

Lessons Learned in Implementing Qualifications Databases

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How do Qualifications Databases support Qualifications Frameworks?

Functions of Qualifications Databases

Scaling Qualifications Databases Regionally

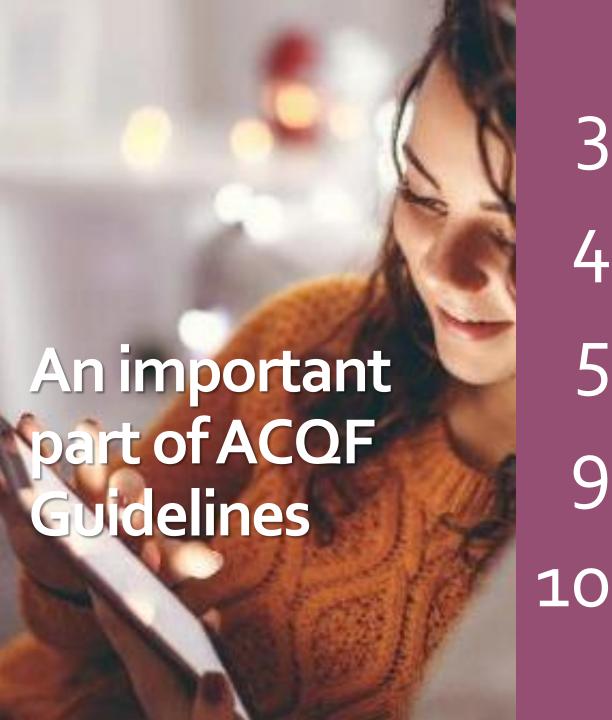
Agenda

Legal and Organisational Considerations

Lessons: Qualifications Databases work best as Open Data



How do Databases Support Qualifications Frameworks?



Referencing

The outcome of the referencing of NQFs to the ACQF is important to the process of registration of qualifications on the ACQF database of qualifications

Validation Recognition

Availability of qualification databases makes the process of validation and recognition of learning easier as they provide credible and reliable information on qualifications, NQFs and NQSs

Quality **Assurance** Support of transparent processes and procedures for registering qualifications on the NQF or for describing the place of qualifications in the NQS.

Innovation **Technology** Facilitates registration in databases of qualifications that are premised on technology such as micro-credentials.

Systemic view

Availability of NQFs and NQSs makes the process of registering qualifications easier as they provide credible and reliable information on nationally quality assured qualifications.

Provide users with information for study and career choices and management

Enhance mutual understanding, acceptability and recognition of qualifications

Purposes of Registration

Provide for smooth verification and evaluation of qualifications

Promote the quality of education and training provision

Enhance mobility and portability of qualifications



Transparency of information on qualifications

Enhances quality and recognition of qualifications

Facilitates mobility of learners and workers

Protecting learners, employers and the public from misrepresented qualifications

Deepens integration and harmonisation of qualifications among states;

Ease recognition and transfer of credits

Provides real time statistics of qualifications for decision making and policy development

Facilitates smooth verification and evaluation

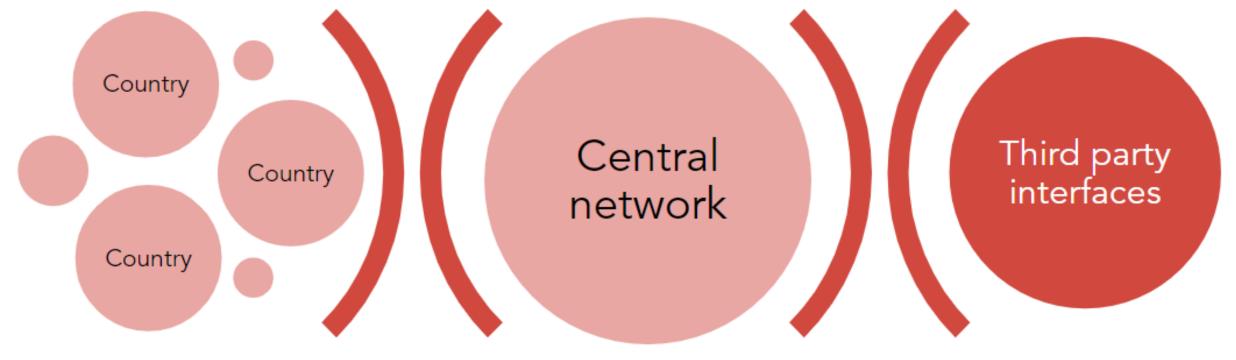






Qualification Databases increase Opportunities for Users of Qualifications

Scaling Qualifications Databases Regionally



Standardised National Databases

Qualifications Databases are better at Regional Scale

Lesson 1

Which is more powerful?

Search & Compare only locally



Search & Compare across a Region



Services offered by Qualifications Databases



eqar////

Register

Database

Knowledge base

News

About

Registration

Database

By institution

By report

Visualise data

Download data

Connect to API

Find out more

Synergies

Search

eqar.eu > Database > Search > By report > NCEQE: Accreditation of educational programmes

Cultural Studies (Modern Visual Culture and Media Communications), third cycle

LEPL - Apolon Kutateladze Academy of Arts

■ NCEQE: Accreditation of educational programmes

Cultural Studies (Modern Visual Culture and Media Programme

Communications)

PhD in Culturas Studies Qualification

Level third cycle

DEQAR Report ID 80680

National Center For Educational Quality Agency

Enhancement (NCEQE)

Type Accreditation of educational programmes

part of obligatory EQA system Status

Formal decision positive with conditions or restrictions

01/11/2022 Date

Valid until 31/12/2028

Discovery



Excusion Quality Qualifications

SAQA Home

[Registered Qual & Unit Std Home page] [Search Unit Standards]

Registered Qualification - Search Results

Searched system for medicine

efine search) (View as ta

Result: 1-8 of 8

SAQA has not yet received the content (such as purpose statements and outcomes) for the qualifications with the status "Registered-data under construction" or showing "DETAILS STILL UNDER CONSTRUCTION". As soon as the relevant source of the content submits it to SAQA, it will be possible to view these qualifications in full.

Title: Bachelor of Health Science in Radiography in Nuclear Medicine

ID: 91753

This is a Learning Programme

recorded against qualification: 66950 (Bachelor of Nuclear Medicine Radiography)

Pre-2009 NQF Level: Not Applicable NQF Level: NQF Level 08 ABET Band: Undefined

Qualification Type: National First Degree(Min 480)
Originator: University of Johannesburg

Field: Field 009 - Health Sciences and Social Services

NQF Sub-framework: HEQSF Min Credits: 486

Primary or Delegated QA Functionary: CHE - Council on Higher Education

Title: Bachelor of Medicine and Bachelor of Surgery

ID: 112488

Pre-2009 NQF Level: Not Applicable NQF Level: NQF Level 08 ABET Band: Undefined

Qualification Type: National First Degree(Min 480)

Originator: Nelson Mandela University

Field: Field 009 - Health Sciences and Social Services

NQF Sub-framework: HEQSF Min Credits: 930 Primary or Delegated QA Functionary:

Title: Bachelor of Nuclear Medicine Radiography

ID: 66950

Pre-2009 NQF Level: Level 7 NQF Level: NQF Level 08 ABET Band: Undefined

Qualification Type: National First Degree(Min 480)

Originator: Task Team - Radiography and Clinical Technology Field: Field 009 - Health Sciences and Social Services

NQF Sub-framework: HEQSF

Min Credits: 480

Primary or Delegated QA. The individual Primary or Delegated Quality Assurance Functionary for each Learning Programme recorded against this qualification is shown in the table at Functionary: the end of the qualification report

Title: Bachelor of Science Honours in Hyperbaric Medicine

ID: 115960

This is a Learning Programme

recorded against qualification: 19659 (Bachelor of Science Honours in Medical Sciences)

Pre-2009 NQF Level: Not Applicable
NQF Level: NQF Level 08
ABET Band: Undefined
Qualification Type: Honours Degree
Originator: Stellenbosch University
Field: Field 009 - Health Sciences and Social Services

NQF Sub-framework: HEQSF

Min Credits: 120
Primary or Delegated QA
Functionary:

Comparison

Higher Technician's Certificate (BTS)

"Higher Technician in Hospitality with **Accommodation Option**"

The Higher Technician in Hospitality with a focus on accommodation aims to ensure a smooth and efficient operation of accommodation services in an establishment (floors, reception) while ensuring compliance with standards, policies and procedures in force, in accordance with the quality approach aimed (...)

Read more v

Hotel Accommodation Technician

Planning and executing the activities of the reception service and floors in hotels, in order to guarantee a quality service and customer satisfaction.

Similarity level

No similarity 🔲 🔲 🔲

| Key information | | | |
|-----------------------|--|----------------------|--------|
| Country | Tunisia | Portugal | |
| Language | French | Portuguese | |
| ISCED level | 4 | 3 | |
| EQF | | | |
| ISCED-F | - Hotels and tourism - Hotels and restaurants | | |
| Workload | 2437 hours | 126.00 credit points | |
| Entry requirements | The Higher Technician Diploma in Hospitality with a focus on accommodation is available to high school graduates in all fields and to holders of the Professional Technician Certificate who have passed the entrance exam organized by competent institutions in the following specialities or refer to the list of | | Q Q 88 |

LEARNING OUTCOMES

in Made in InVision

Learning

outcomes

bridges between specialities: · BTP reception and front desk · BTP floors and laundry

The qualification is composed of 2 competency

- · Manage the reception service
- · Manage the housekeeping service
- · UC00038 Provide information on the tourism sector
 - · UC00039 Implement the rules of safety and health at work in hotels and restaurants
 - · UC00040 Serve the customer at the hotel reception desk

Screens (10 of 19)

- · UC00041 Make and manage reservations at the hotel unit · UC00042 - Plan and execute cleaning and
- tidiness of the customer area of a hotel unit
- · UC00043 Plan and execute cleaning and tidying up of public and internal areas of the

hotel unit Read more

Relations

- ESCO skills supervise staff
 - · deal with arrivals in accommodation
 - · deal with departures in accommodation
 - · manage difficult clients
 - satisfy customers
 - communicate with customers

 - Read more v
 - Supervising staff and the working
- · monitor work for special events · Assess cleanliness of areas

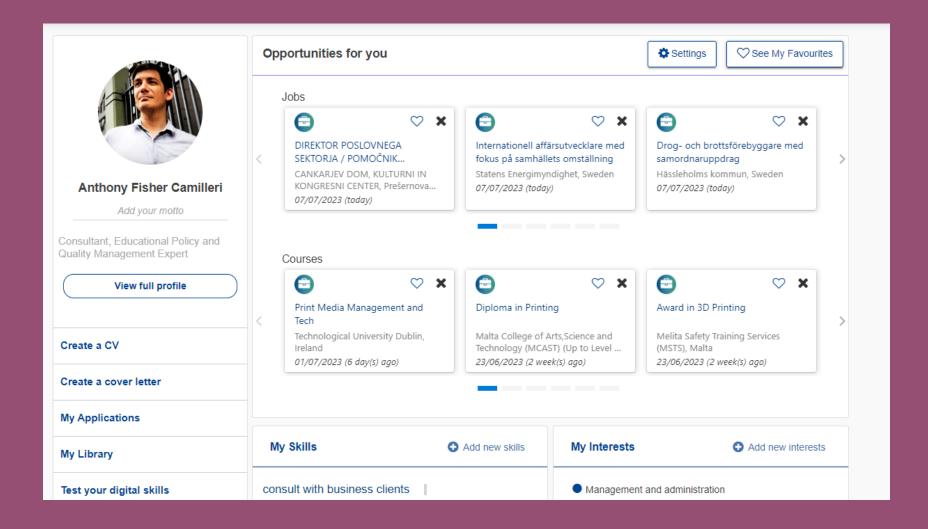
· maintain incident reporting records

· hotel operations

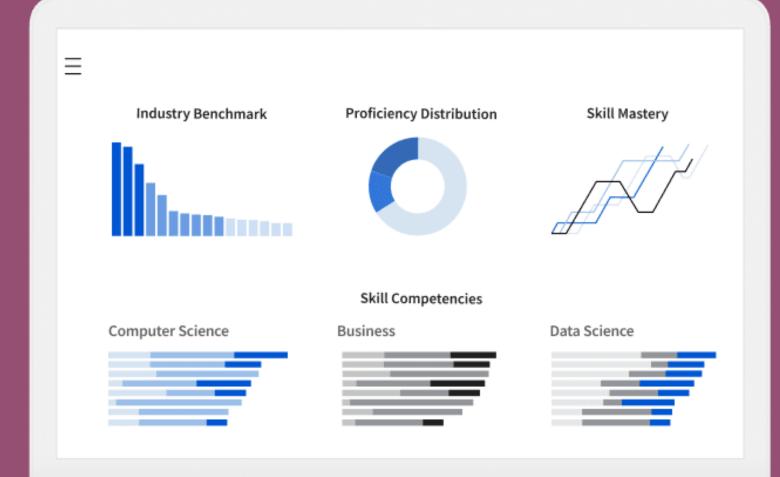
manage logistics

- Carry out the reservation operations of the

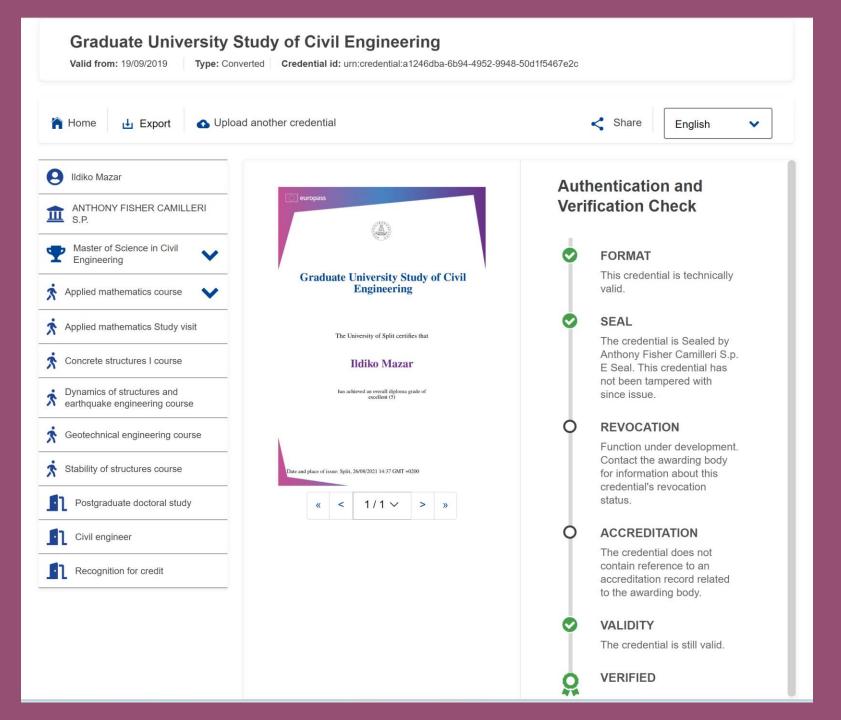
Guidance



Intelligence

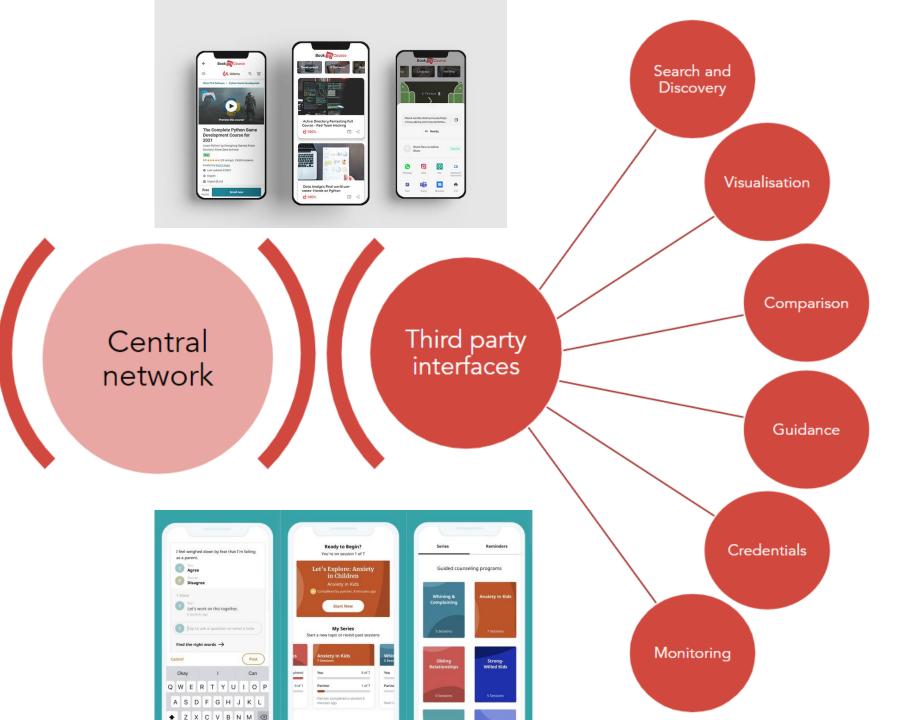


Credentials



Create a Public-Private Mix of Qualifications Services

Lesson 2



Country

Country

Standardised National Databases

Country

Regulatory and Organisational Considerations



Set up Legal & Organisational Structures in tandem with IT

Lesson 3

Aspects of Interoperability







Organisational Interoperability



Semantic Interoperability



Technical Interoperability

DEVELOPING INITIAL **MATURE FOCUS Data Collection on Qualifications Discovery of Qualifications Qualifications Intelligence** Browse and Search Automated Comparios of Qualifications Database Collection of information on Qualifications **-EATURES** qualifications from providers View Information on or from licencing / Suggestion of Similar Qualifications Qualifications accreditation bodies in a standardised format Export / Share Information on Monitoring of Trends in Qualifications Qualifications Development Transparency and Visibility of POLICY IMPACT / SERVICE Better guidance services for Standarsdisation improves Qualifications: students, better ability to quality of qualification benchmark for qualification Allows for practice sharing standards. between qualification creators creator. Collection of data gives national Allows users to discover new Public authorities can measure overview of qualifications supply. qualifications impact of government policies and qualification development. Allows users to discover new qualifications Increasing Coverage **Increasing Data Quality** Frequency of Updates

Phases of Development of Qualification Databases

Legislate Data Collection & Publication

Lesson 4

Regulation Required

Working Qualifications Framework to define content

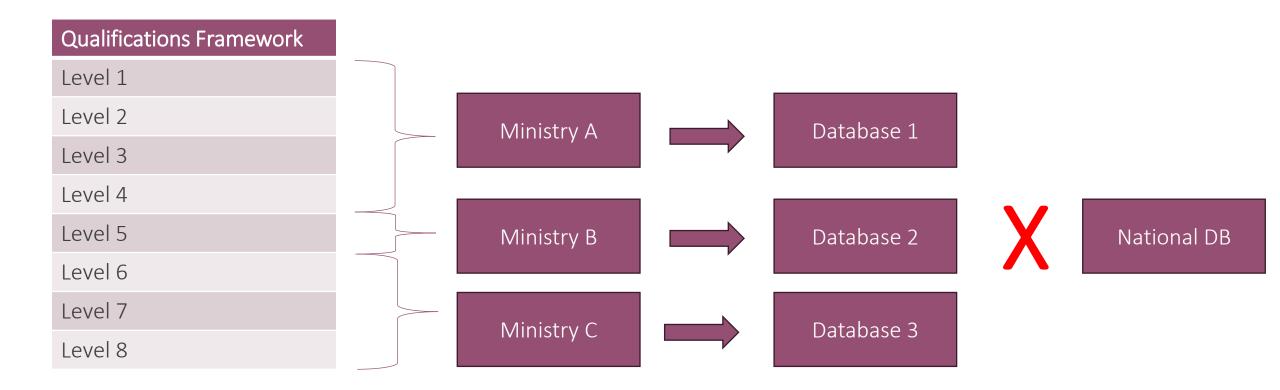
Mandate for Real-Time Data Provision from Qualification Providers

Establishment of Database as Authentic Source of Data

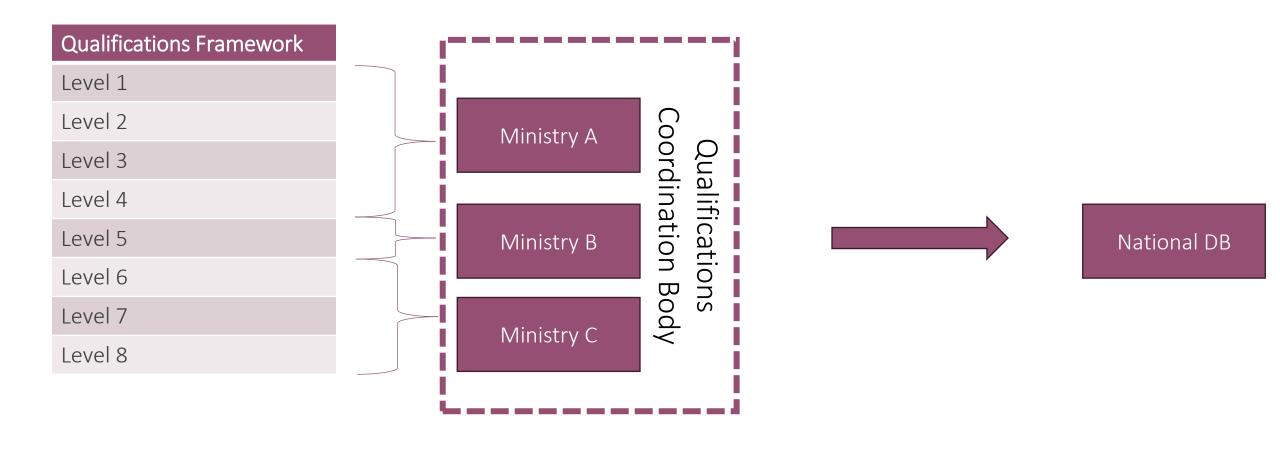


Centralise Management of Qualifications Frameworks (and Databases)

Lesson 5

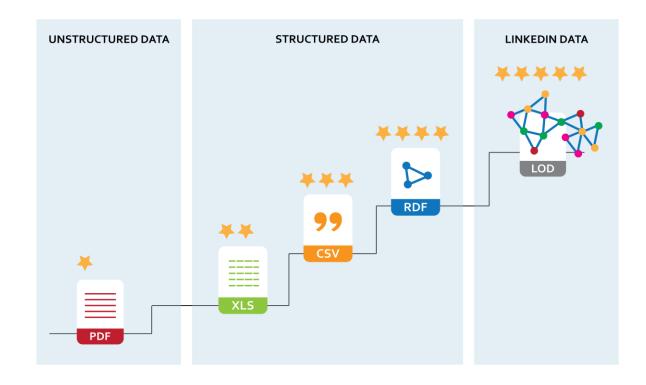


A typical but inefficient practice



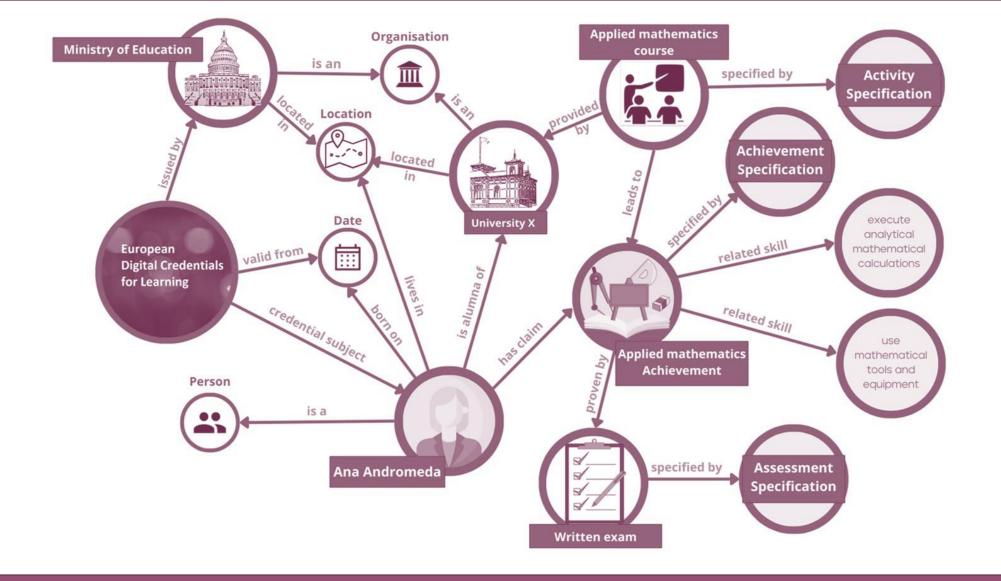
A better way

Importance of Open Data



Linked Open Data

- Linked Open Data gives context to data
 - different databases record the same data in the same way using open standards
 - concepts in one database are linked to concepts in another database



Knowledge Graphs

Use a Common Data Model based on Linked Data

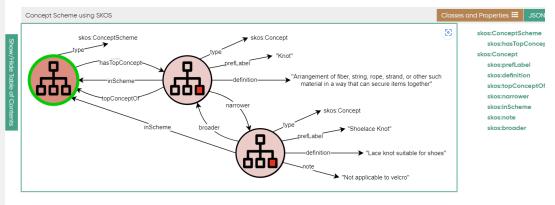
Lesson 6

• Language Maps: Examples on this page and data in the Credential Registry uses the compact form of language maps where the value of language-dependent properties si "description" is an object with one or more key-value pairs consisting of a BCP 47 language code key and a value that is either a string or an array of strings. For example: { "ceterms:name": { "en": "Credential Name" }, "ceterms:keyword": { "en": ["keyword one", "keyword two"] } } . See "Indexing language-tagged strings in JSON-LD" CTDL) Schema 2.1.5. Concept Schemes for Controlled Vocabularies

Where the value for a property is to be drawn from an enumeration of predefined terms (i.e. a controlled vocabulary) these terms are defined using the W3C Simple Knowledge C

(SKOS) vocabulary, SKOS allows Concepts to be identified with terms (such as words or alphanumeric codes), defined, labeled, related to each other and collected in schemes (i.e. CTDL defines many such enumerations or schemes, each in its own namespace. The URIs for CTDL concept scheme namespaces all begin https://purl.org/ctdl/vocabs/, which is f the concept scheme. The name of the term appended to the concept scheme URI gives a unique URI for the term that can be resolved to obtain all the encoded information abo

For historic reasons, a common pattern in CTDL is for properties that take a value from controlled vocabulary do so with that value provided as a Credential Alianment Object. The definition and a source for the term to be provided even where the concept term is not defined using SKOS; however for a few properties the SKOS vocabulary is used to do the



2.1.6. Primary and Secondary Classes

- Standardisation & Interoperability
- Improved Data Quality
- Increased Efficiency
- Enhanced Collaboration and **Decision Making**

Steps towards a Common Data Model

- Identify an International Standard to Align
- Create a national model based on the standard
- Integrate the national model into business processes
- Integrate the business processes into IT Tools

Questions

Find Out More

www.cogni.zone
www.knowledgeinnovation.eu



