

## Meeting Minutes – Webinar 09/11/2021

### Core Vocabularies 2.0 Webinar #4

Project	Action 2016-07 Promoting semantic interoperability amongst the EU Member States	Meeting Date/Time	09/11/2021 10:00-12:00 PM (GMT+1)
Meeting Type	Webinar	Meeting Location	Cisco Webex Meetings
Meeting Coordinators	Makx Dekkers Emidio Stani	Issue Date	23/11/2021

#### Meeting Agenda

1. Welcome
2. Context of the revision process of the Core Vocabularies
3. Proposed changes to the Core Vocabularies
  - a. General changes
  - b. Core Business
  - c. Core Public Organisation
4. Wrap-up: actions and timeline

**Presentation and meeting details:** <https://joinup.ec.europa.eu/collection/semantic-interoperability-community-semic/event/core-vocabularies-revision-webinar-9th-november-2021>

Attendee Name		Organisation/Country
Aleksandra Lavreneva	AL	PwC
André Lapa	AL	Portugal
Andreea Pasare	AP	Romania
Anje Westera	AW	
Antonella Lunelli	ALu	Italy

Bart Hanssens	BH	Belgium
Bert Van Nuffelen	BVN	Tenforce
Cécile Guasch	CG	European Commission
Costas Simatos	CS	Belgium
Dario Ilari	DI	
Dimitri Schepers	DS	Cronos
Emidio Stani	ES	ArchiTES
Erik Hagen	EH	Norway
Ermo Täks	ET	Estonia
Florian Barthelemy	FB	PwC
Frank Steimke	FS	Germany
Giampaolo Sellitto	GS	Italy
Giorgia Lodi	GL	ISTC - CNR Italy
Håvard Kvernelv	HK	Norway
Hide Yasui	HY	Japan
Jakub Klímek	JK	Czechia
Jim Yang	JY	Norway
Jorge Sousa	JS	Portugal
Kitano Naho	KN	Japan
Konstantinos Raptis	KR	UPRC
Liliana Onofre	LO	Portugal

Loredana Provasi	LP	Italy
Lorenzo Iannone	LI	
Makx Dekkers	MD	Independant consultant
Marco Pedro	MP	Portugal
Maya Borges	MB	
Miguel Alvarez	MA	European Commision
Miha	?	SLO?
Mihai Paunescu	MPa	Luxembourg
Natalie Muric	NM	European Commission
Ondrej Kerka	OK	Czechia
Ondrej Medovic	OM	Czechia
Pavlina Fragkou	PF	European Commission
Peter Bruhn Andersen	PBA	Denmark
Peter Winstanley	PW	Semanticarts
Riitta Alkula	RA	Finland
Rob Walker	RW	United Kingdom
Roelof de Graaf	RDG	Eucaris
Sebastian Sklarss	SS	Germany
Seth van Hooland	SVH	European Commission
Silvia Tursi	ST	Italy
Sjaak Kempe	SK	Netherlands

Tamás Demeter	TD	Hungary
Tapani Makela	TM	Finland
Tarja Myllymäki	TM	Finland
Thierry Hock	TH	
Veerle Beyaert	VB	Belgium
Wimmer	?	Germany

## Summary of the meeting

Topic	Summary
<b>Welcome</b>	<ul style="list-style-type: none"> <li>Seth van Hooland opened the webinar by welcoming the participants and presented the objectives of the webinar.</li> </ul>
<b>Context of the revision process of the Core Vocabularies</b>	<ul style="list-style-type: none"> <li>Pavlina Fragkou presented the context of the Core Vocabularies and the planning of the revision process of the Core Vocabularies. Pavlina Fragkou specified that this webinar will be dedicated to Core Business and Core Public Organisation Vocabularies.</li> </ul>
<b>General changes</b>	<ul style="list-style-type: none"> <li>Frank Steimke asked whether there are common design rules for Core Vocabularies which make it easier to translate them to W3C schema. <ul style="list-style-type: none"> <li>Emidio Stani mentioned that XML rules are in preparation.</li> <li>Pavlina Fragkou (PF) added that on a higher level the editorial team proposed specific data modelling rules, on which a github issue has been created, and invited the working group to comment on them.</li> </ul> </li> </ul> <p><b>Representing the vocabulary in UML/HTML (CPOV Issue #11, Core Business Issue #15)</b></p> <ul style="list-style-type: none"> <li>Emidio Stani mentioned that the editors are currently working on an improved and consistent template for the specifications of the Core Vocabularies (and other SEMIC assets).</li> </ul>

**Terminology and definitions in the core vocabularies (CPOV Issue #12, Core Business Issue #16, #19)**

- A proposition has been made on GitHub.
- Comments are welcome.

**Need to conflate CPV, CPOV and CBV into a CAGV (CPOV Issue #4, Core Business Issue #6)**

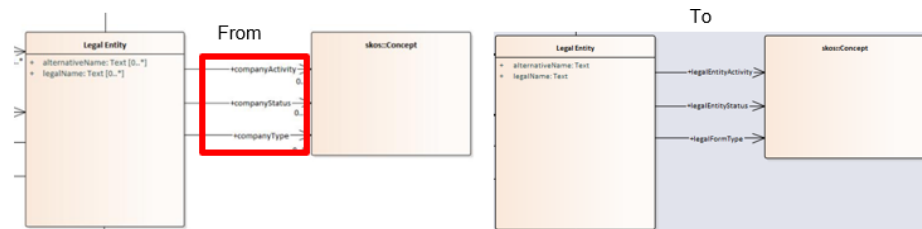
- Proposition to clarify and consolidate the relationships among the Core classes.
- Need to update the diagram:
  - Anna Ingram noted that org:FormalOrganization is also a subclass of org:Organization.
  - Giorgia Lodi mentioned that Org:organisation is equivalent to foaf:Organization.

**Proposed changes to the Core Business Vocabulary**

**Constraints in Core Vocabularies (Core Business Issue #12, #17, #4)**

- Sjaak Kempe asked why FormalOrganization is used instead of FormalOrganisation, as it was decided to use business English. Makx Dekkers answered that business English is used by default, except when a concept from an external vocabulary is reused. In the case of FormalOrganization, this comes from W3C which uses US English.

**CompanyType and CompanyActivity (Issue #11 , #10)**



- Natalie Muric asked why companyActivity is used, as a Formal Organization could be a public authority that is not a business. Makx Dekkers answered that this was changed in the current proposition to avoid confusion.
- Cecile Guasch mentioned that in procurement public and private organisations still stemming from Organisation need to be distinguished. Makx Dekkers answered that the properties of Legal Entity and Public Organisation are proposed and defined in the Core Vocabularies for their specific use cases. However, there is nothing preventing reusing properties from both vocabularies which would be relevant for an organisation.
- Mihai Paunescu noted that the actual name "legal entity" might not be the best choice, and "commercial entity" might fit

better. Makx Dekkers replied that the class name is just a naming convention and the definition clarifies the usage.

- While there is a concern on the definition of Legal Entity, the changes proposed are not in conflict with such concern, so they can be considered agreed.

#### **Formal Organization description (Issue #9)**

- Giorgia Lodi indicated that LegalEntity is misleading in the general diagram, as a private organisation and a public organisation can also be a LegalEntity. This causes confusion. This property is more general and should be added in the general diagram. Makx Dekkers replied that this is a struggle that has been going on for some time. Before it was called Business and that caused confusion, we were asked to change the name, therefore we propose to change it to LegalEntity. A public organisation does not have a LegalEntity type. This definition is more important than the label at the moment, as it will be difficult to agree on a name and get everyone on board.

#### **legalEntity property (Issue #13)**

- Emidio Stani proposed to remove such a broad relation, making it consistent with other Core Vocabularies.
- Giorgia Lodi indicated that there is some form of participation of a company in another company, or a public organisation in a company. This can be an interesting use case. Emidio Stani responded that a use case is needed to see if such an entity needs to be added.
- The working group agreed with the proposition.

#### **Name of the Vocabulary: Business vs LegalEntity (Issue #20)**

- Emidio Stani proposed to change the name of the vocabulary to Core Legal Entity.
- Cécile Guasch raised a question Makx Dekkers added that the discussion on the question whether there should be two vocabularies (Core Business and Core Public Organisation) already took place in the past (2013). It was decided in the past to make two vocabularies. The SEMIC action can plan to have this discussion next year, if needed
- Cecile Guash asked why it is not possible to look at this now. Makx Dekkers replied that the editorial team is now in the process of reviewing existing core vocabularies which are reused. If there is a case to merge or get rid of a vocabulary, we need to look closely at what this means for existing definitions and it will require an extensive redesign of the Vocabularies. This could be something for next year. Seth Van Hooland added that this type of important decision can not be made quickly, it should be tackled in 2022.

#### **Site vs Address(Issue #1)**

- Emidio Stani proposed two solutions to the working group:

	<ul style="list-style-type: none"> <li>○ Give the freedom to add site and express complexity, which means no change will be done.</li> <li>○ Remove the domain (Legal Entity) from registeredAddress as agreed in Core Location.</li> <li>● Sjaak Kempe asked whether a site is a physical site (and address) or a 'website' and (www. address). Florian Barthelemy clarified with a <a href="#">usage note of W3C</a> that it is a physical site. Maks Dekkers mentioned that this discussion is outside of this context, as the discussion here concerns a physical site, as is explained in the usage notes of the Core Vocabulary.</li> <li>● Natalie Muric mentioned that an organisation has a specific domain, and might have different sites. She asked why there are not both a registered address and a site address. Emidio Stani replied that it is possible to add this. Bert Van Nuffelen mentioned that both can work together. The challenge is whether we have to choose upfront what the address of the organisation is. There are two possibilities available, it is up to the end user to either use siteAddress or registeredAddress.</li> <li>● Giorgia Lodi asked whether this is in the namespace of the Core Vocabulary. Bert Van Nuffelen mentioned that the domain is specific, and the editorial team is proposing to lift that and connect to the Core Location Vocabulary. Giorgia Lodi replied that there should not be a discussion in her opinion, as it needs to be aligned with the Core Location Vocabulary.</li> <li>● Working group agreed with aligning to Core Location Vocabulary as proposed by Giorgia Lodi.</li> </ul> <p><b>Identifier class (issue #14)</b></p> <ul style="list-style-type: none"> <li>● Emidio Stani proposed to specialize the range of the issuingAuthorityURI relation which currently is URI.</li> <li>● There is consensus to reuse indeed such property to connect towards an foaf:Agent</li> </ul> <p><b>Different level of granularity of Core Business wrt CPOV (Issue #8)</b></p> <ul style="list-style-type: none"> <li>● Core Business and Core Public Organisation have different levels of granularity. The editors propose not to add concepts except if there is a need. In the coming year, while looking into the use cases for CBV and CPOV, additional concepts can be identified.</li> <li>● The participants agreed with this proposition.</li> </ul>
<p><b>Proposed changes to the Core Public Organisation Vocabulary</b></p>	<p><b>Replacement of CPSV Formal Framework with ELI Legal Resource (CPOV Issue #5)</b></p> <ul style="list-style-type: none"> <li>● Sjaak Kempe asked for clarification on the usage of the change event. Maks Dekkers highlighted the Change Event definition: <i>"Represents an event which resulted in a major change to an Organization such as a merger or complete restructuring. It is intended for situations where the resulting Organization is</i></li> </ul>

sufficiently distinct from the original Organizations that it has a distinct identity and distinct URI.”

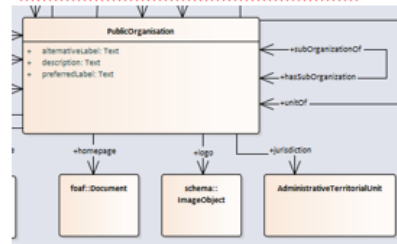
- Makx Dekkers clarified that a legal act is an ELI:LegalResource.
- Cecile Guasch mentioned that law is too narrow, and a more general concept is needed.
- The participants agreed with the proposition to adopt ReferenceFramework as currently modelled in CCCEV. This will ensure consistency and will keep the framework general and not bound to ELI.
- Maya Borges asked if there is a formal relationship between reference framework and eli:LegalResource? It would be good to be able to extend the Reference Framework by stating the ELI if it's available. BVN: this will be tackled in the next webinar, where we will consolidate on this issue.
- Cecile Guasch would like that the use cases for all the changes agreed are documented.

### AdminTerritorialUnits class and its role (Issue #7)

The meaning of AdminTerritorialUnits should be not linked to a spatial relation but mostly as jurisdiction relation

#### Proposition:

- class name should be singular
  - to change the spatial relationship with the jurisdiction relationship;
  - to not conflate NUTS with Administrative Territorial Units (as NUTS is for statistical and not jurisdictional purposes), NUTS are not mentioned in the vocabulary;
  - to delete the relationship between AdministrativeTerritorialUnits and the Geometry class.
- Impact on URI



Agree on proposition?

- The working group agreed with the proposition.
- Cecile Guasch asked whether NUTS is different from jurisdictional units. NUTS is primarily made for statistics. It is aligned as much as possible with administrative units. There is a need to look into the alignment with jurisdictions.

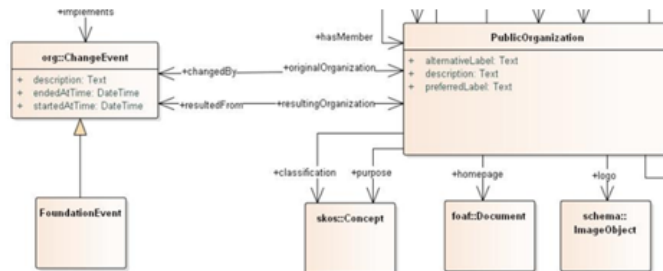
### ChangeEvent and its subclass(Issue #9)



For being a Core Vocabulary, would be sufficient to keep ChangeEvent or having just 1 subclass (foundation) or multiple one ?

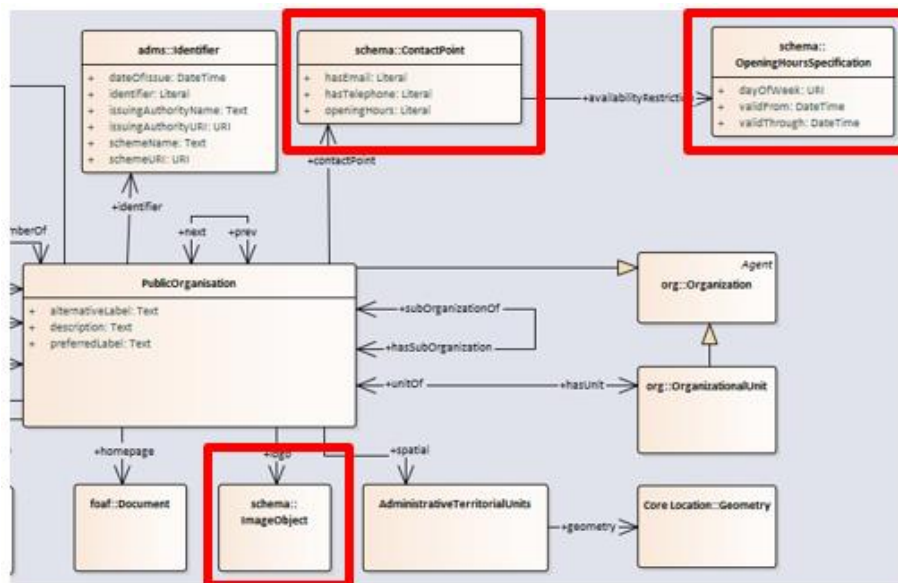
**Proposition:**

- Keep ChangeEvent and FoundationEvent, the reason for existence of FoundationEvent is that a PublicOrganisation cannot exist unless it has been founded (by some legal statement).



- Georgia Lodi highlighted that `ChangeEvent` is something which is used to change something, here a `FoundationEvent` should be distinguished and captured in the more general model (because it is also relevant for Core Business).
- Participants agreed to keep the `FoundationEvent` but to remove the subclass relationship.
- Cécile Guasch mentioned that if `Event` and not `ChangeEvent` is considered, the decision is no longer valid. If it was `Event`, then the specification of `FoundationEvent` could be kept. Maks Dekkers replied that this is not part of the proposal.
- Augusto Herrmann said that what is different in a change event in a `PublicOrganisation` is that the event is usually associated with a law or legal norm.
- Georgia Lodi added that the general event class can help you in modelling properties that are common to both change event and foundation event (e.g., time).
- Augusto Herrmann mentioned that the address and `contactPoint` are other examples that also apply for the more general `Organisation` model.

**Remove dependency on Schema.org(CPOV Issue #10)**



- The editorial team will change the namespace from Schema.org.
- Peter Bruhn Andersen asked if this would mean that from now on SEMIC will never reuse a vocabulary where Schema.org is used. Makx Dekkers replied that the properties could still be added, but it is the intention to not be dependent on Schema.org in the vocabularies. Seth Van Hooland added that the SEMIC action plans to investigate the relationships with other initiatives in 2022, where Schema.org is part of.

#### **cpov:PublicOrganisation subclassOf (Issue #14)**

- Editorial team proposed not to change the class, as the subclass does not have an impact per se.
- For implementations, there is no impact but the editors will explain clearly why the current subclass relationships are proposed in CPOV and CBV. This will be discussed in the next webinar together with a visualisation of both vocabularies.

#### **Change Event: started/ended at time (Issue #15)**

- Cecile Guasch proposed the following definition for Started time: *"The time instant when the state of the organisation update was initiated."*
- This could also be adapted for ended Time: *"The time instant when the state of the organisation update was terminated."*

#### **Contact Point / Contact Info (CPOV Issue #16, Core Person #5)**

- Sjaak Kempe proposed to add a website property to this class. Anna Ingram proposed to make it broader to url, as it can also cover social media accounts.
- Participants agreed to centralise the information about how to contact organisations. Different propositions were made to

	<p>keep Contact Info simple or to capture more properties or types of channels. This discussion will be continued on GitHub.</p> <ul style="list-style-type: none"> <li>• The proposition is to rename Contact Info to capture the information about how to contact an Organisation and not the points of contact directly. The prefix would be cv:ContactInfo.</li> <li>• Cecile Guasch mentioned that contact point should not be a Person, as it is not always a person who is the contact point. Natalie Muric confirmed this for GDPR reasons. Giorgia Lodi added that Contact info is for agents.</li> </ul> <p><b>OrganizationalUnit and use of s or z in the word "Organisation" (Issue #8)</b></p> <ul style="list-style-type: none"> <li>• It was agreed to use British English everywhere unless something is reused from another vocabulary or ontology that is written in American English.</li> </ul> <p><b>Wrong object property (CPOV Issue #17)</b></p> <ul style="list-style-type: none"> <li>• Editorial team proposed to keep using org:identifier with range Literal.</li> <li>• Peter Bruhn Andersen mentioned that this will not be possible, and the adms:identifier has to be used.</li> <li>• Giorgia Lodi indicated that if the identifier would be fixed in the general model, this would not have to be discussed further. Agents will simply have Identifier.</li> </ul> <p><b>Typo in RDF expression of the vocabulary (Issue #3)</b></p> <ul style="list-style-type: none"> <li>• Editorial team confirmed that the typo has been fixed.</li> </ul>
<p><b>Wrap up</b></p>	<p>Pavlina Fragkou thanked everyone for their contribution and comments. PF presented how the discussion on Core Vocabularies will proceed, and invited the working group to contribute in Github on the Core Vocabularies:</p> <ul style="list-style-type: none"> <li>• <a href="https://github.com/SEMICeu/Core-Person-Vocabulary/issues">https://github.com/SEMICeu/Core-Person-Vocabulary/issues</a></li> <li>• <a href="https://github.com/SEMICeu/Core-Location-Vocabulary/issues">https://github.com/SEMICeu/Core-Location-Vocabulary/issues</a></li> <li>• <a href="https://github.com/SEMICeu/Core-Business-Vocabulary/issues">https://github.com/SEMICeu/Core-Business-Vocabulary/issues</a></li> <li>• <a href="https://github.com/SEMICeu/CPOV/issues">https://github.com/SEMICeu/CPOV/issues</a></li> </ul> <p>Feedback can still be given until the 23rd of November.</p> <p>Pavlina Fragkou added that the next and last webinar on Core Vocabularies will take place on the 2nd of December, of which the draft agenda is the following:</p> <ul style="list-style-type: none"> <li>• Consolidate diagram</li> <li>• Data modelling rules</li> <li>• Serializations</li> </ul>