



# **An illustration of ESCO mapping methodology with a particular focus on occupations**

*ESCO workshop  
14 May 2019  
Brussels*

## Outline of the section

1. Types of mapping relations
2. Sample of mapping cases
3. Occupations vs. skills mapping
4. Principles and recommendations

# Types of mapping relations

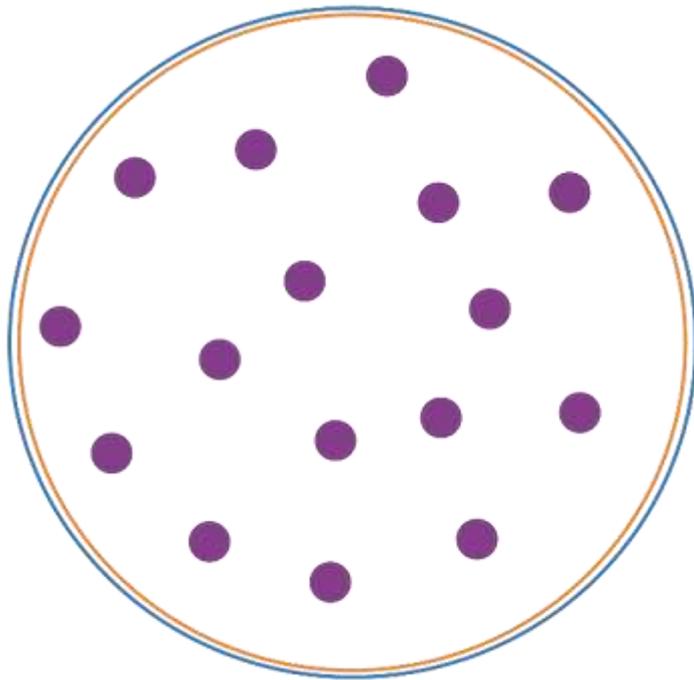
- Exact match
- More general than
- More specific than
- Close match

## Exact match (occupations)

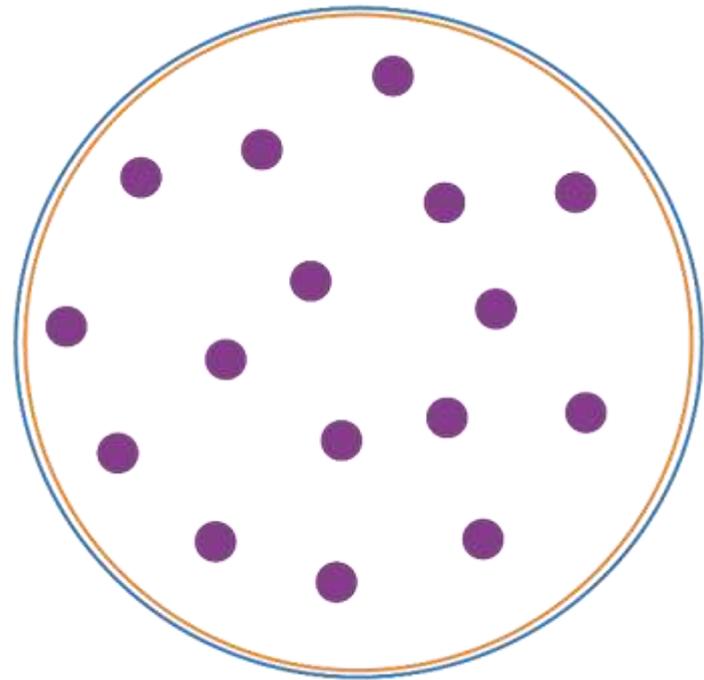
A concept in a NOC covers the same scope as a concept in ESCO v1 and vice versa.

Occupations		
NOC	Relation	ESCO
Autopsist	Exact match	Coroner
Bakery worker	Exact match	Baking operator

## Exact match (occupations)



Autopsist  
Coroner



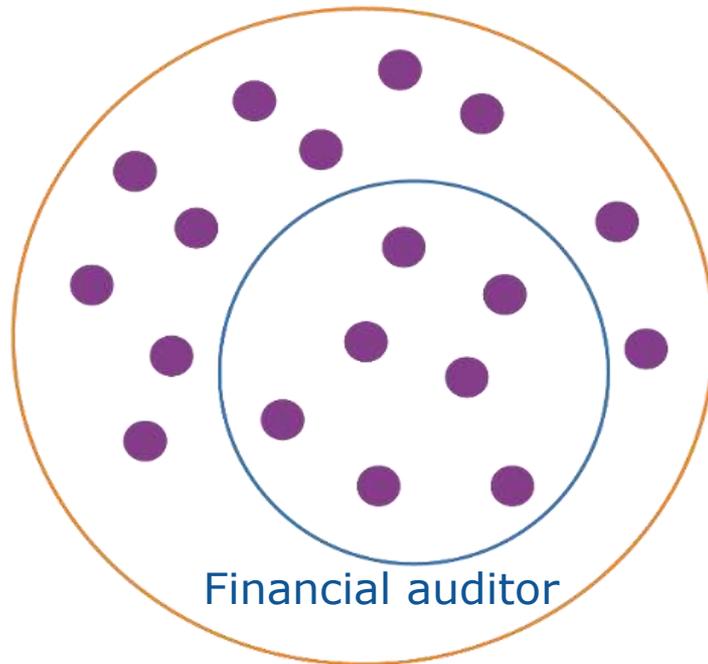
Bakery worker  
Bakery operator

## More general than (occupations)

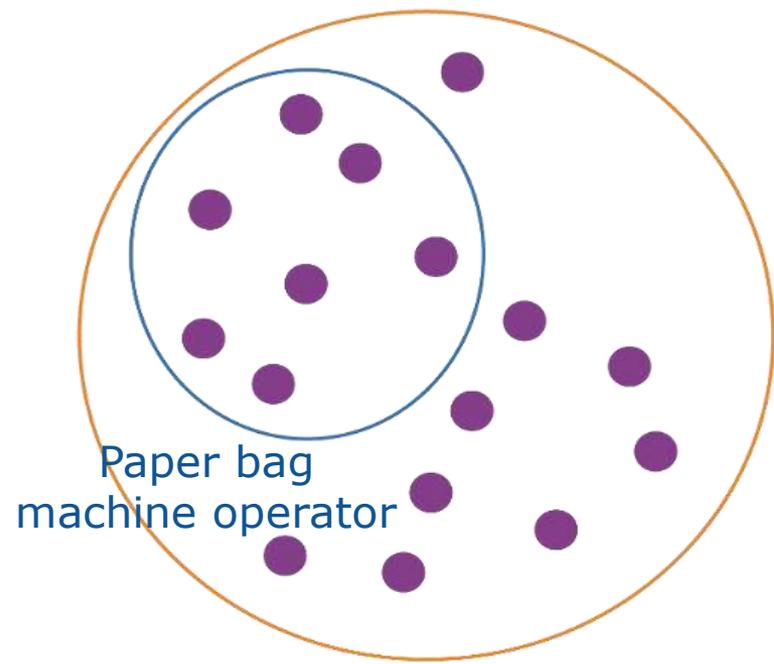
A concept in a NOC is more general than a concept in ESCO v1, as it covers its full scope and more.

Occupations		
NOC	Relation	ESCO
Auditor	More general than	Financial auditor
Bag maker	More general than	Paper bag machine operator

# More general than (occupations)



Auditor



Bag maker

## More specific than (occupations)

A concept in a NOC is more specific than a concept in ESCO v1, as it covers only a fraction of its scope.

### Occupations

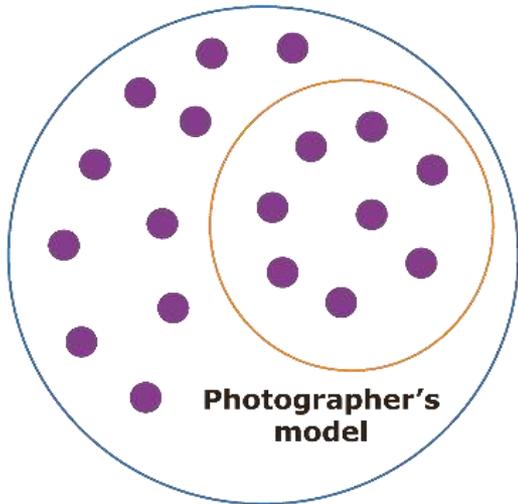
<b>NOC</b>	<b>Relation</b>	<b>ESCO</b>
Authorised translator	More specific than	Translator
Bridge engineer	More specific than	Construction engineer

# Close match (occupations)

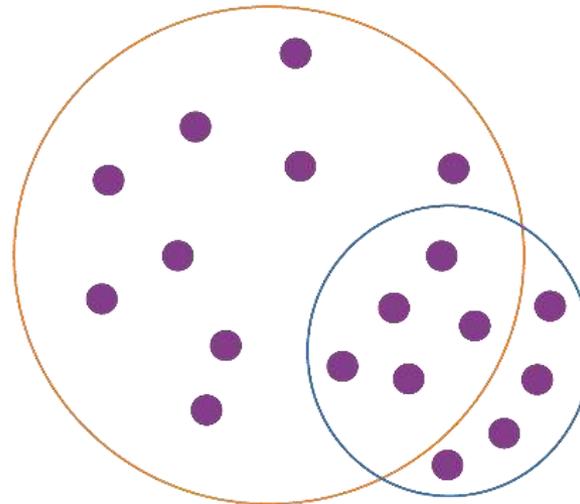
Occupations		
NOC	Relation	ESCO
Photographer's model	Close match	Art model
Photographer's model	Close match	Fashion model
Photographer's model	More specific than	ISCO unit group: 5241 Fashion and other models

# Close match (occupations)

5241 Fashion and other models

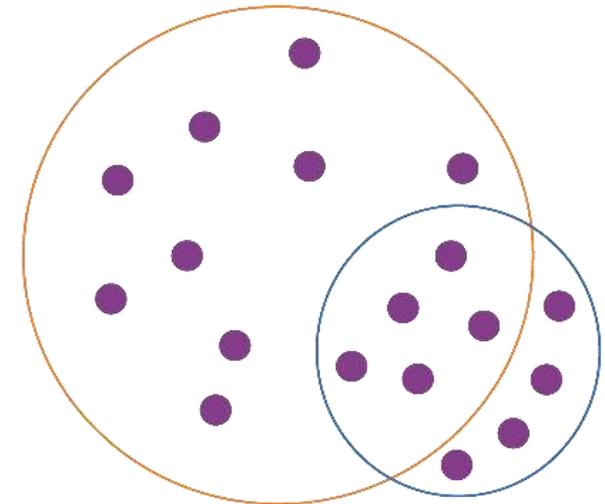


Photographer's model



Fashion model

Photographer's model



Art model

# Occupations vs. skills mapping

Occupations	Skills
<p>Bi-directional and complete mapping. When no equivalent concept in ESCO, map to ISCO.</p>	<p>Bi-directional but NOT (necessarily) complete mapping:</p> <ul style="list-style-type: none"><li>• No complete coverage of skills in ESCO;</li><li>• A skill in ESCO does not necessarily have a broader;</li><li>• Less similarity between skill classifications than between occupation classifications.</li></ul>

# Principles and recommendations

1. Take into consideration various metadata (e.g. descriptions, skills related to the occupation). Do not rely solely on the preferred terms.

# Principle 1: example

Classification A	Description	Relation	Classification B	Description
<b>Conductor</b>	They lead musical groups such as orchestras and bands during live performances or recording sessions. [...]	Exact match	Conductor	Music conductors, or maestros, who lead orchestras and [...]
<b>Conductor</b>	They lead musical groups such as orchestras and bands during live performances or recording sessions. [...]	No match	Conductor	A conductor is an occupation in the transport sector, mainly related to train and bus operation.

# Principles and recommendations

1. Take into consideration various metadata (e.g. descriptions, skills related to the occupation). Do not rely solely on the preferred terms.
2. Use ISCO-08 as a common denominator to identify equivalent occupations.

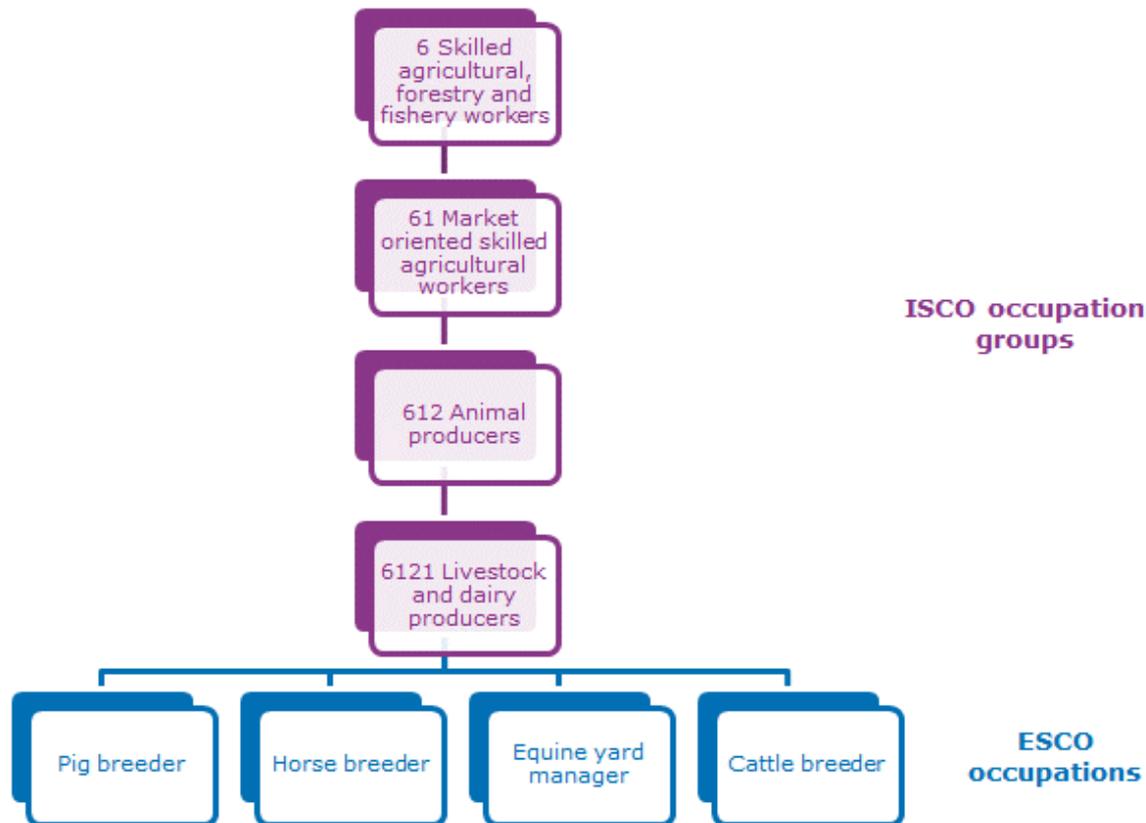
## Principle 2: example

ESCO occupation	ISCO-08 unit group
Night auditor	4226 Receptionists (general)
NOC occupation	ISCO-08 unit group
Night auditor	4224 Hotel receptionists

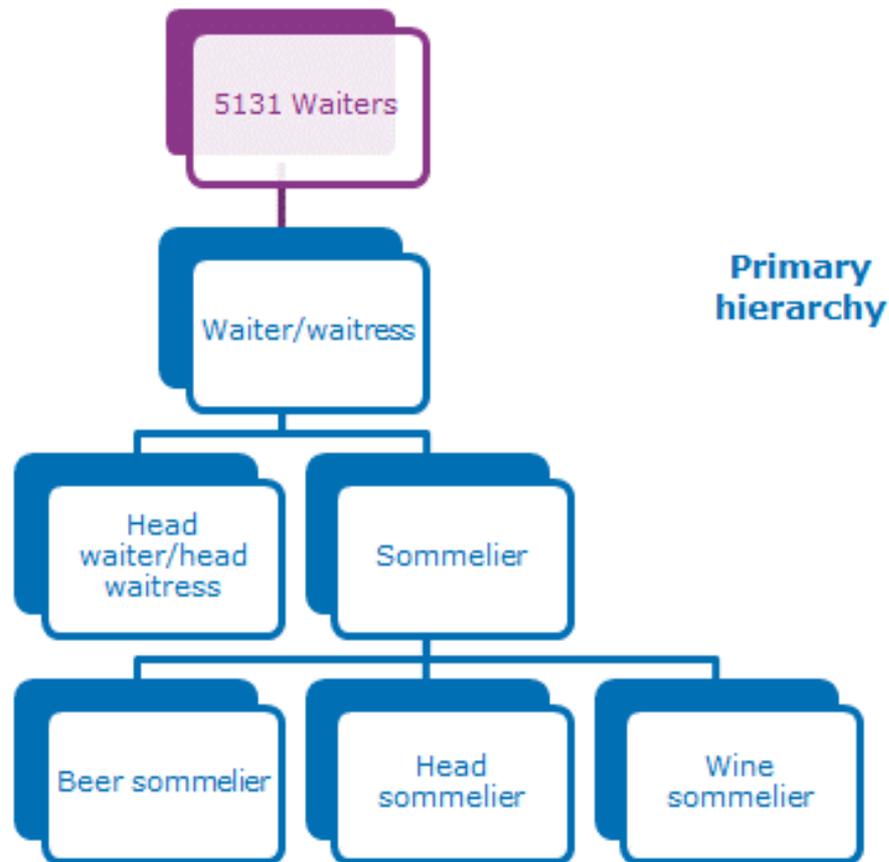
# Principles and recommendations

1. Take into consideration various metadata (e.g. descriptions, skills related to the occupation). Do not rely solely on the preferred terms.
2. Use ISCO-08 as a common denominator to identify equivalent occupations.
3. Map to the most relevant level of the ESCO tree.

# Principle 3: hierarchical structure of ESCO occupations



# Principle 3: example



# Principles and recommendations

1. Take into consideration various metadata (e.g. descriptions, skills related to the occupation). Do not rely solely on the preferred terms.
2. Use ISCO-08 as a common denominator to identify equivalent occupations.
3. Map to the most relevant level of the ESCO tree.
4. When mapping, display ESCO in your own language and use the English version (or another language) as an extra.



# ESCO Helpdesk

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European  
Commission

# Q&A

# Bi-directional mapping

