

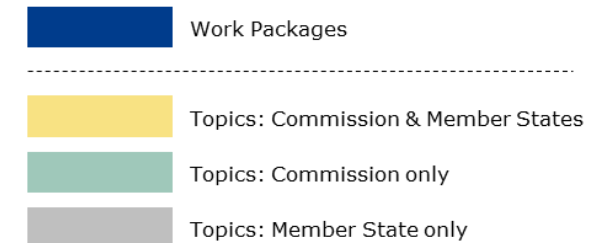
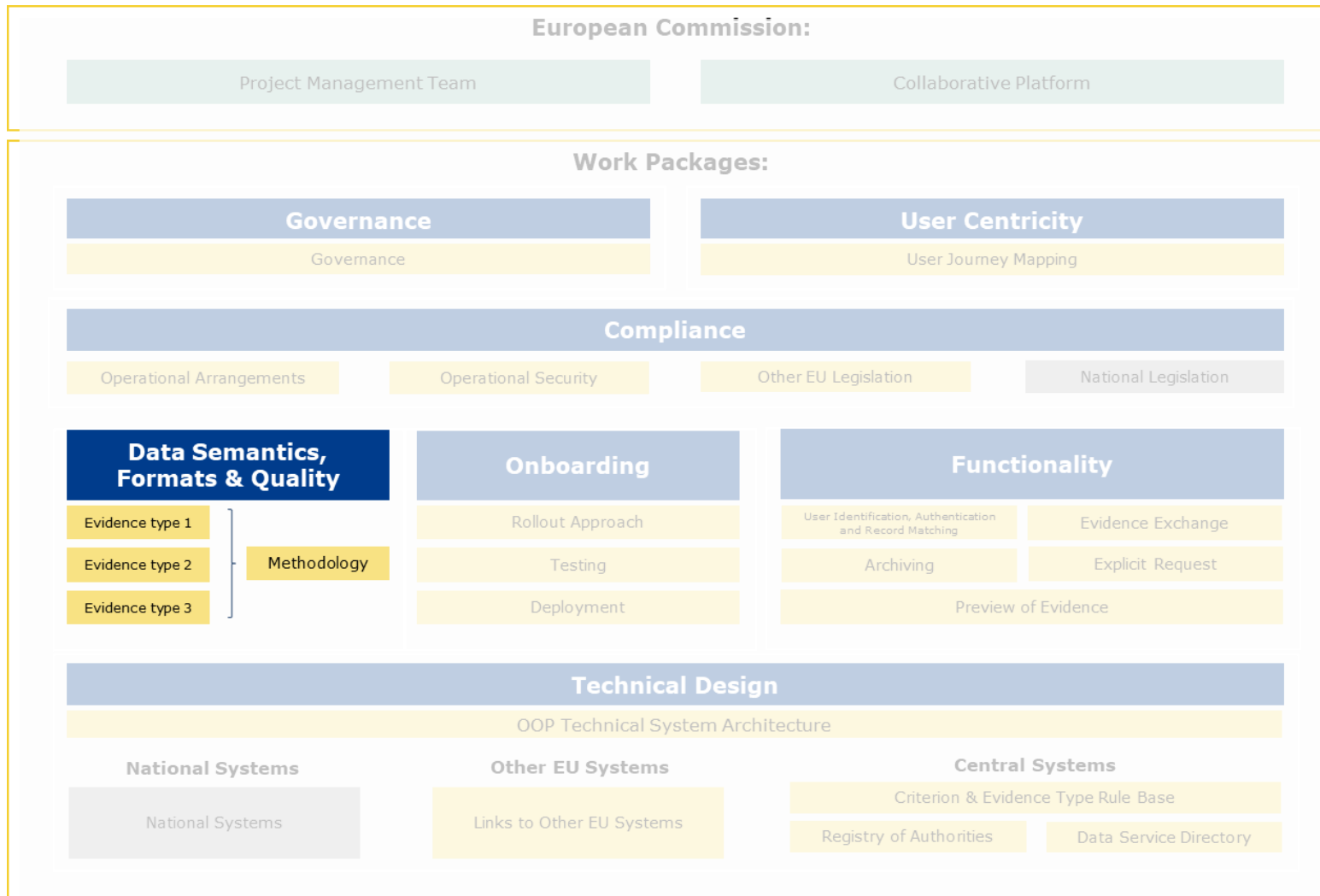


Educational credential services and SDG

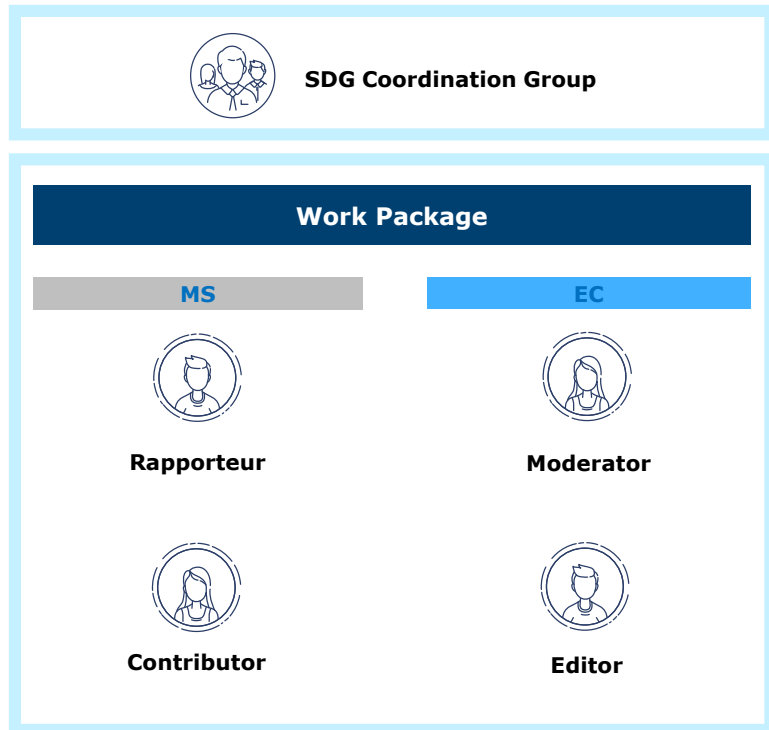
WP4 "Data semantics, formats and quality" – State of play

SDG – overall context

Phase 1 : April – end of September 2020



Roles and expectations



Role	Description	
<i>Rapporteur</i>	Collects input from Contributors, ensures that Contributors are aligned to the deadline of each deliverable in collaboration with the Moderator. Communicates with the other WPs.	Volunteer
<i>Contributor</i>	Contributes to deliverables and helps others to meet deadlines.	Member States
<i>Moderator</i>	Works with the Rapporteur to ensure that the objectives, deliverables and deadlines of the WP are well defined and followed-up. Communicates with other WPs.	Seth van Hooland and Miguel Alvarez Rodriguez
<i>Editor</i>	Leads the drafting of the deliverables by integrating the input from Contributors.	Makx Dekkers

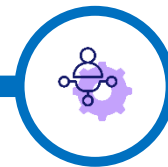
Starting Point

Preliminary study and conclusions



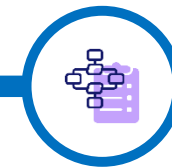
- 25 procedures in Article 14, including Directives 2005/36/EC, 2006/123/EC, 2014/24/EU and 2014/25/EU
- Study on Data Mapping for the cross border application of the Once-Only technical system SDG
- **List of 10 most relevant types of evidence**
- Semantic mapping & proposed common data models

Twofold objective



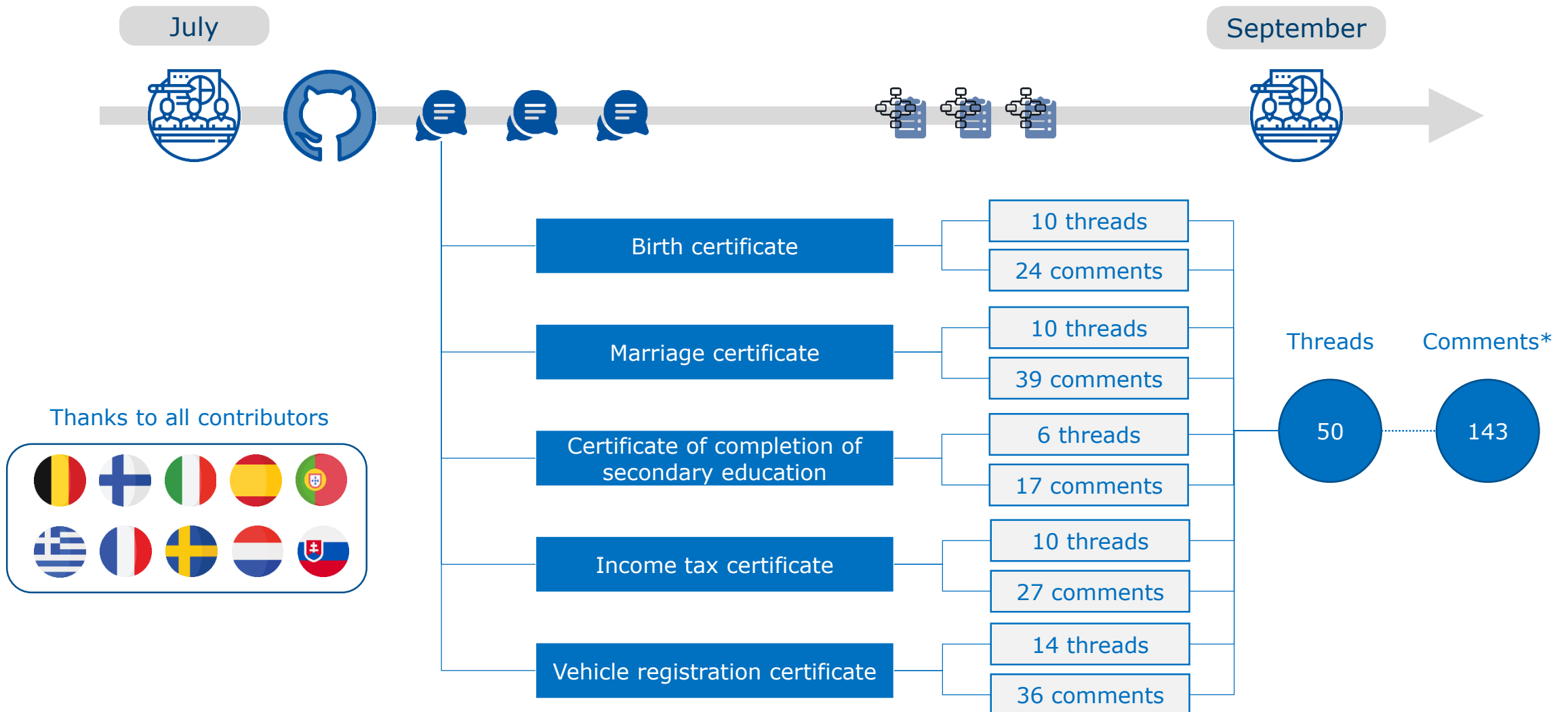
- For a selected set of evidence, the WP develops a set of **common data models** following an incremental or phased approach
- WP develops and tests a **methodology** for defining further common data models, formats and quality

Scope



- Common data model per evidence as well as data minimisation approaches
- Issues with **requirements** and **technical implementation** are discussed and coordinated with WP2 (context) and WP7 (evidence broker)

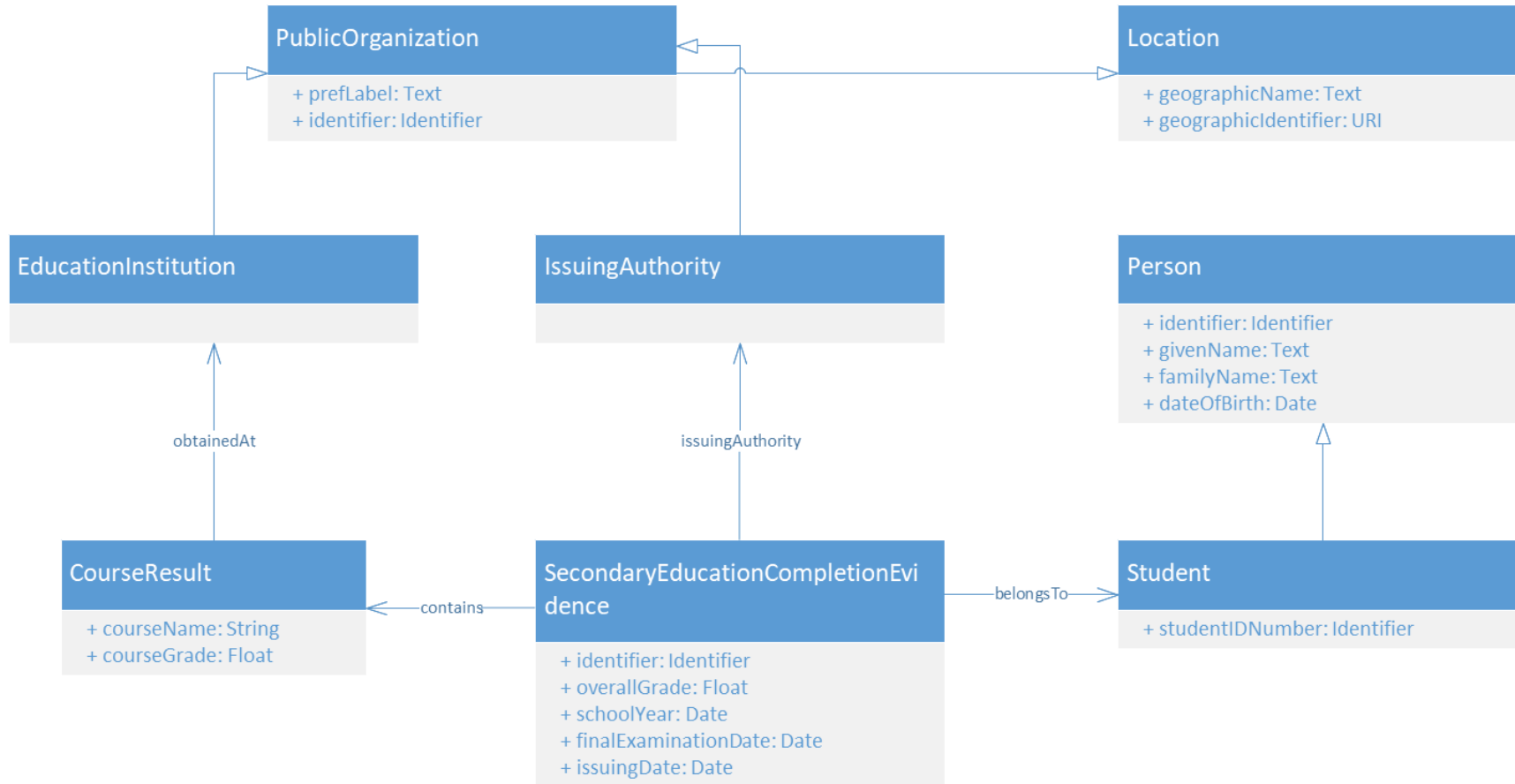
Input from MS



Thanks to all contributors



* Comments until the 26/08 were integrated in the presentation



Change log

- **CourseResult**; optional
- **SecondaryEducationCompletionEvidence.schoolYear**; addition optional
- **SecondaryEducationCompletionEvidence.finalExaminationDate**; addition optional
- **SecondaryEducationCompletionEvidence.issuingDate**; addition optional
- **PublicOrganisation.prefLabel**; text
- **Person.givenName**; text
- **Person.familyName**; text
- **Location**; Address removed, two attributes changed
- **SecondaryEducationCompletionEvidence**; naming

Controlled vocabularies

Type	Issue	Link	Status	Comment
Modelling	Why have Organisation sub-entities? Transform the classes EducationalInsitution and IssuingAuthority into relationships to align on other data models	#56	Won't fix	
Modelling	Refer the Educational Institution in the certificate entity		Input	Waiting for futher input
Modelling	Unclear how to model the CourseResults entity	#56	Proposal	Make CourseResults optional e.g. [0;1]
Attribute	courseName is identified nationally by other attributes		Input	Waiting for further input
Attribute	Education Insitution is identified by a code and the province where located	#42	Proposal	Make a relation between Organization and Location optional and add geographicName and geographicIdentifier attributes to the Location
Attribute	placeOfBirth is not included in some national certificates		Proposal	Remove placeOfBirth attribute
Attribute	Important dates are missing; Issuing date, date on which the final examination took place, the school year, the date of delivery of the certification	#54 #55 #56	Proposal	Proposal the following dates as optional
Attribute Cardinality	Cardinality of courseGrade should be relaxed		Proposal	Make courseGrade optional e.g. [0;1]
Expected type	overallGrade as a float is problematic	#54	Proposal	CEN standard
Information	EU Data models & Controlled vocabularies to be used		Proposal	N/A
Information	Type of secondary education; level 2 or level 3	#56	Clarification	The model corresponds to level 3

Next round of evidences

Proposed types of evidence

- Extract of criminal records
 - ECRIS domain model
 - Public document regulation
- Social security registration certificate
 - Regulations (EC) n° 883/2004 and 987/2009 on coordination of national social security systems
- University diploma
- University diploma supplement
- Records of results from previous academic year
 - Bologna process
 - Europass framework (DG EAC)
 - European Student Card

To be uploaded on GitHub by the week of the 25th of September – Review period starting in October



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