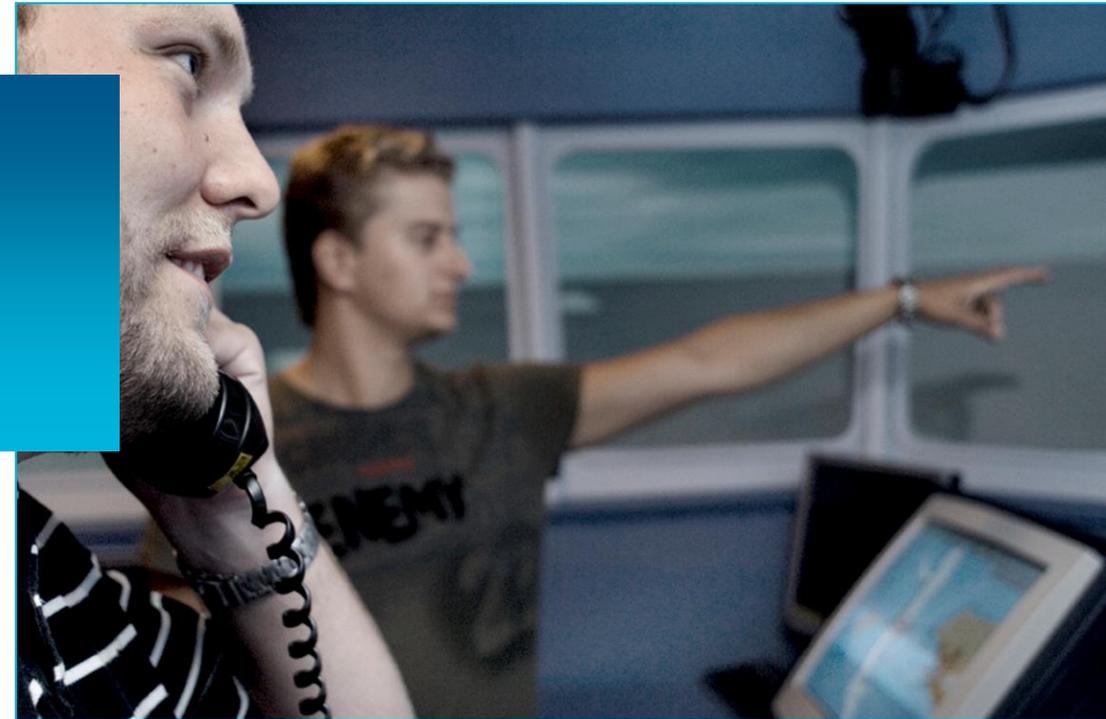


# The SkillSea Toolbox Design Guide for Educational Packages

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# The SkillSea Project

## The aim

 An even better match between the industry's skills needs and the education and training of maritime professionals

 The SkillSea project offers 7 educational packages





# The collaboration

## The initial work

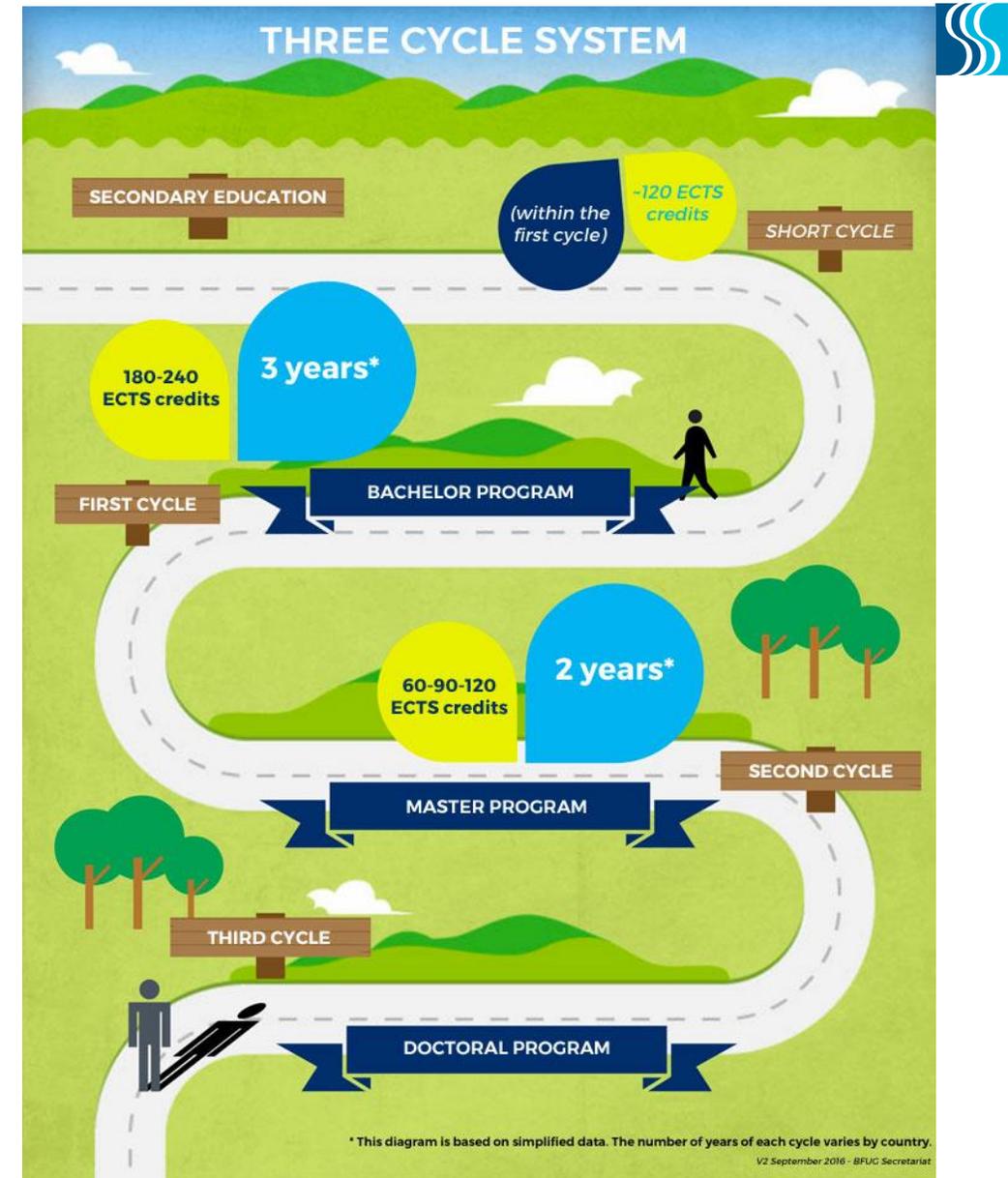
 We needed a shared structure for our collaboration among the partners

## The partners



# EQF vs. NQF

- Although we all know the European standards
- There are a great variety of local, regional, and national practices. These may be based on national regulation, tradition or local standards
- The SkillSea Toolbox design guide was created as a common reference



# Design guide for educational packages

## Curriculum

- Learning objectives, target group, entry requirements and assessment

## Course description

- Learning outcome, teaching methods, teaching material and assessment method

## Evaluation of the course

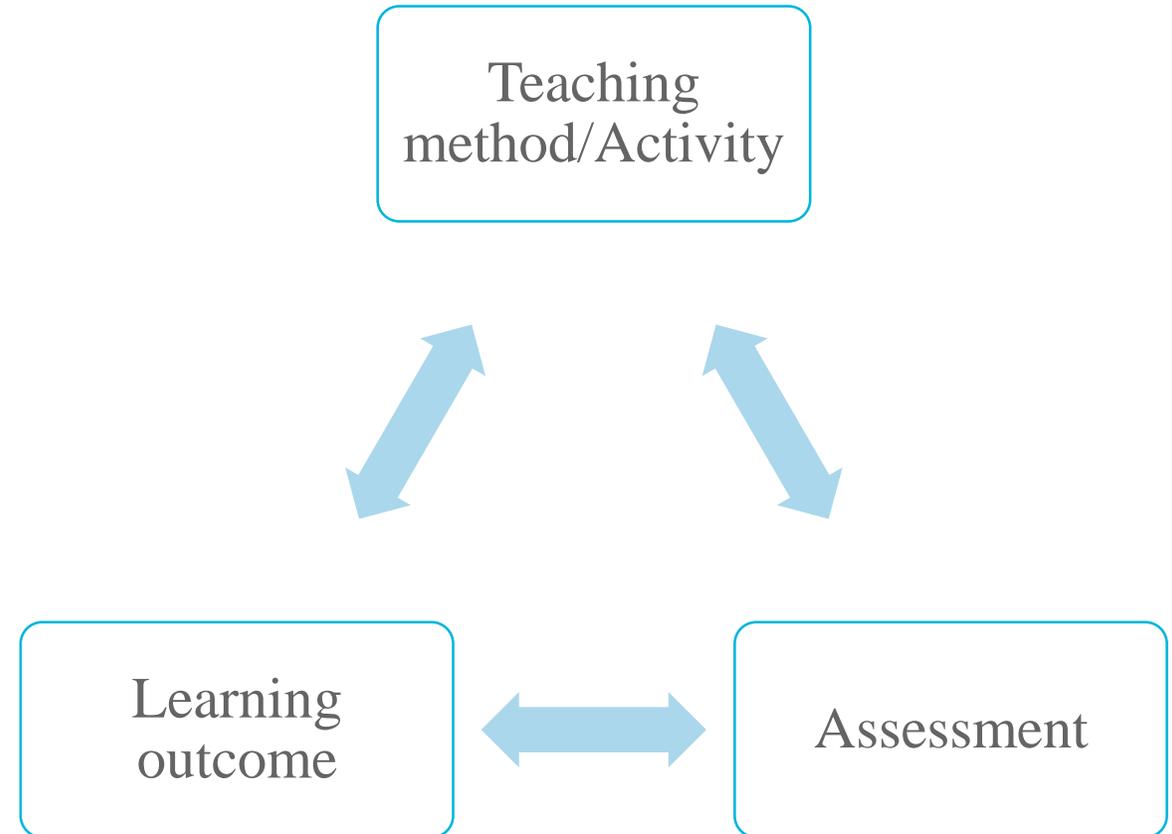
- review

# Design guide for educational packages

Learning outcomes

Teaching methods

Assessment methods



Cedefop (2017), "Defining, writing and applying learning outcomes"



# Design guide for educational packages

## The learning outcomes

- Knowledge: in the context of EQF, knowledge is described as theoretical and/or factual.
- Skills: In the context of EQF, skills are described as cognitive (involving the use of logical, intuitive and creative thinking) and practical (involving manual dexterity and the use of methods, materials, tools and instruments).
- Responsibility and autonomy: In the context of the EQF responsibility and autonomy is described as the ability of the learner to apply knowledge and skills autonomously and with responsibility.



# Design guide for educational packages

## The learning outcomes

Ambiguous		Precise	
<ul style="list-style-type: none"><li>• Know</li><li>• Understand</li><li>• Enjoy</li><li>• Determine</li><li>• Appreciate</li></ul>	<ul style="list-style-type: none"><li>• Grasp the significance of</li><li>• Become familiar with</li><li>• Believe</li><li>• Be aware of</li><li>• Comprehend</li></ul>	<ul style="list-style-type: none"><li>• Distinguish between</li><li>• Differentiate</li><li>• Assemble</li><li>• Adjust</li><li>• Identify</li><li>• Solve</li></ul>	<ul style="list-style-type: none"><li>• Write</li><li>• Recite</li><li>• Construct</li><li>• Contrast</li><li>• Compare</li><li>• List</li></ul>

*Source: Cedefop.*



# Design guide for educational packages

## Teaching methods

Potential strengths of method	Potential areas of weakness of method
<b>Convenience for students to access resources when suits them and their lives/work</b>	Weak or lack of consistent internet can affect access to resources
<b>Students can re-watch videos/audio repeatedly</b>	Difficulty in development of practical skills
<b>Promotes independent learning</b>	Limited opportunity to collaborate with peers and to apply learning





# Design guide for educational packages

## Assessment methods

Learning Objectives	<u>Knowledge of theory, method and practice</u>	<u>Understanding and reflecting on theory, method and practice</u>	<u>Applying methods and tools</u>	<u>Assessing problems and selecting models of solution</u>	<u>Communicating and discussing academic issues</u>	<u>Dealing with complex situations – in the context of studying or work</u>	<u>Ability to independently initiate collaboration</u>	<u>Taking responsibility for personal learning and development</u>
<u>MCQ and similar tests</u>	X	(X)		(X)				
<u>Written invigilated exam without aids (short or long)</u>	X	(X)	X					
<u>Written invigilated exam with aids (short or long)</u>	X	(X)	X	(X)		(X)		
<u>Written paper</u>	(X)	X	X	X		X		(X)
<u>Portfolio</u>		(X)	(X)	(X)	(X)	X	X	X
<u>Logs</u>	(X)	X	X			X	(X)	X
<u>Internship report</u>			X	X		X	X	(X)



## Curriculum

Learning Objectives

Target group

Entry requirements

Duration

Assessment

## Course Outline

Learning Outcome

Teaching methods

Teaching material

Assessment

## Course Review

Evaluation

# The Toolbox Template



 In the design guide each element of the template is explained





# Who can use of the design guide

1. It supports the lecturer who wants to use the SkillSea educational packages in their understanding of the content, and in the planning, delivery and assessment
2. It provides a common standard for anyone who wants to collaborate with colleagues outside their own institution, region, or country creating new courses to meet the needs of the industry
3. It makes educational packages transparent for all stakeholders





# Thank you

**The SkillSea toolbox design guide may  
be accessed on  
[www.skillsea.eu](http://www.skillsea.eu)**

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