

# 1. Modeling Domain Analysis

Concept	Explicit Definition	Intrinsic Properties	Extrinsic Properties
<b>Curriculum Vitae</b>	Generic CV with a reference to the person it portrays .		One Person
<b>Person</b>	The center concept the metamodel revolves around with, since the CV characterizes a person. This concept has many extrinsic properties that add to the characterization.	<b>full_name</b> : String <b>date_of_birth</b> : Date <b>phone_number</b> : Integer <b>home_address</b> : String <b>description</b> : String	<b>Arbitrary number</b> of Citation Names; <b>Arbitrary number</b> of Websites; <b>Arbitrary number</b> of idioms; <b>Arbitrary number</b> of Degrees; <b>Arbitrary number</b> of Projects; <b>Arbitrary number</b> of Affiliation Fields; <b>Arbitrary number</b> of Distinction Types; <b>Arbitrary number</b> of Activity Types; <b>Arbitrary number</b> of Technologies.
<b>Citation Name</b>	One of the citation names of the person which is represented in the CV.	<b>name</b> : String	
<b>Website</b>	Website URL relevant for the person's CV.	<b>url</b> : String	
<b>Idiom</b>	Concept for the idioms that are known by the person with attributes which identify the person's different qualifications on it, according to the CEFR six-point scale (A1 up to C2).	<b>language</b> : String <b>speaking_qual</b> : String (*) <b>reading_qual</b> : String (*) <b>writing_qual</b> : String (*) <b>listening_qual</b> : String (*)	
<b>Degree</b>	Concept for the different degrees of a person.	<b>institution</b> : String <b>degree_name</b> : String <b>start</b> : Date <b>end</b> : Date	<b>Arbitrary number</b> of Projects.
<b>Project</b>	Concept for the projects in which a person has participated, that can be connected to a degree or just to the person.	<b>name</b> : String <b>description</b> : String	
<b>Publication</b>	Concept for the different publications of a person.	<b>name</b> : String <b>type</b> : String	
<b>Affiliation</b>	Affiliation concept that represents different roles in different institutions that the person has been employed in.	<b>role</b> : String <b>employer</b> : String <b>host_institution</b> : String <b>start</b> : Date <b>end</b> : Date	
<b>Affiliation Field</b>	Affiliation field concept which can have many affiliations of the same field referenced.	<b>field</b> : String	<b>Arbitrary number</b> of Affiliations

<b>Distinction</b>	Person distinctions.	<b>name:</b> String <b>date:</b> Date	
<b>Distinction Type</b>	Distinction type concept which can have many distinctions of the same type referenced.	<b>type:</b> String	<b>Arbitrary number</b> of Distinctions
<b>Activity</b>	Activity a person has participated in.	<b>role:</b> String <b>description:</b> String	
<b>Activity Type</b>	Activity type concept which can have many activities of the same type referenced.	<b>type:</b> String	<b>Arbitrary number</b> of Activities
<b>Technology</b>	Technologies a person has used and has some proficiency (1 to 5 scale) in.	<b>name:</b> String <b>proficiency:</b> Integer (*)	

\* - OCL Constraints applied on these attributes