



A DCAP for the Social and Solidarity Economy

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Table of contents

- Context
- Methodology
- DCAP-SSE presentation
- Conclusions
- Future Work

The Social and Solidarity Economy

Cooperatives

Mutualities

Associations

Among others...

The SSE is different from the economy of State and Market since it is created by an organised civil society.

Common Good, i. e., goals are not neither centered in profit nor in individualistic needs.

SSE Web Platforms

Implement Interoperability between SSE Web platforms



DCAP!

SSE Web Platforms interoperability

International Network for the promotion of the SSE
(RIPESS)



Group ESSGlobal



DCAP - SSE

Methodology

- DCAP development -> complex task -> open environment
- The importance of methods -> Me4MAP
- Me4MAP was developed in the framework of a PhD using the Design Science Research methodology
- DCAP-SSE development was informed by Me4MAP

Me4MAP (first Stage)

- In the **first Stage** we developed the **Functional Requirements**. This activity included the sub-activities of:
 - definition of the *vision* of the project;
 - definition of the *application domain*;
 - elicitation of the *high-level requirements*;
 - development of the *use-case model*;
 - elicitation of the *functional requirements*.

Me4MAP (second Stage)

- In the **second Stage** we developed the **Domain Model**. This activity included the sub-activities:
 - definition of the *environmental scan*;
 - definition of the *domain model*.

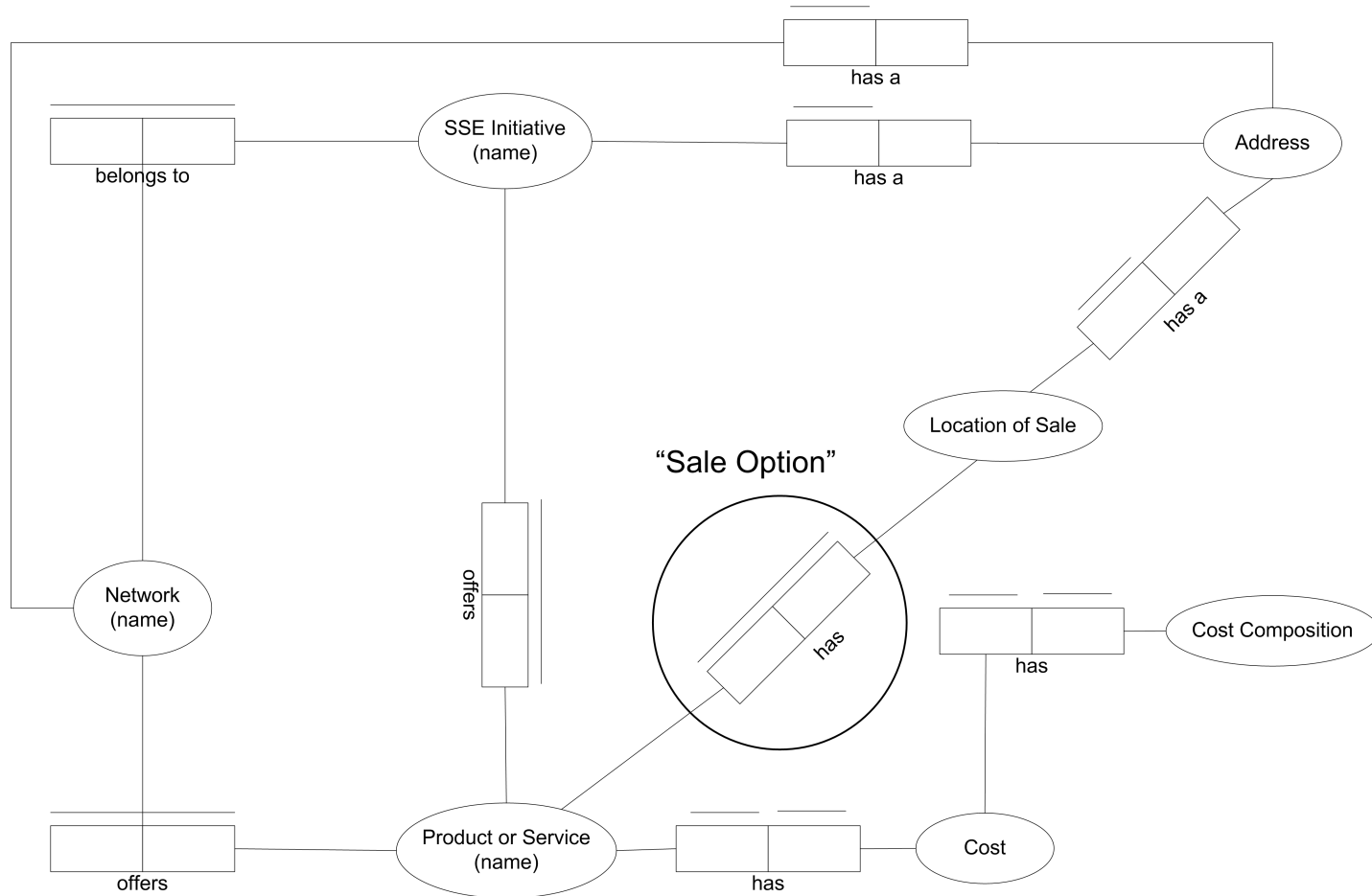
Me4MAP (third Stage)

- In the **third Stage**, we developed the **Description Set**. This activity included the sub-activities of:
 - Development of Pre-Description Set profile including sub-activities of :
 - Definition of the Detailed Domain Model;
 - Definition of the Vocabulary Alignment;
 - Definition of the Constraints Matrix.
- Encoding of the Description Set Profile.

Functional Requirements

- enable the creation and sharing of consistent metadata;
- support the search by any or all items: “SSEInitiative”, “Network”, “Product”, “Sale Options” and “Product-Input”;
- support the search for any property of each element mentioned in the previous paragraph and also “Cost Composition” of any Product-Input.

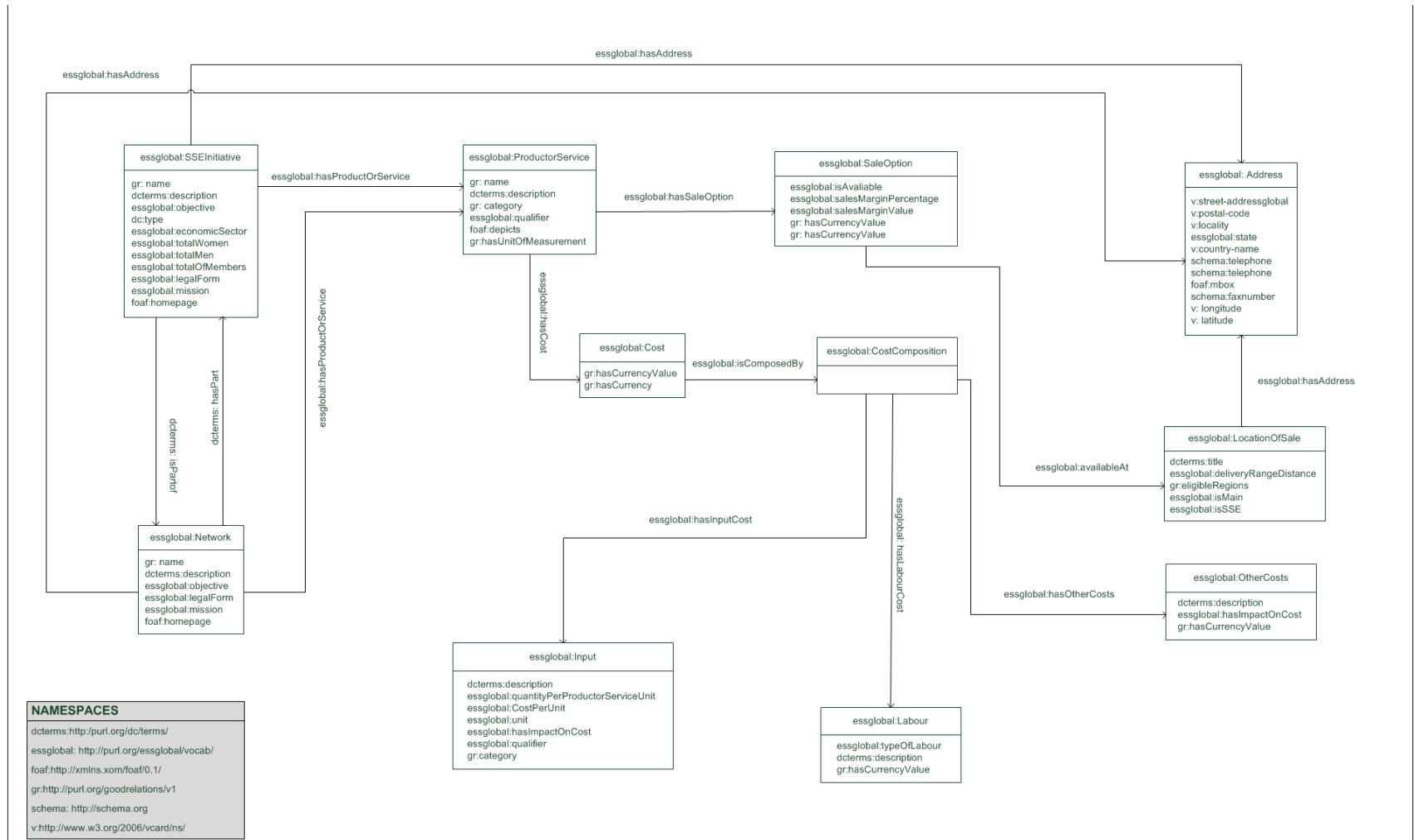
Domain Model



RDF Vocabularies used in the DCAP-SSE

- **dc:** Dublin Core Terms
 - <http://purl.org/dc/terms/>
- **v:** VCARD vocabulary
 - <http://www.w3.org/2006/vcard/ns/>
- **foaf:** Friend of a Friend Vocabulary
 - <http://xmlns.com/foaf/0.1/>
- **schema:** Schema.org
 - <http://schema.org>
- **gr:** Good Relations vocabulary (e-commerce)
 - <http://purl.org/goodrelations/v1#>
- **essglobal:** SSE vocabulary
 - <http://purlg.org/essglobal/vocab/>

Data Model - UML Class diagram



Constraints Matrix

Definition of Description Templates											
Description Template:	SSE initiative	Property:	essglobal:SSEInitiative			Usage:	An organization, practice, network, or other initiative that is recognized as belonging within the social solidarity economy.				
Label	Property	Range	Value String	SES URI	Value URI	VES URI	Related description	Min	Max	Type	Usage
Name	gr:name	literal	YES	no	n/a	n/a	n/a	1	1	n/a	The name of the SSE initiative in its original language.
Description	dcterms:description	literal	YES	no	n/a	n/a	n/a	0	1	n/a	A description of the SSE initiative.
Objective	essglobal:objective	literal	YES	no	n/a	n/a	n/a	0	1	n/a	Actionable and measurable steps the initiative is taking to carry out its mission.
Mission	essglobal:mission	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The initiative's vision, values, and principles.
Type	dc:type	literal	YES	no	n/a	n/a	n/a	0	infinity	n/a	
Economic Sector	essglobal:economicSector	non-literal	no	no	YES	http://purl.org/essglobal/standard/activities	n/a	0	infinity	n/a	The economic sector of the SSE Initiative. ESSGlobal has established a VES form this term.
Total of Women	essglobal:totalWomen	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The number of women that work in the SSE Initiative.
Total of Men	essglobal:totalMen	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The number of men that work in the SSE Initiative.
Total of Members	essglobal:totalOfMembers	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The total number of members that work in the SSE Initiative.
Legal Form	essglobal:legalForm	non-literal	no	no	YES	http://purl.org/essglobal/standard/legal-form	n/a	0	1	n/a	
URL	foaf:homepage	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The initiative's homepage.
Has Product or Service	essglobal:hasProductOrService	non-literal	YES	no	no	no	YES	0	infinity	n/a	The good offered by the SSE initiative.
has address	essglobal:hasAddress	non-literal	YES	no	no	no	YES	0	1	n/a	The address of the SSE Initiative.
Is part of a Network	dcterms:isPartOf	non-literal	YES	no	no	no	YES	0	infinity	n/a	A network of individuals and/or organizations that the SSE Initiative belongs to.
Description Template:	Network	Property:	essglobal:Network			Usage:	A network of individuals and/or organizations that participate in the SSE.				
Label	Property	Range	Value String	SES URI	Value URI	VES URI	Related description	Min	Max	Type	Usage
Name	gr:name	literal	YES	no	n/a	n/a	n/a	1	1	n/a	Name of the network.
Description	dcterms:description	literal	YES	no	n/a	n/a	n/a	0	1	n/a	A description of the network.
Objective	essglobal:objective	literal	YES	no	n/a	n/a	n/a	0	1	n/a	Actionable and measurable steps the initiative is taking to carry out its mission.
Legal Form	essglobal:legalForm	non-literal	no	no	YES	http://purl.org/essglobal/standard/legal-form	n/a	0	1	n/a	ESSGlobal has established a VES for this property.
Mission	essglobal:mission	literal	YES	no	n/a	n/a	n/a	0	1	n/a	The Network's vision, values, and principles.

Table based on the table presented in the Guidelines for DCAP by Baker & Coyle (2009)

Description Set Profile

<http://purl.org/essglobal/dsp-xml>

essglobal RDF vocabulary

- dimensions such as:
 - the description of specific characteristics of the SSE organisations (e.g. #men; #women);
 - the description of relations and networks that exist among SSE organisations;
 - the description of the product or service's:
 - open cost;
 - labour costs.

essglobal RDF vocabulary

- 11 classes: 4 of these classes are sub-classes of well-known RDF vocabularies classes;
- 29 properties: 9 are object properties and the remaining 20, datatype properties.

5 new Vocabulary Encoding Schemes

- Economic Activities/Sectors:
<http://purl.org/essglobal/standard/activities>
- Macro-themes:
<http://purl.org/essglobal/standard/themes>
- Qualifiers:
<http://purl.org/essglobal/standard/qualifiers>
- Type of Labour:
<http://purl.org/essglobal/standard/type-of-labour>

Conclusions

- Me4MAP
- Primary use of DCAP-SSE:
 - aid the discovery of SSE goods or services and networks;
 - Calculating statistical data.
- Example of application: a smartphone App presenting users the location and characteristics of nearby SSE organisations.

Future Work

- **Research Track**
 - DCAP-SSE here presented is a work-in-progress
->> continue the Me4MAP process.
- **Marketing & Technical support Track**
 - Dissemination plan
 - Manual & Use-Cases development
- **Development Track**
 - To find ways to present the SSE metadata within an application framework;
 - User interface development.



Thank you!
Obrigada!

Happy to answer your questions!
Disponível para responder às suas questões!

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