code	IPC	Fhg30_nr	Fraunhofer 30	Fhg19_nr	Fraunhofer 19	IWT sector
621	G02B	Optical elements, systems, or apparatus	6	Optics	8	Optics	Optics
622	G02C	Spectacles; Sunglasses or goggles insofar as they have the same feature as spectacles; contact lenses	6	Optics	8	Optics	Optics
623	G02F	Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the Intensity, colour, phase, polarisation or direction of light	6	Optics	5	Computers, Office Machinery (including data processing systems or methods)	Information technology application fields
624	G02F		6	Optics	5	Computers, Office Machinery (including data processing systems or methods)	Optics
625	G03B	Apparatus or arrangements for taking photographs or for projecting or viewing them; Apparatus or arrangements employing analogous techniques using waves other than optical waves	6	Optics	8	Optics	Optics
626	G03C	Photosensitive materials for photographic purposes; Photographic processes, e.g. cine, x-ray, colour, stereo-photographic processes; Apparatus for processing exposed photographic materials; Accessories therefor	6	Optics	9	Basic chemicals, paints, soaps, petroleum products (including combinatorial chemistry)	Optics
627	G03D		6	Optics	8	Optics	Optics
628	G03F	Photomechanical production of textured or patterned surfaces, e.g. for printing, for processing of semiconductor devices; Materials therefor; Originals therefor; Apparatus specially adapted therefor	6	Optics	8	Optics	Optics
629	G03G	Electrography; Electrophotography; Magnetography	6	Optics	5	Computers, Office Machinery (including data processing systems or methods)	Optics
630	G03H	Holographic processes or apparatus	6	Optics	4	Audio-visual electronics	Optics
703	H01S	Devices using stimulated emission	6	Optics	3	Telecommunications	



Semantic community: identical concepts, different terms

Speech community:
identical concepts,
identical terms

VOC:
logical
domain

VOC:
logical
domain

Speech community:
identical concepts,
identical terms

VOC:
logical
domain

VOC:
logical
domain

1. Organisation

How to Organise Technology Community? Semantic community

The screenshot displays the Collibra Business Semantics Glossary interface. The top navigation bar includes 'Administrator', 'Dashboard', 'Glossary', and 'Settings'. The 'Navigator' sidebar on the left shows a tree structure with 'Technology' selected. The main content area displays 'Technology Semantic Community' with a 'Go To Page' link. Below this, there are sections for 'Subcommunities' (showing 'There are no subcommunities.'), 'Actions' (with a list of 'Delete' links), 'Roles' (listing 'Admin', 'Steward', and 'Normal' roles with associated users), 'Term Attributes' (showing 'There are no extra attributes defined for the terms.'), and 'Import' and 'Configure Community Policies' buttons. Three red arrows point to the 'Technology' link in the sidebar, the 'Go To Page' link, and the 'Subcommunities' section.

1. Organisation

How to Organise Technology Community? Speech Community

The screenshot displays the Collibra Business Semantics Glossary interface. At the top, the Collibra logo and 'Business Semantics Glossary' text are visible. The user is logged in as 'Administrator'. The main navigation bar includes 'Dashboard', 'Glossary', and 'Settings'. A search bar is present on the right. The left sidebar shows a 'Navigator' with 'Roles', 'Statistics', 'Tasks', 'Tools', and 'Workflows'. The main content area is titled 'Technology' with a URI of 'Technology'. Below this, there is a section for 'Speech Communities' and a 'Subcommunities' section. A modal window titled 'Add a Speech Community' is open, showing a 'Name' input field and a 'Create' button. A red arrow points to the 'Create' button. The 'Speech Communities' table lists several communities, all created by 'Administrator'. The 'Subcommunities' section indicates there are no subcommunities. The right sidebar contains sections for 'Actions', 'Roles' (with users Donald Carchon and Pascale Dengis), 'Term Attributes', 'Import', and 'Configure Community Policies'.

Name	Creator	Actions
Fraunhofer 19	Administrator	Delete
Fraunhofer 30	Administrator	Delete
Fraunhofer 35	Administrator	Delete
Fraunhofer 5	Administrator	Delete
International Patent Classification	Administrator	Delete
IWT - ECOOM sector	Administrator	Delete
Technology Domain	Administrator	Delete

There are no subcommunities.

1. Organisation

How to Organise Technology Community? Vocabulary

The screenshot displays the Collibra Business Semantics Glossary interface. The top navigation bar includes the Collibra logo, the title 'Business Semantics Glossary', and user roles: Administrator, Dashboard, Glossary, and Settings. A search bar is located on the right. Below the navigation bar, a 'Navigator' section shows the current path: 'Fraunhofer 19' > 'Functional Fraunhofer 19'. The main content area is titled 'Terms' and shows a list of 19 entries, each with a checkbox and a term name. The entries are: Audio-visual electronics, Basic chemicals, paints, soaps, petroleum products, Computers, office machinery, Electrical machinery, apparatus, energy, Electronic components, Energy machinery, General machinery, Machine-tools, Measurement, control, Medical equipment, Metal products, Non-polymer materials, Optics, Pharmaceuticals, and Polymers, rubber, man-made fibres. On the right side, there are several panels: 'Information', 'Actions' (with links: Edit Vocabulary Description, Move Vocabulary, Delete Vocabulary), 'Import' (with options to attach a file or extract terms from definitions), 'Export', and 'Advanced actions' (with a dropdown menu showing 'Fraunhofer 19 Code' and an 'Incorporate' button). A red arrow points to the 'Incorporate' button.

Collibra Business Semantics Glossary

Administrator

Dashboard | Glossary | Settings

Search...

Navigator

Roles | Statistics | Tasks | Tools | Workflows

Fraunhofer 19 /
Technology Areas > Functional Fraunhofer 19
URI [http://customer01.collibra.com/ewi/bin/view/Fraunhofer 19/](http://customer01.collibra.com/ewi/bin/view/Fraunhofer%2019/)

Terms Show binary fact type overview Visualize

Show 50

Filter Add Actions Export Show / hide columns

Showing 1 to 19 of 19 entries

<input type="checkbox"/> Term
<input type="checkbox"/> Audio-visual electronics
<input type="checkbox"/> Basic chemicals, paints, soaps, petroleum products
<input type="checkbox"/> Computers, office machinery
<input type="checkbox"/> Electrical machinery, apparatus, energy
<input type="checkbox"/> Electronic components
<input type="checkbox"/> Energy machinery
<input type="checkbox"/> General machinery
<input type="checkbox"/> Machine-tools
<input type="checkbox"/> Measurement, control
<input type="checkbox"/> Medical equipment
<input type="checkbox"/> Metal products
<input type="checkbox"/> Non-polymer materials
<input type="checkbox"/> Optics
<input type="checkbox"/> Pharmaceuticals
<input type="checkbox"/> Polymers, rubber, man-made fibres

Information

Actions

[Edit Vocabulary Description](#)
[Move Vocabulary](#)
[Delete Vocabulary](#)

Import

Attach a file to this document to add it to this list.

XLS Extract terms from Fraunhofer19technologiedes.xls.

Extract terms from this vocabulary's definitions.

Export

Advanced actions


[Close Incorporation](#)

Vocabulary
Fraunhofer 19 Code

Incorporate

2. Document

Document: Terms and Definitions

 **Fraunhofer 35**
Technology Areas > Functional Fraunhofer 35
URI <http://customer01.collibra.com/ewl/bin/view/Fraunhofer35/>

Terms

Show binary fact type overview Visualize

Show 50

Filter Add Actions Export Show / hide columns

Showing 1 to 35 of 35 entries

Term	Definition	Steward
<input type="checkbox"/> Measurement	This field covers a broad variety of different techniques and applications. It would be possible to differentiate special sub-fields such as measuring of mechanical properties (length, oscillation, speed ...), but these sub-fields are generally too small.	
<input type="checkbox"/> Mechanical elements	The field covers fluid-circuit elements, joints, shafts, couplings, valves, pipe-line systems or mechanical control devices. The focus is on engineering elements of machines such as joints or couplings.	
<input type="checkbox"/> Medical technology	Medical technology is generally associated with high technology. However, a large part of the class A61 refers to less sophisticated products and technologies such as operating tables, massage devices, bandages etc. These less complex sub-fields represent a large number of patent applications, and the total field is the second largest of the suggested classification with 6.3 percent of all applications in 2005.	
<input type="checkbox"/> Micro-structure and nano-technology	This field covers micro-structural devices or systems, including at least one essential element or formation characterised by its very small size. It includes nano-structures having specialised features directly related to their size.	
<input type="checkbox"/> Optics	This field covers all parts of traditional optical elements and apparatus, but also laser beam sources. In recent years new optical technologies such as optical switching have become more relevant.	Kris Maison (mail)
<input type="checkbox"/> Organic fine chemistry	Without further limitations, the applications in organic chemistry primarily refer to pharmaceuticals. More than 40 percent of the applications have an additional code in pharmaceuticals. As such a large overlap of fields is less appropriate for a classification system, all documents with co-classification in A61K were excluded. The major exception is the group A61K-008, which refers to cosmetics	
<input type="checkbox"/> Other consumer goods	This field primarily represents less research-intensive sub-fields.	
<input type="checkbox"/> Other special machines	See Machine tools.	
<input type="checkbox"/> Pharmaceuticals	This field refers to an area of application, not a technology. However, the key sub-class A61K is primarily organized by technologies (e.g., medicinal preparations containing inorganic active ingredients ...). Cosmetics are excluded from the field, there represent about 10 percent of all	

Showing 1 to 35 of 35 entries

Incorporated Vocabularies
Incorporated Vocabulary
[Fraunhofer 19 Terms](#)
[Fraunhofer 35 Codes](#)

Incorporate Vocabulary


Actions
[Disincorporate](#)
[Disincorporate](#)

Information

Actions
[Edit Vocabulary Description](#)
[Move Vocabulary](#)
[Delete Vocabulary](#)

Roles

Admin [edit](#)

 Donald Carchon
[Mail Donald Carchon](#)

Steward [edit](#)

There are no users assigned to this role.

Normal [edit](#)

There are no users assigned to this role.

Normal (Speech Community) [edit](#)


There are no users assigned to this role.


Normal (Semantic Community) [edit](#)

There are no users assigned to this role.

Import

[Attach a file to this document to add it to this list.](#)

 Extract terms from [Fraunhofer35technologico des.xls](#).

 Extract terms from this vocabulary's definitions.

Export

2. Document

Document: Terms and Definitions

The screenshot displays a web application interface for managing document terms and definitions. The top navigation bar includes a 'Navigator' tab, a search bar, and tabs for 'Roles', 'Tasks', 'Tools', and 'Workflows'. The main header shows the document title 'Optics' with a red arrow pointing to it, followed by the breadcrumb 'Technology Areas > Functional Fraunhofer 35 > Fraunhofer 35' and a URI. Below the header are tabs for 'Attributes', 'Categorize', and 'Names'. The main content area is divided into several sections, each with a red arrow pointing to it:

- Definitions:** A text box containing the definition: 'This field covers all parts of traditional optical elements and apparatus, but also laser beam sources. In recent years new optical technologies such as optical switching have become more relevant.' A red arrow points from this section to the 'Information' panel on the right.
- Governance:** A text box containing 'Non-Influenceable'.
- Object Type Specialisation:** A text box containing 'Fraunhofer 35 Functional Term Type'.
- Source:** A text box containing 'WIPO IPC-Technology Concordance Table'.
- Fact Types:** A list of fact types with their candidates and icons:
 - Optics results in Spectacles; Sunglasses or Goggles insofar as they have the same feature as spectacles; Contact Lenses (Candidate)
 - Optics specialises in Optics (Candidate)
 - Optics is encoded as 9 (Candidate)
- General Rule Set:** A text box containing 'Optics is encoded as exactly 1 9.'

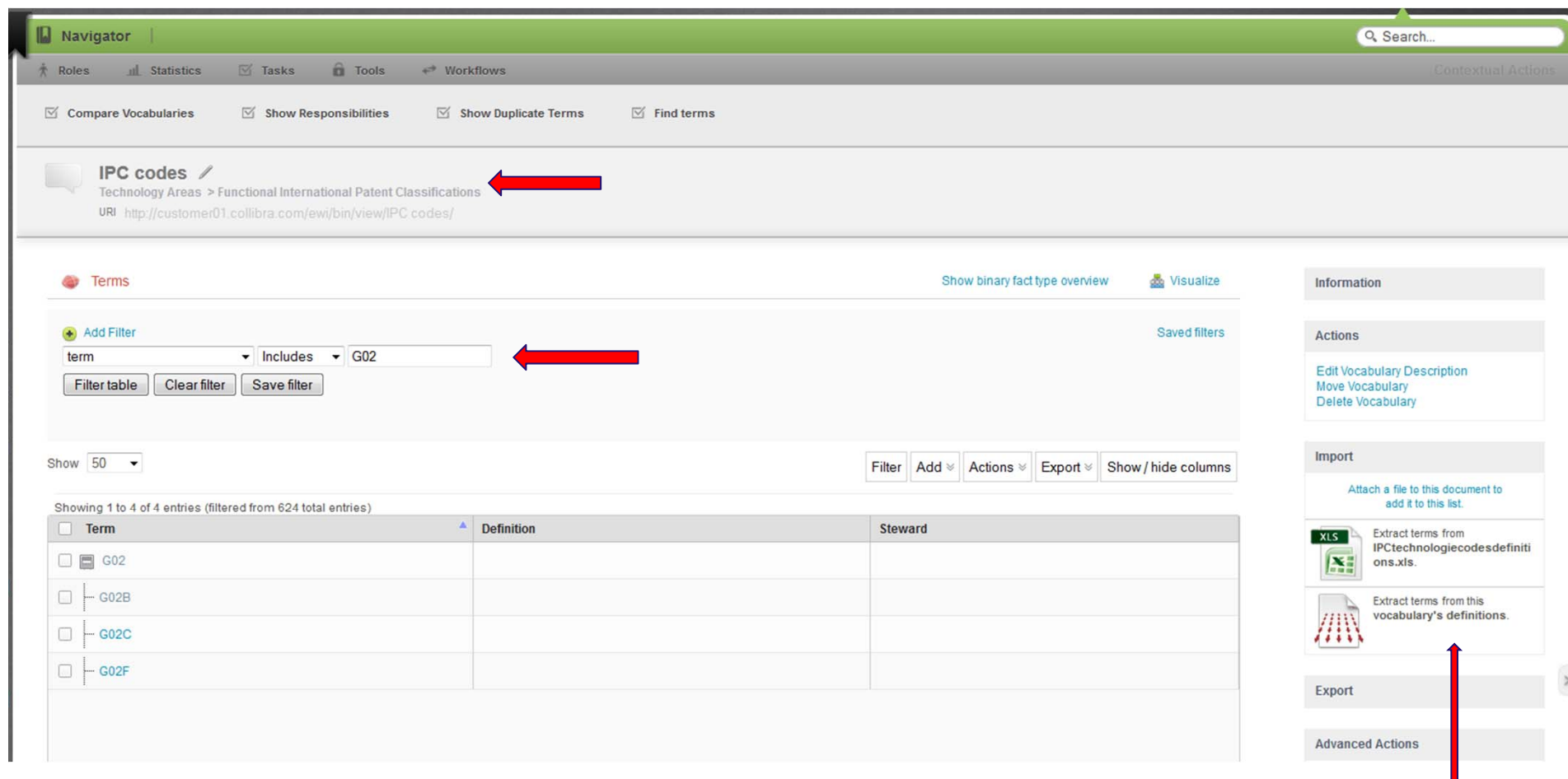
On the right side, there are several panels:

- Information:** Displays 'Status: Under Review' and 'Concept Type: Object Type'. Below this is a large '0 % articulated' indicator.
- Attributes:** A dropdown menu labeled 'Select an attribute...' and an 'Add Attribute' button.
- Add Relation:** Two buttons: 'Add Fact Type' and 'Add Characteristic'.
- Roles:** A list of roles with their names and email addresses:
 - Admin:** Leen Van Campe (Mail Leen Van Campe)
 - Steward:** Kris Maison (Mail Kris Maison)

Red arrows indicate the flow of information and actions: from the 'Definitions' section to the 'Information' panel, and from the 'Roles' panel to the 'Add Relation' panel.

2. Document


Document: Codes within Hierarchy



Navigator | Search...

Roles Statistics Tasks Tools Workflows Contextual Actions

☒ Compare Vocabularies ☒ Show Responsibilities ☒ Show Duplicate Terms ☒ Find terms

IPC codes 
Technology Areas > Functional International Patent Classifications
URI <http://customer01.colibra.com/ewi/bin/view/IPC codes/>

Terms [Show binary fact type overview](#) [Visualize](#)

[Add Filter](#) [Saved filters](#)

term Includes G02
[Filter table](#) [Clear filter](#) [Save filter](#)

Show 50 [Filter](#) [Add](#) [Actions](#) [Export](#) [Show / hide columns](#)

Showing 1 to 4 of 4 entries (filtered from 624 total entries)

<input type="checkbox"/> Term	Definition	Steward
<input type="checkbox"/> G02		
<input type="checkbox"/> G02B		
<input type="checkbox"/> G02C		
<input type="checkbox"/> G02F		


Information


Actions

[Edit Vocabulary Description](#)
[Move Vocabulary](#)
[Delete Vocabulary](#)

Import

[Attach a file to this document to add it to this list.](#)

 Extract terms from IPCTechnologiecodesdefinitions.xls.

 Extract terms from this vocabulary's definitions.

Export

Advanced Actions

2. Document

Document: Relation between Term and Code

The screenshot displays the Collibra Business Semantics Glossary interface. The top navigation bar includes the Collibra logo, the title 'Business Semantics Glossary', and user roles 'Administrator', 'Dashboard', 'Glossary', and 'Settings'. A search bar is located on the right. Below the navigation bar, a 'Navigator' section shows a breadcrumb trail: 'Technology Areas > Functional International Patent Classifications > IPC'. The main content area is titled 'Optics' and shows a URI: 'http://customer01.collibra.com/ewi/bin/view/IPC/a062fabcd-9d71-49d4-acd4-754aeca75dc1'. The interface is divided into several sections: 'Fact Types' (showing 'Optics is encoded as G02'), 'Derived Fact Types' (showing 'Optics is encoded as G02C', 'Optics is encoded as G02F', and 'Optics is encoded as G02B'), 'Information' (showing 'Status: Reviewed' and 'Concept Type: Object Type'), 'Attributes' (with a dropdown 'Select an attribute...' and an 'Add Attribute' button), 'Add Relation' (with 'Add Fact Type' and 'Add Characteristic' buttons), and 'Roles' (showing 'Admin' with an 'edit' link).

Collibra Business Semantics Glossary

Administrator

Dashboard Glossary Settings

Search...

Navigator

Roles Tasks Tools Workflows

Contextual Actions

Optics

Technology Areas > Functional International Patent Classifications > IPC

URI <http://customer01.collibra.com/ewi/bin/view/IPC/a062fabcd-9d71-49d4-acd4-754aeca75dc1>

Attributes Categorize Names

Fact Types

- Optics is encoded as **G02** (Candidate)

Derived Fact Types

- Optics is encoded as **G02C**
- Optics is encoded as **G02F**
- Optics is encoded as **G02B**

Information

Status: **Reviewed**

Concept Type: **Object Type**

0 % articulated

Attributes

Select an attribute...

Add Attribute

Add Relation

- Add Fact Type
- Add Characteristic

Roles

Admin edit

Document: Categorisation of Terms

WIPO IP SERVICES International Patent Classification (IPC) Official Publication

WORLD INTELLECTUAL PROPERTY ORGANIZATION

IPC Home Page - Help

Version: 2012.01

Current symbol: G02C

Go to

Language: English, French, English/French

View mode: path, full, hierarchic

Standardized sequence, Deleted entries, Subclass indexes, Guidance Headings, Notes

Search: Terms, Cross-references

Assistance: Text categorization (IPCCAT)

Scheme RCL Compilation Catchwords

G

SECTION G — PHYSICS

INSTRUMENTS

Note(s)

- In this section, the following term is used with the meaning indicated:
 - "variable" (as a noun) means a **feature** or property (e.g., a dimension, a physical condition such as temperature, a quality such as density or colour) which, in respect of a particular entity (e.g., an object, a quantity of a substance, a beam of light) and at a particular instant, is capable of being measured; the **variable** may change, so that its numerical expression may assume different **values** at different times, in different conditions or in individual cases, but may be constant in respect of a particular entity in certain conditions or for practical purposes (e.g., the length of a bar may be regarded as constant for many purposes).
- Attention is drawn to the definitions of terms or expressions used, appearing in the notes of several of the classes in this section, in particular those of "measuring" in class **G01** and "control" and "regulation" in class **G05**.
- Classification in this section may present more difficulty than in other sections, because the distinction between different fields of **use** rests to a considerable extent on differences in the intention of the user rather than on any constructional differences or differences in the manner of **use**, and because the subjects dealt with are often in effect systems or combinations, which have **features** or parts in common, rather than "things", which are readily distinguishable as a whole. For example, information (e.g., a set of figures) may be displayed for the purpose of education or advertising (**G09**), for enabling the result of a measurement to be known (**G01**), for signalling the information to a distant point or for giving information which has been signalled from a distant point (**G08**). The words used to describe the purpose depend on **features** that may be irrelevant to the form of the **apparatus** concerned, for example, such **features** as the desired effect on the person who sees the display, or whether the display is controlled from a remote point. Again, a device which responds to some change in a condition, e.g., in the pressure of a **fluid**, may be used, without modification of the device itself, to give information about the pressure (**G01L**) or about some other condition linked to the pressure (another subclass of class **G01**, e.g., **G01K** for temperature), to make a record of the pressure or of its occurrence (**G07C**), to give an alarm (**G08B**), or to **control** another **apparatus** (**G05**). The classification scheme is intended to enable things of a similar nature (as indicated above) to be classified together. It is therefore particularly necessary for the real nature of any technical subject to be decided before it can be properly classified.

G02 OPTICS

Note(s)

In this class, the following expression is used with the meaning indicated:

- "optical" applies not only to visible light but also to ultra-violet or infra-red radiations. [4]

G02C SPECTACLES; SUNGLASSES OR GOGGLES INsofar AS THEY HAVE THE SAME FEATURES AS SPECTACLES; CONTACT LENSES

Note(s)

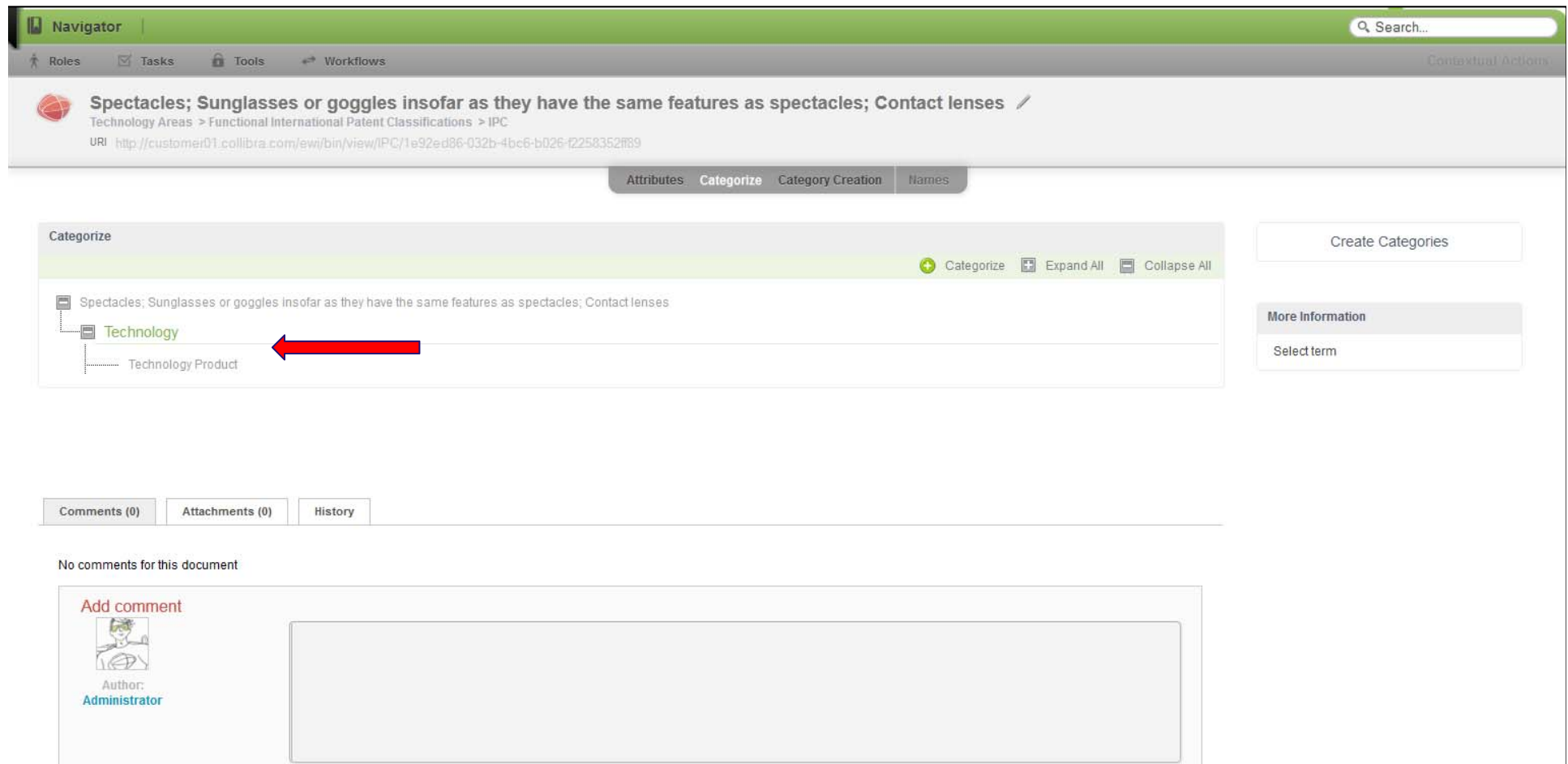
This subclass also covers monacles, pince-nez or lorgnettes.

< Analysis of the Technology classifications:

- Different concepts are being used in one and the same list
- Need for categorisation of terms – separation of concepts!
e.g. "Basic Materials": basic materials sector – products? – technology?

2. Document

Document: Categorisation of Terms



The screenshot displays the EWI Navigator web application interface. At the top, a green header bar contains the 'Navigator' logo and a search bar. Below this, a navigation bar includes links for 'Roles', 'Tasks', 'Tools', and 'Workflows'. The main content area features a document title: 'Spectacles; Sunglasses or goggles insofar as they have the same features as spectacles; Contact lenses', with a breadcrumb trail 'Technology Areas > Functional International Patent Classifications > IPC' and a URI. A tabbed interface shows 'Attributes', 'Categorize', 'Category Creation', and 'Names'. The 'Categorize' tab is active, displaying a tree structure where 'Technology' is highlighted with a red arrow, and 'Technology Product' is listed below it. To the right of the tree are buttons for 'Create Categories', 'More Information', and 'Select term'. At the bottom, there are tabs for 'Comments (0)', 'Attachments (0)', and 'History', with a message stating 'No comments for this document'. A comment section at the very bottom includes an 'Add comment' button, a user profile for 'Administrator', and a large text input area.

Document: Explicit rules of Mapping

1. Explicit Rules of Mapping Based on Explicit

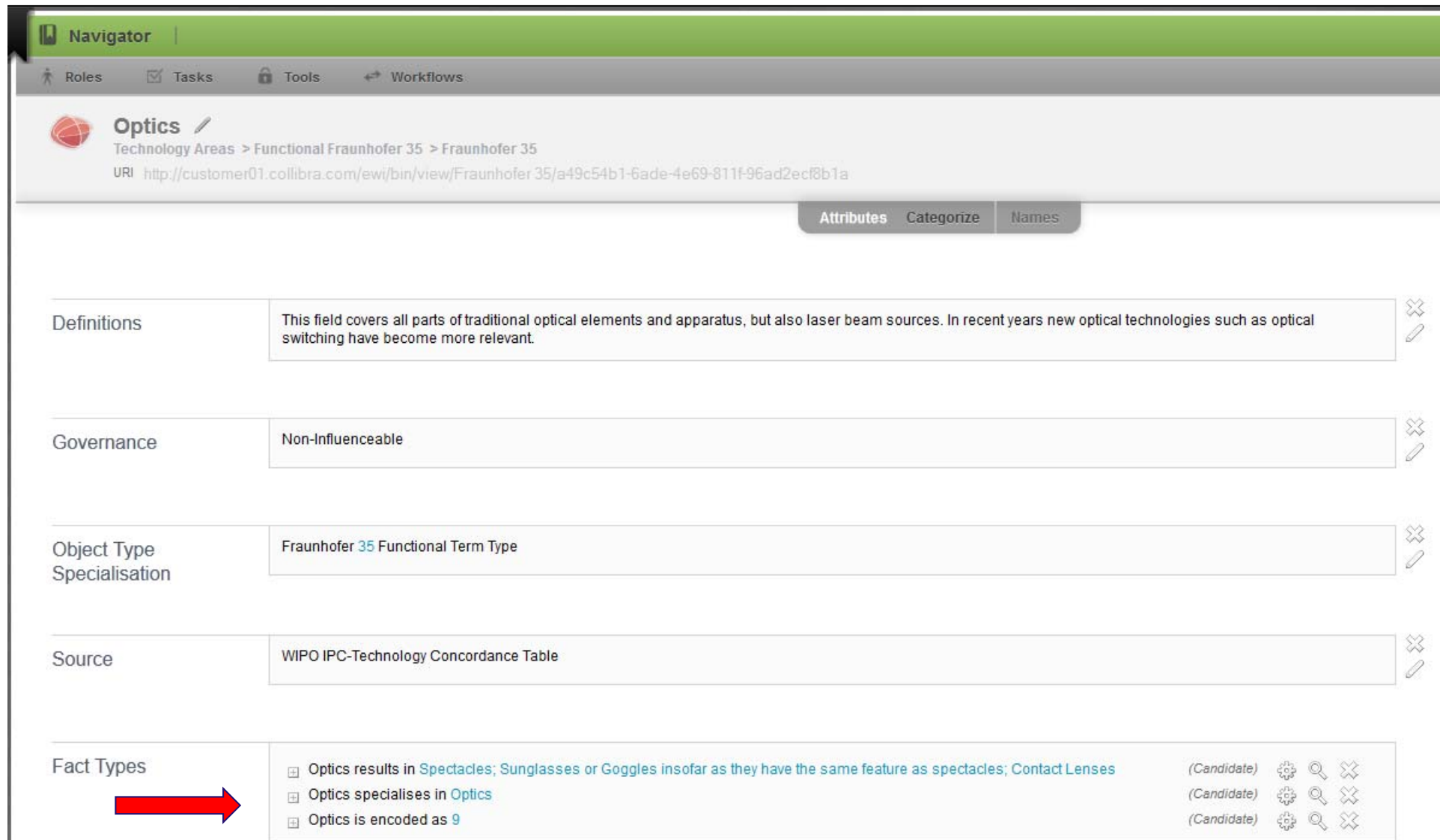
- Definitions of the Terms
- Categorisation of the Terms

2. Different types of mappings

- Concepts of the same category: 1:1 of 1:n → broader then, narrower then, specialisation of, maps on, specialised in
 - Optics (*Technology Product*) in Fraunhofer specialises in Optics (*Technology Product*) in IPC
- Concepts of a different category: define the meaning of the relation
 - Optical instruments e.g. telescopes (*Technology Product*) are the result of Optics (*Technology Domain*)

2. Document

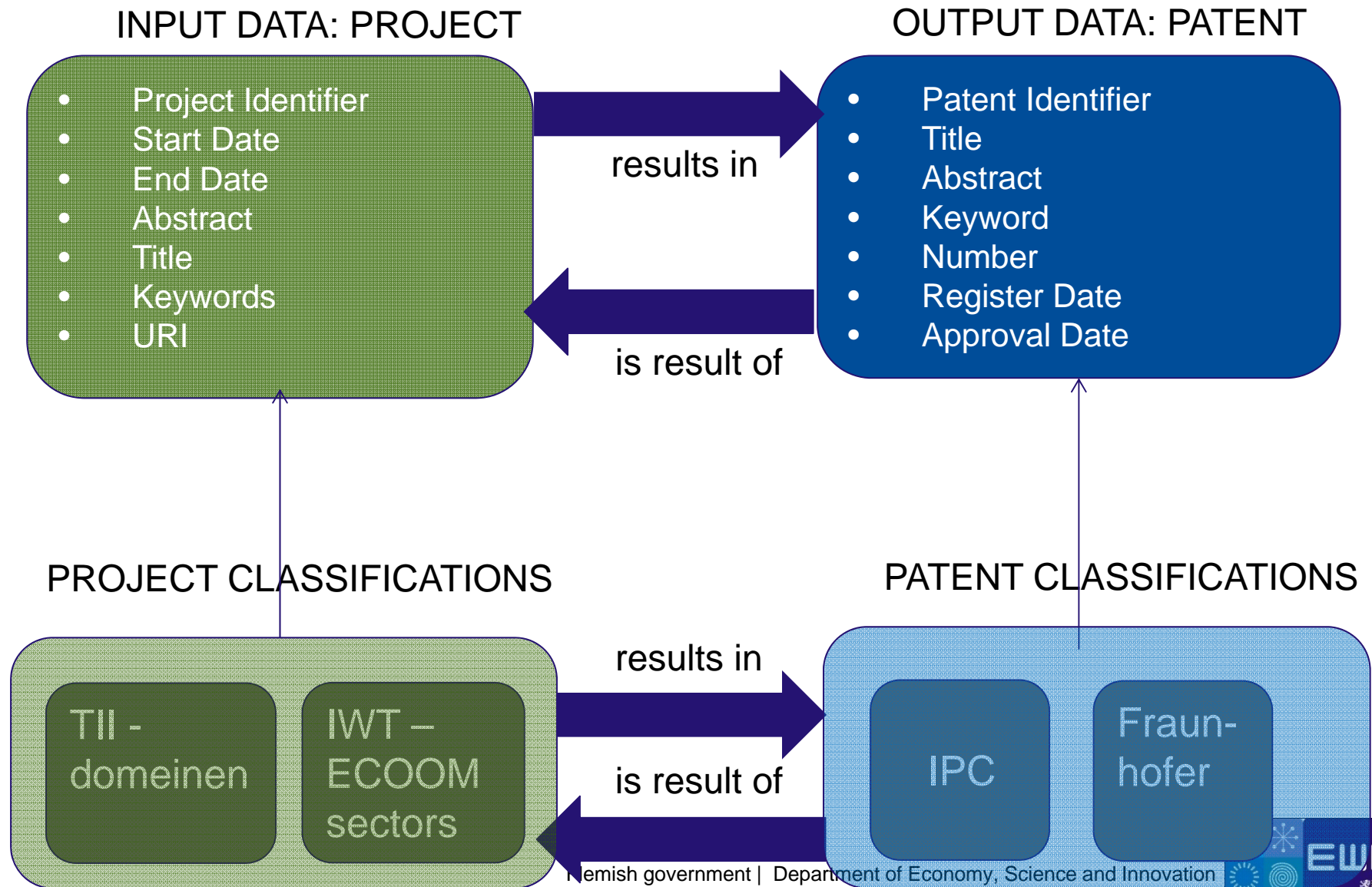
Document: Explicit rules of Mapping



The screenshot shows a web application interface for a document titled "Optics". The interface includes a top navigation bar with "Roles", "Tasks", "Tools", and "Workflows". Below this is a breadcrumb trail: "Technology Areas > Functional Fraunhofer 35 > Fraunhofer 35". The main content area is divided into sections: "Definitions", "Governance", "Object Type Specialisation", "Source", and "Fact Types". Each section has a text field and a set of icons (a cross and a pencil) for editing. The "Fact Types" section is highlighted with a red arrow pointing to it. The "Fact Types" section contains three entries, each with a checkbox, a description, and a "(Candidate)" label with three icons (a gear, a magnifying glass, and a cross).

	Attributes	Categorize	Names
Definitions	This field covers all parts of traditional optical elements and apparatus, but also laser beam sources. In recent years new optical technologies such as optical switching have become more relevant.		
Governance	Non-Influenceable		
Object Type Specialisation	Fraunhofer 35 Functional Term Type		
Source	WIPO IPC-Technology Concordance Table		
Fact Types	<ul style="list-style-type: none"><input type="checkbox"/> Optics results in Spectacles; Sunglasses or Goggles insofar as they have the same feature as spectacles; Contact Lenses (Candidate)<input type="checkbox"/> Optics specialises in Optics (Candidate)<input type="checkbox"/> Optics is encoded as 9 (Candidate)		

Document: The metamodel of the classification tables



2. Document

Document: The metamodel of Technology Classifications

Navigator | Search...

Roles Tasks Tools Workflows

Find similar Compare different versions Find terms

Patent
Output > Patent > Patent
URI <http://customer01.collibra.com/ewi/bin/view/Patent/90464100-af09-4991-ab94-4ebd88b64de6>

Attributes Categorize Names

Definitions A **Patent** (/'pætənt/ or /'peɪtənt/) is a form of intellectual property. It consists of a set of exclusive rights granted by a sovereign state to an inventor or their assignee for a limited period of time in exchange for the public disclosure of an invention.

Source Definition source: <http://en.wikipedia.org/wiki/Patent>

Fact Types

- Patent has **Patent number** (Candidate)
- Patent is registered on **Registration Date** (Candidate)
- Patent is approved on **Approval Date** (Candidate)
- Patent has **Patent keyword** (Candidate)
- Patent has **Patent title** (Candidate)
- Patent has **Patent abstract** (Candidate)
- Patent is identified by **Patent URI** (Candidate)
- Patent is identified by **Patent identifier** (Candidate)
- Patent is published by **Organisation** (Candidate)
- Patent is being held by **Person** (Candidate)
- Patent is published by **Person** (Candidate)
- Patent is classified by **Fraunhofer 5 Functional Term Type** (Candidate)
- Patent is classified by **Fraunhofer 35 Functional Term Type** (Candidate)
- Patent is classified by **Fraunhofer 19 Functional Term Type** (Candidate)
- Patent is classified by **IPC Functional Term Type** (Candidate)

Information

Status: **Candidate**

Concept Type: **Object Type**

0 % articulated

Attributes

Select an attribute...

Add Attribute

Add Relation

Add Fact Type Add Characteristic

Roles

Admin

There are no users assigned to this role.

The Five Steps of “Document”

1. Define all Terms – Respect the Code Hierarchy
2. Make the Relation between the Codes and Terms Explicit
3. Separate Different Concepts: Categorize the Terms
 1. If non-influenceable → deduce categorisation
 2. If influenceable → choose the right term!
4. Make the Rules of Mapping Explicit
 1. Based on Definitions (Term Vocabulary)
 2. Based on Categories
5. Take into Account the Metamodel of Classifications

3. People and Processes

Roles and Rights: Collaborative platform

Settings

Search...

Select Roles

Admin

Normal

PrimarySteward

Stakeholder

Steward

Rights

Permission

Search

	Normal	Stakeholder	Steward
Community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Import	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Export	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rename	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Remove	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vocabulary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Remove	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Import	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Export	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Representation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Term	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Remove	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rename	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Attachments	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Members	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Concept Type	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Save

3. People and Processes

Workflows: Collaborative Platform

Navigator | Search...

Roles Tasks Tools Workflows Contextual Actions

Review
Ask for community feedback on your work (e.g., from your subject matter experts).
Prerequisites : Speech Community must have users with role Admin and Stakeholder.
Start

Other Workflows
Approval Articulation

Optics
Technology Areas > Functional Fraunhofer 35 > Fraunhofer 35
URI: [http://customer01.colibra.com/view/bin/view/Fraunhofer 35/a49c54b1-6ade-4e69-811f-96ad2ecf8b1a](http://customer01.colibra.com/view/bin/view/Fraunhofer%2035/a49c54b1-6ade-4e69-811f-96ad2ecf8b1a)

Attributes Categorize Names

Definitions
This field covers all parts of traditional optical elements and apparatus, but also laser beam sources. In recent years new optical technologies such as optical switching have become more relevant.

Governance
Non-Influenceable

Object Type Specialisation
Fraunhofer 35 Functional Term Type

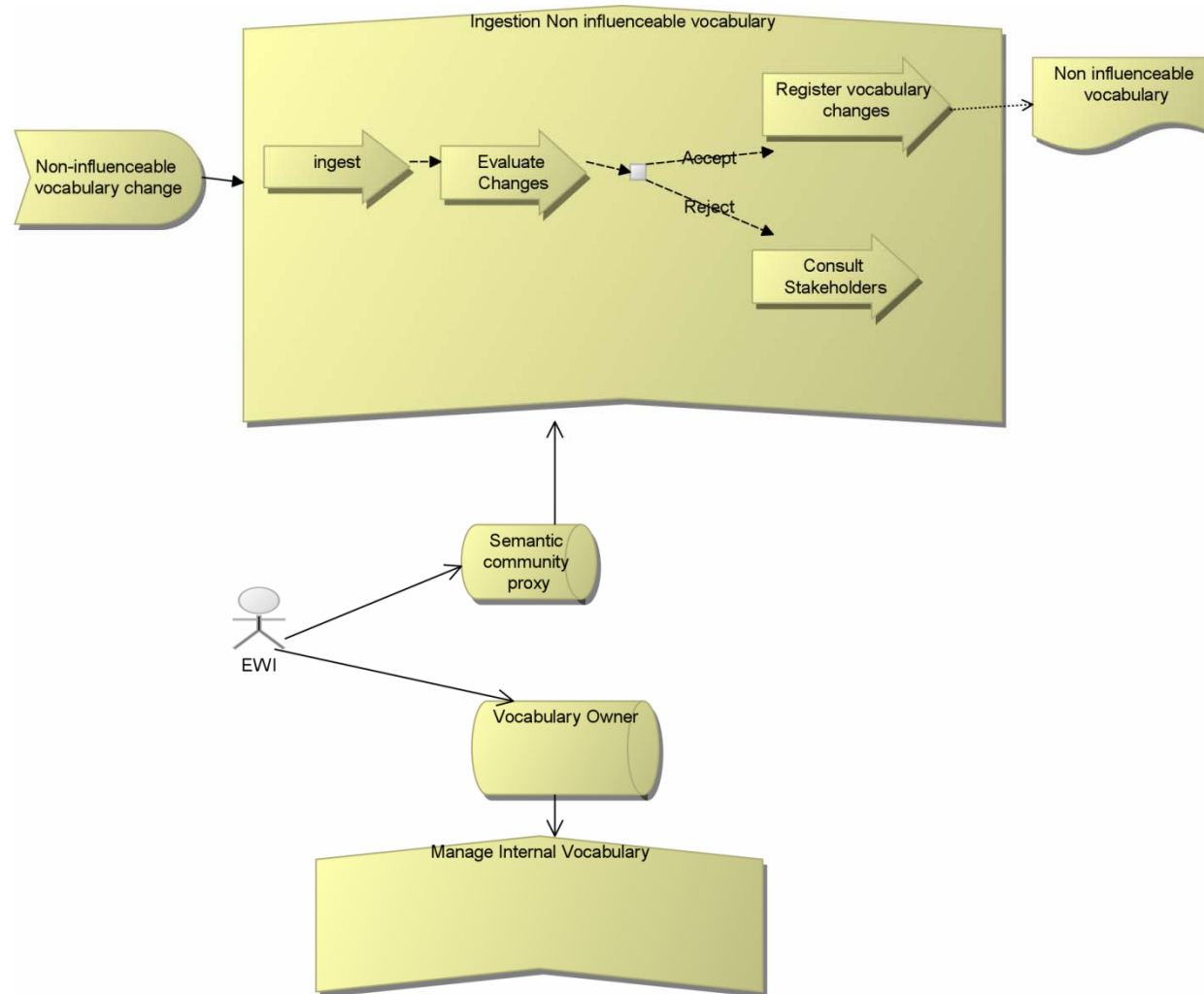
Source
WIPO IPC-Technology Concordance Table

Information
Status: Under Review
Concept Type: Object Type
%
culated

Attributes
Select an attribute...
Add Attribute

3. People and Processes

Workflow Example: Collaborative Platform



4. Operationalise

Who can consult the Business Semantics Glossary? Online Platform

The screenshot displays the Colibra Business Semantics Glossary web application. The browser address bar shows the URL <http://customer01.colibra.com/ewi/bin/view/Main/>. The page header includes the Colibra logo and the text "Business Semantics Glossary". A green navigation bar contains links for "Print", "Login", "Help", "Contact Us", and a search bar with the text "Optics".

The main content area is titled "Searching for 'Optics'." and displays a list of search results. On the left, there are two sidebars: "Browse Domains" with a list of categories (atmire, Currency, Economic Activity, EnvizionTemplate, EWI Test, Geographical Region, Language, Meta Semantics, RISC, Science & Innovation) and "Browse Terms" with an alphabetical index (A-Z).

The search results list includes the following entries:

- Optics (FWO Disciplines)
- Optics (IWETO Disciplines Envizion)
- Optics (Fraunhofer 19)
- Optics (TII Domains)
- Optics (IWT Sectors)
- Optics (Fraunhofer 35)
- Optics (IPC)
- Electromagnetism, optics, acoustics (IWETO Disciplines)
- Electromagnetism, Optics, Acoustics, Heat Transfer, Classical Mechanics, and Fluid Dynamics (FWO Disciplines)

On the right, a detailed view of the "Optics" entry is shown. It includes a breadcrumb trail: "FWO Disciplines < Disciplines < RISC". Under the "Attributes" section, the "Description" and "Definition" fields both state "No descriptions added yet." and "No definitions added yet." respectively. The "Names" section states "No names added yet."

4. Operationalise

Integration with systems / export possibilities

The screenshot displays the Collibra Business Semantics Glossary interface. At the top, the Collibra logo and 'Business Semantics Glossary' text are visible. The user 'Leen Van Campe' is logged in. The interface includes a 'Navigator' bar with tabs for Roles, Statistics, Tasks, Tools, and Workflows. A search bar is present on the right. The main content area shows the 'Fraunhofer 19' technology area with a list of terms. A 'Vocabulary Exporter' dialog box is open in the center, prompting the user to 'Choose a File Format' and providing options: RDF (OWL), Pattern, UML, and XSD. Each option has a green arrow pointing downwards. The background interface shows a list of terms under 'Fraunhofer 19' with checkboxes for selection. The right sidebar contains 'Information', 'Actions' (Edit Vocabulary Description, Move Vocabulary, Delete Vocabulary), 'Import', 'Export', and 'Advanced Actions' (Incorporate vocabulary).

Collibra
Business Semantics Glossary

Leen Van Campe

Dashboard | Glossary

Search...

Navigator | Roles | Statistics | Tasks | Tools | Workflows

Fraunhofer 19
Technology Areas > Functional Fraunhofer 19
URI <http://customer01.collibra.com/owl/bot/view?Fidmhcfr19/>

Terms

Show 50

Showing 1 to 19 of 19 entries

- ☐ Term
- ☐ Audio-visual electronics
- ☐ Basic chemicals, paints, soaps, petroleum products
- ☐ Computers, office machinery
- ☐ Electrical machinery, apparatus, energy
- ☐ Electronic components
- ☐ Energy machinery
- ☐ General machinery
- ☐ Machine-tools
- ☐ Measurement, control
- ☐ Medical equipment
- ☐ Metal products
- ☐ Non-polymer materials
- ☐ Optics
- ☐ Pharmaceuticals
- ☐ Polymers, rubber, man-made fibres

Vocabulary Exporter

Choose a File Format
Please choose a file format to export the vocabulary to.

RDF (OWL) | Pattern | UML | XSD

view | Visualize

Export | Show / hide columns

Steward

Information

Actions

- Edit Vocabulary Description
- Move Vocabulary
- Delete Vocabulary

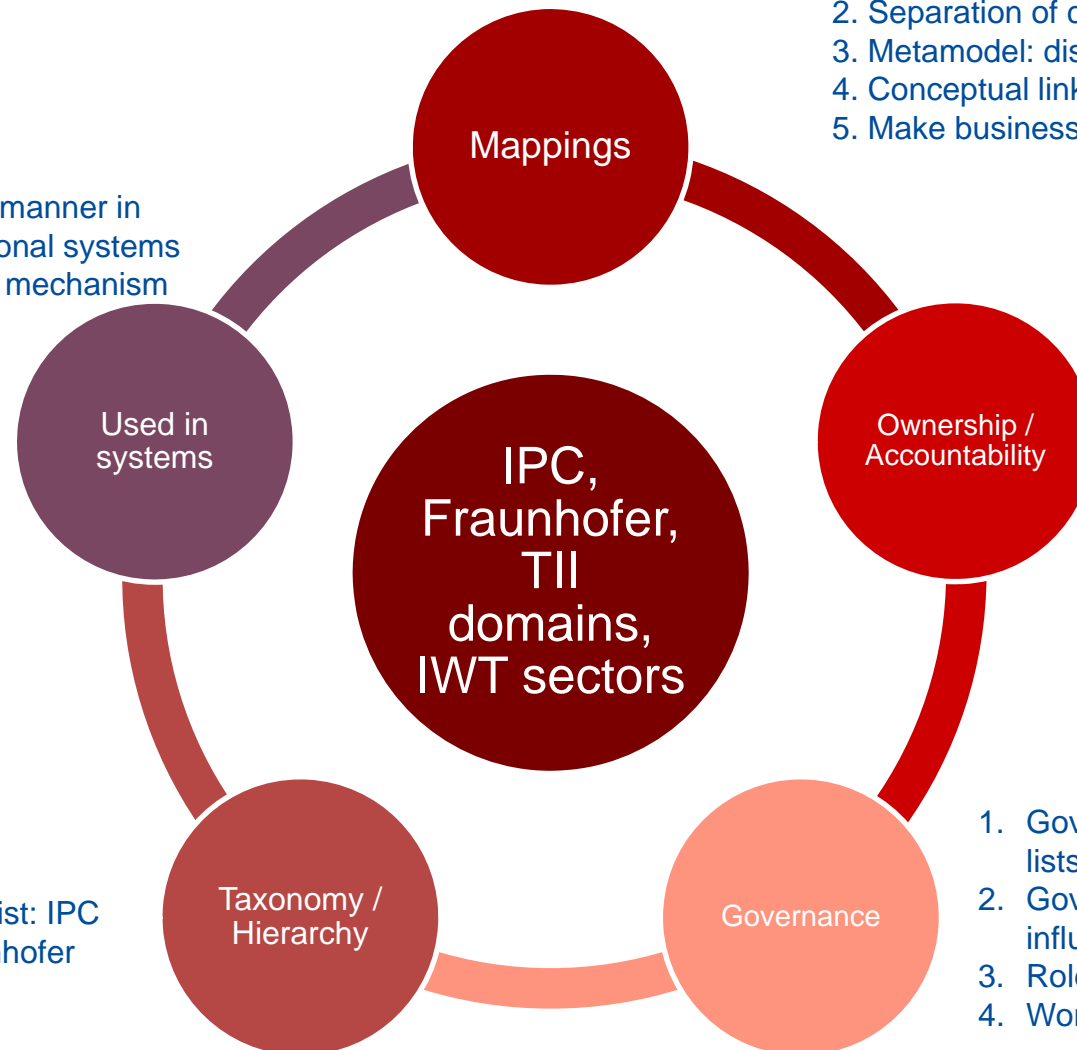
Import

Export

Advanced Actions

- Incorporate vocabulary

Challenges met?



1. Principles of Mappings

1. Business discussion about the meaning of Concepts
2. Separation of concepts: categorisation
3. Metamodel: distinction between IN and OUT
4. Conceptual linking (not between terms)
5. Make business rules explicit

1. Used in read-only manner in analytical and operational systems
2. Publish / subscribe mechanism

1. Community structure SBVR
2. Roles/rights made explicit
3. Workflows

1. Hierarchy within 1 list: IPC
2. Derived lists: Fraunhofer

1. Governance Influenceable lists
2. Governance of non-influenceable lists
3. Roles and Rights
4. Workflow support

EWI's Interest to Collaborate on Classifications:

1. Organisation

- SBVR Community structure for Technology
 - International Patent Classifications
 - Fraunhofer
 - TII Domains
 - IWT sectors
- SBVR Community structure for Science Domains
 - FWO Disciplines
 - IWETO Disciplines
 - IWETO Science Domains
- SBVR Community structure for Funding Sources
 - IWETO Funding Sources
- *Governance council: stakeholders, domain experts, stewards*

2. Document (Q1 en Q2 in 2013)

- Definitions of Fraunhofer, definitions of IPC
- Funding Sources : versioning + categorisation
- Science Domains: *Frascati categorisation*
- Information model / metamodel of classification tables (Patent, Project, Researcher, Funding)
- *Definitions of FWO Disciplines?*
- *Definitions of IWT sectors?*

3. People and Processes

- *Roles and rights*
- *Workflows*

4. Operationalise

- Glossary anywhere
- Import and export: Q2 in 2013
- API integration with systems



Thanks

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