

## FRAMEWORK FOR CONCEIVING MATCHING MATRICES

### 1. WHAT IS A *MATCHING MATRIX*?

A *matching matrix* is an instrument that shows the common units of learning outcome between different countries for a given qualification. It is the result of the study and comparison of all components that composes the units of learning outcome, between countries.

Units of Learning Outcome should be described in accordance with a common conceptual framework in order to allow a reciprocal understanding of the qualification and allow to an objective comparison between countries' qualifications.

Within the context of the Project *EURspace*, *units of learning outcome* are understood as a coherent set of knowledge, skills and competences needed to prove a given key technical outcome or to perform key tasks. *Learning outcomes* are interconnected in a coherent, comprehensible and logical set of *key technical outcomes*, which should result in observable and verifiable *outputs*.

### 2. THE MATCHING PROCESS

Only common Units of Learning Outcome will be considered for the *Matching Matrices*. If there are common Learning Outcomes, but if they are not grouped into common Units of Learning Outcome, they will not be considered. Similarly, parts of Units of Learning Outcome will also not be considered. Only if the entire Unit of Learning Outcome matches, the unit will be considered for the elaboration of the Matrix.

Only common units among at least 3 countries will be considered for the matching matrices of the Pilot Project.

The concept of the *Matching Matrix* was developed in the context of the implementation of the *EURspace* Pilot Project. It takes part of the methodology of the Pilot Project carried out.

The *matching process* is a methodological approach consisting of the comparison of the components contained in the units of learning outcome, resulting in an instrument that represents the match of common key technical outcomes, learning outcomes and outputs.

It is assumed that a common set of knowledge, skills and competence are needed to perform a set of key technical outcomes and to carry out a set of outputs, which are characterized by being observable and evaluable, based on a set of performance criteria.

**Match means** that the qualification of the country has a unit of learning outcome composed by a set of key technical outcomes, learning outcomes (knowledge, skills and competence) and outputs, which are equivalent to the components of a unit of learning outcome in another country.

Comparatively to what exists in another country, **No Match means** that the qualification of the country doesn't have a unit of learning outcome composed of equivalent key technical outcomes, learning outcomes (knowledge, skills and competence) and outputs.

Table 1 presents a checklist with the components that should be taken into account in the *matching process*.

Table 1: Checklist to support the matching process.

What should be taken into account in the Matching Process?	Checklist Yes/No
➤ Equivalent Key technical outcome	
➤ Equivalent Knowledge Level of depth dimension Level of breath dimension	
➤ Equivalent Skills Level of depth dimension Level of breath dimensions	
➤ Equivalent Competence Level of dexterity Level of autonomy, responsibility, creativity and other soft skills required	
➤ Equivalent Performance Criteria Level of performance required for evaluation	
➤ Equivalent Outputs	

### 3. THE MATCHING MATRIX

#### Qualification

#### EQF Level

Countries involved in the Matrix      PT      ES      IT      FR      LT      RO      TR

#### Themes and Subthemes of the Units of Learning Outcome

##### Theme

Subtheme

Subtheme

Subtheme

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

##### Theme

Subtheme

Subtheme

Subtheme

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

##### Theme

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##### Theme

Subtheme

Subtheme

Subtheme

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

#### Legend



Match

No Match

#### 4. EXAMPLE OF A FINISHED *MATCHING MATRIX*

##### MATCHING MATRIX

**Qualification**

Cookery

**EQF Level**

III; IV

**Countries involved in the Matrix**

PT ES IT FR LT RO TR

##### Themes of the Units of Learning Outcome

###### Hygiene / Quality

Occupational Safety and Hygiene

Food Safety and Hygiene

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

###### Kitchen Organization

Kitchen Organization

Raw Material

Supplies / Stocks

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

###### Pre-prepared Products

Sauces

Dough

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

###### Entrées / Starters

Entrées / Starters

PT	ES	IT	FR	LT	RO	TR
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###### Soups

Soups

PT	ES	IT	FR	LT	RO	TR
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###### Dishes

Meat, Poultry, Game

Fish, Seafood

Pasta

Salads

Eggs

Garnishes

PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR
PT	ES	IT	FR	LT	RO	TR

###### Desserts

Desserts

PT	ES	IT	FR	LT	RO	TR
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##### Legend

	Match
	No Match

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<http://www.ecvet-toolkit.eu/>

## ANNEX I – TECHNICAL SHEET

- 1- This framework **aims to provide**:
  - a. a definition of a *Matching Matrix* – within the context of the Project *EURspace*;
  - b. an explanation of the *Matching Process* – within the context of the Project *EURspace*;
  - c. an exemplification on the elaboration of a *Matching Matrix*.
- 2- This framework is intended **to be used** in determining:
  - a. the common Units of Learning Outcome for a given qualification between different countries.
- 3- This framework is intended **for the use of** schools, public bodies and other private enterprises who participate in European mobility projects.
- 4- This framework is intended **to be applied** in the context of ECVET implementation, specifically, to prepare the recognition process before a European mobility for VET learners take place.
- 5- **Phase and Stage of the Pedagogical Circuit** in which the Framework **should be used**:
  - Phase 1: Before Mobility**
  - Stage 2: Preparing the Recognition Process**