



Lifelong  
Learning  
Programme



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**Annual Event 2014**  
**Malta**  
**26-27 June 2014**



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# Annual Event 2014

## Malta

### LIFELONG LEARNING WORKSHOP

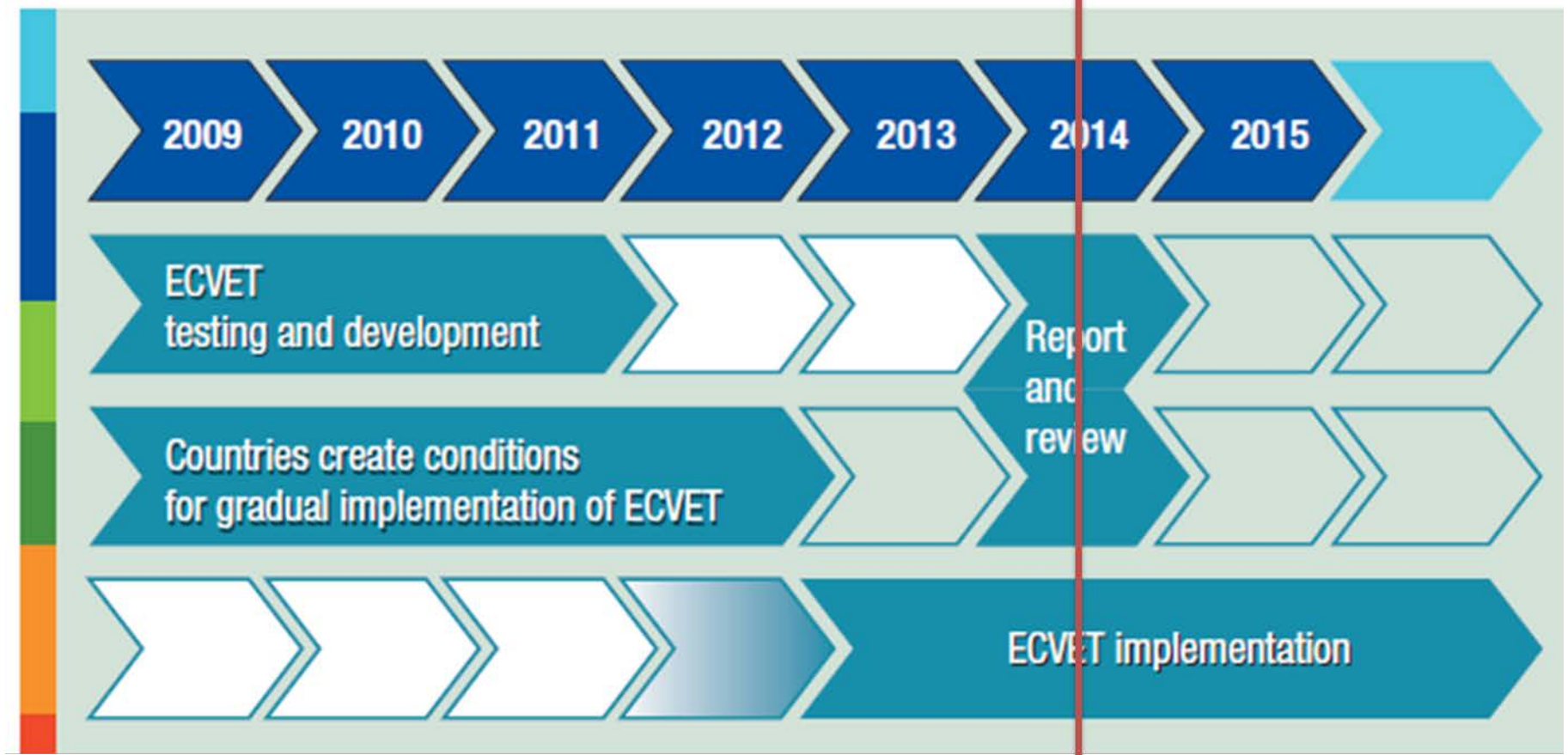
26 June 2014



Lifelong  
Learning  
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- **ECVET, ECTS, the ESCO initiative and its use of Learning Outcomes**

**Margaret Eleftheriou**  
**AQUALEX Multimedia Consortium Ltd**  
**Ireland**



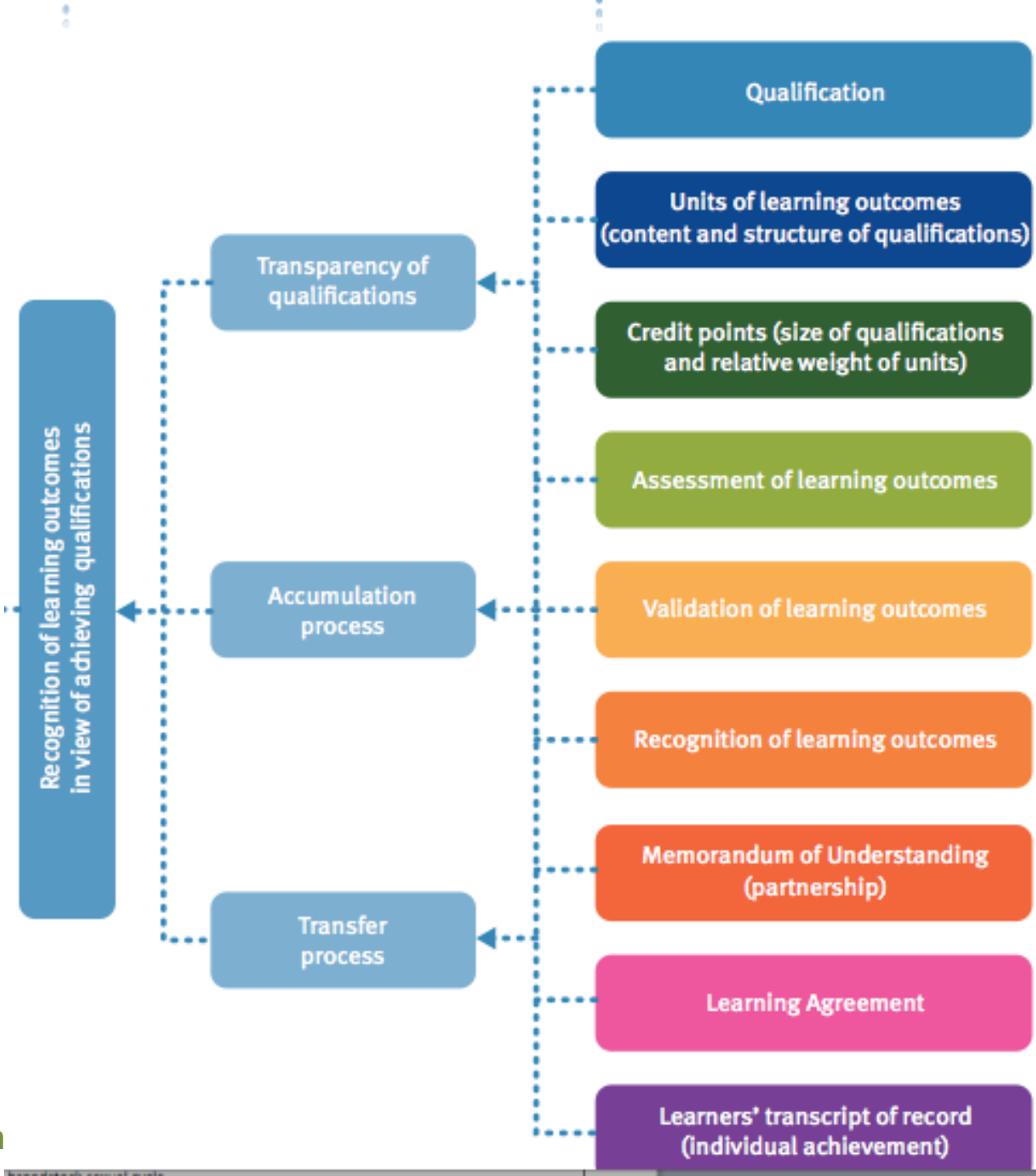
MAY, 2014

## ECVET Recommendations

Learning Outcome Unit must have:

- Title
- EQF level
- ECVET points
- Learning outcomes
- Procedure and criteria of assessment

If possible, convert ECVET to ECTS (HE)



ECVET's unit of learning outcomes

can be assessed in one setting and transferred to another.

## The use of ECVET for lifelong learning:

- **ALWAYS** depends on the rules and practices in the **NATIONAL** qualifications system concerned.
- **MUST** be underpinned by partnerships and communities of practice
- either **NATIONAL** to support lifelong learning within a country
- Or **INTERNATIONAL** to support mobility and lifelong learning across countries.



# Partnerships formalised through MOU MEMORANDA OF UNDERSTANDING

Pathway created by credit transfer and accumulation  
used by a larger number of learners so as to avoid each  
case needing to be examined on an individual basis.

***Changing the pathway and qualification within the same qualification system:***

Transferring and accumulating credit within the same qualification system and at the same level, from one qualification and pathway to another (for example, from a qualification in one economic sector to a qualification in a related economic sector);

***Formalising achieved learning outcomes:***

Validating and recognising learning outcomes

achieved in non-formal or informal learning towards

a qualification in a formal qualifications system;

***Progressing or upgrading a qualification:***

Transferring and accumulating credit from a qualification at one level towards a qualification at another level

(e.g., from a post-secondary VET qualification towards a qualification in the same field in higher education).



# WHAT IS ESCO?

LIFELONG LEARNING WORKSHOP

1. A multilingual classification of European Skills Competences, qualifications & Occupations
2. Solution to match CV's to vacancies on European scale
3. Simple, open, flexible and available free of charge
4. Multilingual: available in 22 languages



# Introduction

- Europe 2020
  - “Common language between education/training and the world of work”
  - Skills: sectoral +transversal skills / competences
  - Qualifications: Shift to learning outcomes
- ESCO aims to bridge the gaps between education and employment

## **Objective:**

**Multilingual, easy-to-use terminology  
of skills / competences, qualifications and  
occupations**

**To meet practical needs**

**To be up-to-date**

**Bottom – up approach through active  
involvement of all stakeholders**

# Reference groups NOW 28

<b>Establishing RGs</b>	<b>Set up in 2011</b>	<b>1</b>	<b>Agriculture, Forestry, Fishery + aquaculture</b>
		<b>2</b>	<b>Hospitality and tourism</b>
	<b>Set up in second half 2012</b>	<b>3</b>	<b>Human health and social work activities</b>
		<b>4</b>	<b>Manufacturing of textile, apparel, leather and related products</b>
		<b>5</b>	<b>Wholesale, retail trade and rental and leasing</b>
		<b>6</b>	<b>Veterinarians</b>
	<b>Set up in first half 2013</b>	<b>7</b>	<b>Manufacturing of food, beverages and tobacco</b>
		<b>8</b>	<b>Mining &amp; heavy industry</b>
		<b>9</b>	<b>Transportation and storage</b>
		<b>10</b>	<b>Arts, entertainment and recreation</b>

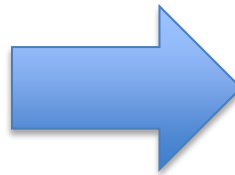




# Development of ESCO

## ESCO v0

- X** Upgrade to ISCO-08
- Import of transversal skills/competences
- Skills/competences structure based on 28 Reference groups
- **Direct inclusion of a sample of qualifications**
- Release in 2013



## ESCO v1

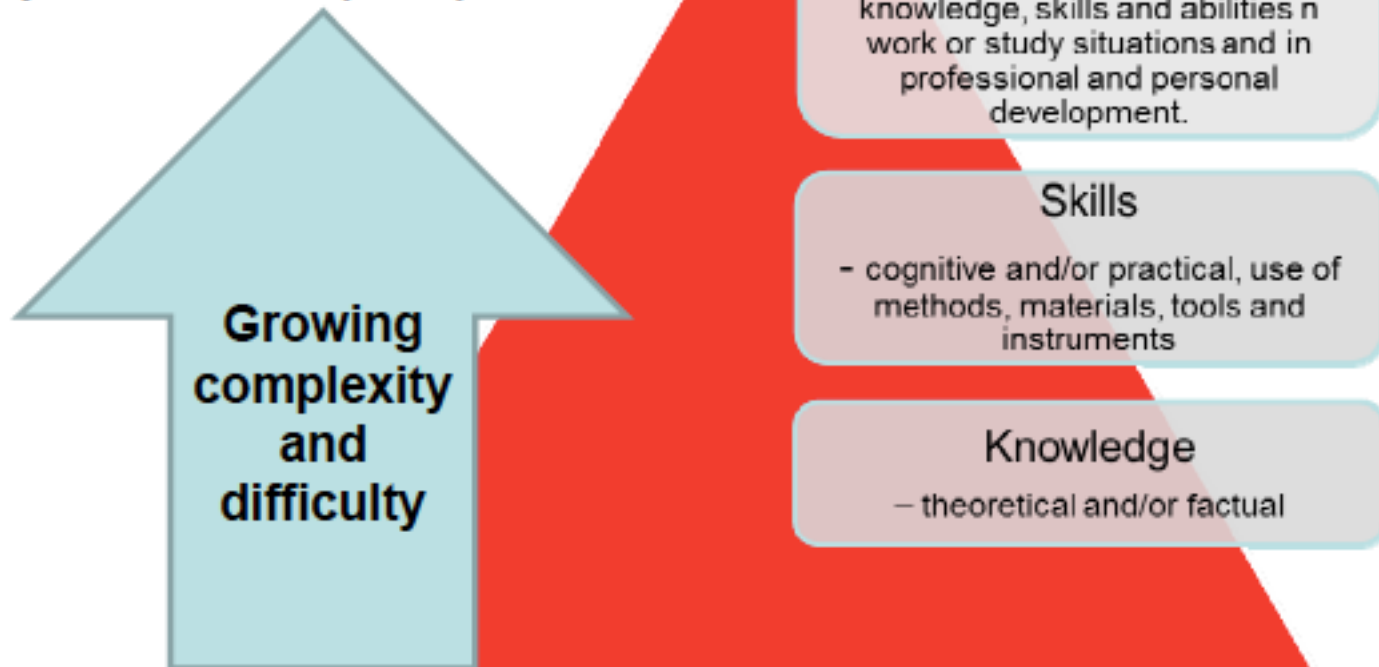
- Structure based on work by the RGs
- **All sectors reviewed & validated**
- **Sectoral + transversal skills/competences & qualifications reviewed & validated**
- Direct and indirect inclusion of Qualifications
- Release by 2017



# Added value of ESCO

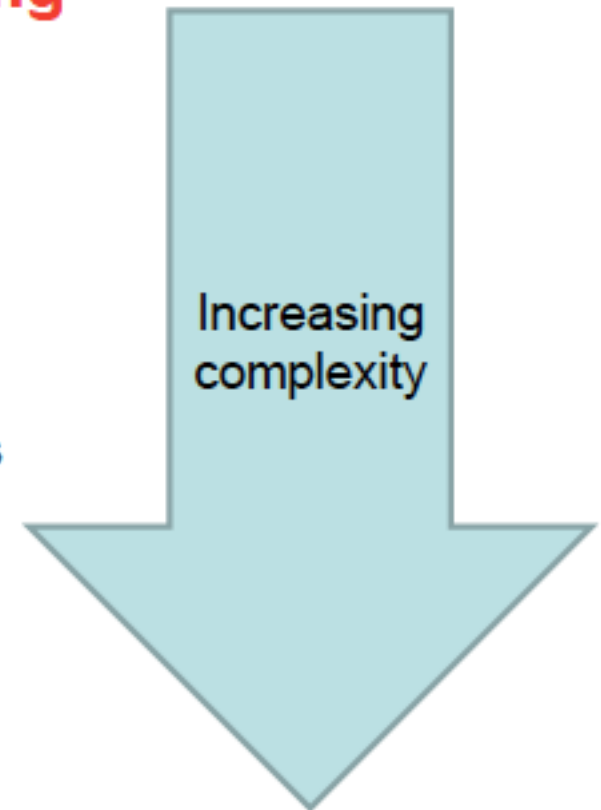
- Improve job matching
- Enhance regional mobility
- Improve the functioning of the labour market
- **Better connect education & training outcomes with occupations**
- Contribute to the development of:
  - the EU labour market
  - **a EU lifelong learning area**
- Facilitate the development/implementation of applications
- **NOT: normative for recognition of diplomas or access to regulated professions**
- It will facilitate forecasting and planning

### The distinction knowledge, skills and competence as used for qualifications (EQF)



## Examples (horse breeding) of learning outcomes expressions using action verbs

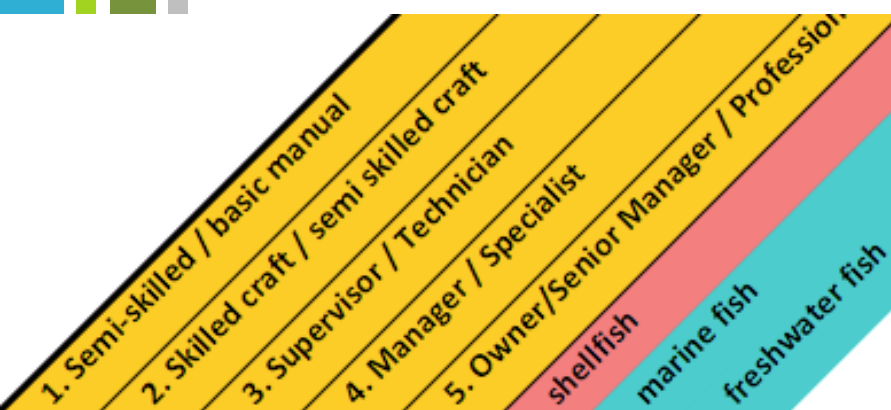
- **Collect** information for horse coaching sessions
- **Monitor** stock of feed
- **Analyze** information for coaching sessions
- **Contribute** to the design of horse exercise sessions
- **Repair** structures and surfaces
- **Ride** schooled horses for training
- **Provide** care to performance horses
- **Identify** the hazards and evaluate the risks
- **Reduce** the risks to health and safety



## LIFELONG LEARNING WORKSHOP

VALLA - Validation of All Lifelong Learning in Aquaculture  
Grant agreement number: LLP KA1 – EQF 2007 – 10342 IE

For technical/practical reasons, this table will be submitted electronically only (2007\_1034\_PR\_VALLA)



### Competency

DOMAIN SPECIFIC -SUBDOMAIN reproduction-finfish								
1	3	4	6		x	X	X	Culture phytoplankton/microalgae
1	3	4	6			X	X	Produce live prey using advanced high density culture techniques
1	3	4	6			X	X	Produce rotifers
1	3	4	6			X	X	Produce <i>Artemia</i>
1	3	4	6		x	X	X	Operate photoreactors
	3	4	6			X	X	Plan and conduct wild fish broodstock capture operations
		4	7			X	X	Knowledge of genetics selection program
		4	7			X	X	Broodstock recruitment by genetic selection
	3	4	6			X	X	Quarantine wild broodstock
	2	4	6			X	X	Condition broodstock
1	2	4				X	X	Handle fish broodstock
1	4	5				X	X	Feed broodstock according to nutritional needs
	3	3	5			X	X	Control fish broodstock sexual cycle
	3	4	6			X	X	Determine sexual maturity of fish broodstock
	3	3	6			X	X	Carry out techniques to induce fish spawning
	3	3					X	Induced spawning of fish on nests

# LIFELONG LEARNING WORKSHOP

reproduction	<ul style="list-style-type: none"> <li>Knows how to spawn fish &amp; fertilise eggs</li> <li>Can assess egg &amp; sperm quality</li> <li>Use green water incubation technology</li> <li>Can determine sexual maturity of broodstock</li> <li>Knowledge of environmental control of spawning</li> <li>Use of hormones to induce reproduction</li> <li>Knowledge of genetic selection, broodstock recruitment by genetic selection</li> </ul>	essential
broodstock handling	<ul style="list-style-type: none"> <li>Can plan &amp; conduct wild broodstock capture</li> <li>Quarantine wild broodstock</li> <li>Control broodstock sexual cycle</li> <li>Use green water incubation technology</li> <li>Monitor larvae status</li> </ul>	essential
plankton production	<ul style="list-style-type: none"> <li>Can supervise cultivation of phytoplankton/microalgae; live prey(advanced techniques), rotifers, artemia</li> <li>Supervise photoreactor use</li> </ul>	essential
manage stock production	<ul style="list-style-type: none"> <li>Can establish &amp; monitor hatchery production</li> <li>Operate hatchery recirculation system</li> <li>Pregrow cultured species</li> <li>Care for juveniles</li> <li>Monitor stocks &amp; movements</li> <li>Can develop stock nutrition programmes</li> <li>Plan feeding regimes in relation to farm constraints</li> <li>Set up feeding regimes/feed management</li> <li>Knows how to operate computerised feeding systems</li> <li>Can apply different methods of growth assessment</li> <li>Can calculate &amp; forecast &amp; collect info on growth rates</li> </ul>	essential

# Contact us

**Thank you for your attention**

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