

Code Lists - OOTS

Code lists give control over which values can be encoded for specific properties of the common data models developed under WP4. The constraints imposed by code lists facilitate semantic interoperability and help to scale up the automated processing & exchange of evidences. During the development of common data models, the editors of WP4 have identified together with experts from Member States existing code lists that can be reused as part of the common data models as well as identified the properties for which code lists should be created. The table below gives an overview of the potential candidates for code lists, categorizing them by scope, status and described property.

By default, code lists should follow the [SKOS principles](#), be published with persistent identifiers and management by an authoritative organisation, ideally the Publications Office

Once the discussions on the code lists will move into a more mature stage, Member States will have the possibility to either make use of the code lists directly or do a mapping exercise with their national code lists. In the latter case, SKOS, which stands for Simple Knowledge Organization System can be used. It is a common data model for sharing and linking knowledge organization systems via the Web. The [SKOS mapping properties](#) are skos:closeMatch, skos:exactMatch, skos:broadMatch, skos:narrowMatch and skos:relatedMatch. These properties are used to state mapping (alignment) links between (SKOS) concepts in different concept schemes, where the links are inherent in the meaning of the linked concepts.

The table below reflects work in progress and will be extended during the preparation of the implementation and the ongoing development of new common data models.

Scope	Code list	Status*	Described property	Comment
Secondary education completion evidence, birth evidence	Human Sex	Existing	sex	Missing non-binary genders
Tertiary education diploma evidence, record of results, tertiary education diploma supplement, secondary education completion evidence, vehicle registration evidence	Country	Existing	admin unit level 1	Missing stateless concept
Tertiary education diploma evidence, record of results, tertiary education diploma supplement, secondary education completion evidence, vehicle registration evidence	NUTS	Existing	admin unit level 2	Other alternative such as Administrative territorial unit type Named Authority List or Local Administrative Units . See GitHub

Tertiary education diploma evidence, record of results, tertiary education diploma supplement, secondary education completion evidence	Language	Existing	language, language of assessment, language of instruction, course language etc.	
Tertiary education diploma evidence, record of results, tertiary education diploma supplement, secondary education completion evidence, vehicle registration evidence, birth evidence, marriage evidence	Geonames	Existing	geographic identifier	
Marriage evidence	Marital status	Existing	marital status before marriage	Missing terms (see GitHub)
Vehicle registration evidence	N/A	To create	vehicle status	See GitHub
Vehicle registration evidence	N/A	To create	vehicle category	Directive 2007/46/EC (A. of Annex II)
Vehicle registration evidence	N/A	To create	environmental category	Directive 70/220/EEC (for positive-ignition engines) & directive 88/77/EEC (for diesel engines)
Vehicle registration evidence	N/A	To create	measurement methods for emission value	Method or procedure to measure the exhaust emission of a vehicle {WLTP, NEDC}
Vehicle registration evidence	N/A	To create	Fuel type or power source	Based on Eurostat , development of a simple code list containing the following values (petroleum products, diesel, alternative energy).

Tertiary education diploma evidence	IS CE D 20 11 le ve ls	To create	access to further study	
Tertiary education diploma evidence, tertiary education diploma supplement	IS CE D 20 11	To create	access requirements, qualification level	Or EQF?
record of results, tertiary education diploma supplement	IS CE D 20 13	To create	main field of study, course field study	Or EQF, European Science Vocabulary?
tertiary education diploma supplement	Le ar ni ng Ac tiv ity	Existin g	mode of learning	
Tertiary education diploma evidence, record of results, tertiary education diploma supplement	N/ A	To create	assessment type	Europass Standard List of Assessment Types
Tertiary education diploma evidence, record of results, tertiary education diploma supplement	N/ A	To create	mode of assessment	Europass Standard List of Modes Of Learning and Assessment
Tertiary education diploma evidence, record of results, tertiary education diploma supplement	N/ A	To create	status	E.g. passed, failed

*In the status column, there are two values. Either 'existing' or 'to create'. In the first instance, there is an existing code list that is proposed for reuse. In the second instance, there is - to our knowledge - no existing code list to be reused and therefore it calls for the creation of a new one. It must be noted that all code lists have been proposed, but they haven't been validated by the Member States.