

## NEBULA - A novel vocational training program on cloud computing skills

540226-LLP-1-2013-1-GR-LEONARDO-LMP

<http://www.adam-europe.eu/adam/project/view.htm?prj=11456>

## Project Information

Title: NEBULA - A novel vocational training program on cloud computing skills  
Project Number: 540226-LLP-1-2013-1-GR-LEONARDO-LMP  
Year: 2013  
Project Type: Development of Innovation  
Status: granted  
Country: EU-Centralised Projects  
Marketing Text: Skills/competences on management/use of cloud computing by public administrations are key for employability of jobseekers and employees as demand for these skills is rising. Public administrations will benefit significantly from cloud computing services enabled by availability of skilled staff.

Nebula will develop a Sector Skills Alliance for training provision and a novel VET program on Cloud Computing Skills. The program will train learners in all aspects of migration of IT infrastructures to cloud computing architectures including technical, organizational, financial, procurement aspects. Using novel training approaches, i.e. case-studies, game-based learning and distance learning facilitated by an online platform, Nebula will provide a complete VET solution that can be exploited/sustained by many VET providers in the EU states.

Summary: The project objectives are to:

- Derive an evidence-based definition of skill needs of the labour market for cloud computing skills and competences in Europe based on the targets set by the EU Digital Agenda
- Examine the available skill supply by public administration staff and determine the magnitude of the skill mismatch to be bridged
- Analyse the training requirements by liaising with all stakeholders, including territorial public administrations and staff/unemployed, for an innovative Cloud Computing Skills VET program
- Design a curriculum and develop VET programs that will introduce cloud computing skills courses and materials
- Introduce innovative training delivery methods in the form of simulation games and social learning platforms to increase learner engagement and training effectiveness
- Investigate alternative paths to link the designed curriculum with training methodologies in order to standardise it according to learning outcome approaches, like ECVET, and make it transferable across EU members
- Establish a pool of trainers to initiate the VET program delivery by training and qualifying members of the project team to deliver the program
- Run pilot delivery sessions to test the new VET program with learners who belong to the actual target group; evaluate learning outcomes and verify assimilated skills by participants to ensure the transferability and adaptability of the VET program; and help public administrations improve their vocational training capacities.

Description: The project aims to form a Sector Skills Alliance that will bridge the mismatch on cloud computing skills in the sector of territorial public administrations in order to improve employability of staff by enhancing their skills and bringing them up to speed with new technologies. The aims will be achieved through the development and delivery of a VET program that will equip current/perspective public servants with the required skills to evaluate the benefits of cloud computing and to plan, implement, monitor and assess the migration from local IT infrastructures to cloud computing services, hence making them indispensable to employers who want to follow technological developments.

Themes: \*\*\* ICT  
\*\*\* Lifelong learning  
\*\*\* Continuous training  
\*\* Open and distance learning  
Sectors: \*\*\* Information and Communication  
\*\* Professional, Scientific and Technical Activities  
\* Administrative and Support Service Activities

## Project Information

Product Types: program or curricula  
teaching material  
website

Product information: Expected results include:

- A VET program on Cloud Computing Skills to train learners on the skills/competences required for migration to and administration of cloud computing
- An online platform to facilitate remote access to training content and collaborative learning
- Trainer & trainee guidelines, materials, assessment methods and tools in 7 European languages
- 1 "train the trainer" seminar & 4 training workshops
- 8 dissemination events, social networking, awareness raising campaign
- Strategic sustainability & continuation actions

Projecthomepage: <http://www.nebula-project.eu/>

## Project Contractor

Name: Swedish Association of Municipalities for Joint Development  
City: Sandviken  
Country/Region: Norra Mellansverige  
Country: SE-Sweden  
Organization Type: association/non-governmental organisation  
Homepage: <http://www.sambruk.se>

### Contact Person

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Homepage:

## Coordinator

Name: Hellenic Society for the Promotion of Research and Development  
City: Neo Psychiko  
Country/Region: Attiki  
Country: EL-Greece  
Organization Type: others  
Homepage: <http://www.promea.gr>

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Homepage:

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## Partner

### Partner 1

Name: Univeristé Claude Bernard Lyon 1  
City: villeurbanne  
Country/Region: Rhône-Alpes  
Country: FR-France  
Organization Type: university/Fachhochschule/academy  
Homepage: <http://www.univ-lyon1.fr>

### Partner 2

Name: Association of Employment and Learning Providers  
City: Keynsham  
Country/Region: Gloucestershire, Wiltshire and North Sommerset  
Country: UK-United Kingdom  
Organization Type: association/non-governmental organisation  
Homepage: <http://www.aelp.org.uk>

### Partner 3

Name: TELESIG Ltd.  
City: Plovdiv  
Country/Region: Yuzhen tsentralen  
Country: BG-Bulgaria  
Organization Type: National Agency  
Homepage: <http://www.telesig.eu>

### Partner 4

Name: TECLA Association  
City: Rome  
Country/Region: Lazio  
Country: IT-Italy  
Organization Type: association/non-governmental organisation  
Homepage: <http://www.tecla.org>

## Partner

### Partner 5

Name: Florida Universitaria  
City: Catarroja  
Country/Region: Comunidad Valenciana  
Country: ES-Spain  
Organization Type: continuing training institution  
Homepage: [http://www.florida-uni.es/web\\_en/home.php](http://www.florida-uni.es/web_en/home.php)

## Project Files

### 11.Nebula\_WP4\_D4.2.1\_Curriculum structure and design.pdf

[http://www.adam-europe.eu/prj/11456/prj/11.Nebula\\_WP4\\_D4.2.1\\_Curriculum%20structure%20and%20design.pdf](http://www.adam-europe.eu/prj/11456/prj/11.Nebula_WP4_D4.2.1_Curriculum%20structure%20and%20design.pdf)

The learning objectives are classified and grouped thematically into autonomous modules and units with concrete learning outcomes to be delivered to learners. The sequence and dependencies between modules are assessed to decide on the program schedule. Target skill acquisition per module is outlined to allow for evaluation of learners and VET program.

### Nebula\_WP3\_D3.1.1\_Skill demand documentation.pdf

[http://www.adam-europe.eu/prj/11456/prj/Nebula\\_WP3\\_D3.1.1\\_Skill%20demand%20documentation.pdf](http://www.adam-europe.eu/prj/11456/prj/Nebula_WP3_D3.1.1_Skill%20demand%20documentation.pdf)

Comprehension of typical IT infrastructure architectures used by territorial public administrations, business processes and their differences between countries, organizational cultures, among others is required to identify the complete skill set necessary for an individual responsible to plan, implement, monitor, evaluate and sign-off on the migration of IT infrastructure to cloud computing services. This deliverable analyzes and documents these skills/competences in an effort to build skill-related profile/description of the staff who can undertake such tasks.

### Nebula\_WP3\_D3.2.1\_Skill demand validation.pdf

[http://www.adam-europe.eu/prj/11456/prj/Nebula\\_WP3\\_D3.2.1\\_Skill%20demand%20validation.pdf](http://www.adam-europe.eu/prj/11456/prj/Nebula_WP3_D3.2.1_Skill%20demand%20validation.pdf)

The skill/competence set derived from T3.1 has been validated by subject matter experts and public administration representatives in order to be used to generate specifications for the VET programme and curriculum. This validation step has been implemented using relevant methodologies and actions (surveys, interviews, etc) which have enumerated the identified skills/competences and their intended use within the target organization setting. It has been administered to senior territorial administration officials, field expert on cloud computing, trainers on ICT and business related topics, learners, etc. Their replies helped shape the final skill demand of public administrations that has been used for the identification of skill mismatches for cloud computing in the public sector.

### Nebula\_WP3\_D3.3.1\_Skills\_supply\_documentation.pdf

[http://www.adam-europe.eu/prj/11456/prj/Nebula\\_WP3\\_D3.3.1\\_Skills\\_supply\\_documentation.pdf](http://www.adam-europe.eu/prj/11456/prj/Nebula_WP3_D3.3.1_Skills_supply_documentation.pdf)

Identifying the skill supply available in territorial public administrations is challenging. The aim of this deliverable is to analyze and document a typical profile of the skill/competence set of public servants that are likely to undertake the effort of migration to cloud computing services. This is defined by the educational and training background of public servants and potential new entrants. Relevant educational/training curricula have been identified and studied to analyse the acquired skill set related to relevant learning objectives.

### Nebula\_WP3\_D3.4.1\_Mismatch on cloud computing skills.pdf

[http://www.adam-europe.eu/prj/11456/prj/Nebula\\_WP3\\_D3.4.1\\_Mismatch%20on%20cloud%20computing%20skills.pdf](http://www.adam-europe.eu/prj/11456/prj/Nebula_WP3_D3.4.1_Mismatch%20on%20cloud%20computing%20skills.pdf)

This deliverable effectively serves as the requirements in terms of learning objectives that the developed VET program needs to achieve. By enumerating and describing the skill mismatch between public administration needs and average skill sets of public servants, the goals of the VET program can be set so as to maximize relevance of competence acquisition for learners. Moreover, information is provided about the perception of public administrations with regards to the importance of these skills, which leads to a classification in terms of priority and guide the curriculum design and development.

### Nebula\_WP4\_D4.1.1\_Nebula\_learning\_objectives.pdf

[http://www.adam-europe.eu/prj/11456/prj/Nebula\\_WP4\\_D4.1.1\\_Nebula\\_learning\\_objectives.pdf](http://www.adam-europe.eu/prj/11456/prj/Nebula_WP4_D4.1.1_Nebula_learning_objectives.pdf)

Based on the skill mismatch defined in WP3, the learning objectives that the developed VET program must achieve are defined. They include the learning objectives necessary to provide vocational learners with the ability to execute a number of tasks related to cloud computing and on migration from locally owned IT infrastructures.

## Products

- 1 A VET program on Cloud Computing Skills to train learners on the skills/competences required for
- 2 Online platform to facilitate remote access to training content and collaborative learning
- 3 Skill demand documentation
- 4 Skill demand validation by public administration associations
- 5 Existing skill supply documentation
- 6 Mismatch of needs and current situation on cloud computing skills in territorial public
- 7 Nebula VET program learning objectives
- 8 Nebula Progress Report
- 9 Nebula Brochure
- 10 Curriculum structure and design
- 11 Learning material & content
- 12 Training exercises and solution guidelines
- 13 Training course evaluation and assessment
- 14 Roadmap for integration of VET program in certification/qualification frameworks

## **Product 'A VET program on Cloud Computing Skills to train learners on the skills/competences required for migration to and administration of cloud computing'**

Title: A VET program on Cloud Computing Skills to train learners on the skills/competences required for migration to and administration of cloud computing

Product Type: program or curricula

Marketing Text:

Description:

Target group:

Result:

Area of application:

Homepage:

Product Languages:

### **product files**

10.Nebula\_WP4\_D4.1.1\_Nebula VET program learning objectives.pdf

[http://www.adam-europe.eu/prj/11456/prd/1/1/10.Nebula\\_WP4\\_D4.1.1\\_Nebula%20VET%20program%20learning%20objectives.pdf](http://www.adam-europe.eu/prj/11456/prd/1/1/10.Nebula_WP4_D4.1.1_Nebula%20VET%20program%20learning%20objectives.pdf)

11.Nebula\_WP4\_D4.2.1\_Curriculum structure and design.pdf

[http://www.adam-europe.eu/prj/11456/prd/1/1/11.Nebula\\_WP4\\_D4.2.1\\_Curriculum%20structure%20and%20design.pdf](http://www.adam-europe.eu/prj/11456/prd/1/1/11.Nebula_WP4_D4.2.1_Curriculum%20structure%20and%20design.pdf)

## Product 'Online platform to facilitate remote access to training content and collaborative learning'

Title: Online platform to facilitate remote access to training content and collaborative learning

Product Type: website

Marketing Text:

Description:

Target group:

Result:

Area of application:

Homepage: <http://moodle.nebula-project.eu/>

Product Languages: Spanish  
Swedish  
Greek  
Italian  
English  
French  
Bulgarian

## Product 'Skill demand documentation'

Title: Skill demand documentation

Product Type: others

Marketing Text: Report outlining the skills required to carry-out the migration and use of cloud services focusing on the needs of territorial public administration staff

Description: Comprehension of typical IT infrastructure architectures used by territorial public administrations, business processes and their differences between countries, organizational cultures, among others is required to identify the complete skill set necessary for an individual responsible to plan, implement, monitor, evaluate and sign-off on the migration of IT infrastructure to cloud computing services. This deliverable analyzes and documents these skills/competences in an effort to build skill-related profile/description of the staff who can undertake such tasks.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

## product files

### Skill Demand Documentation

Nebula\_WP3\_D3.1.1\_Skill demand documentation.pdf

[http://www.adam-europe.eu/prj/11456/prd/4/2/Nebula\\_WP3\\_D3.1.1\\_Skill%20demand%20documentation.pdf](http://www.adam-europe.eu/prj/11456/prd/4/2/Nebula_WP3_D3.1.1_Skill%20demand%20documentation.pdf)

## Product 'Skill demand validation by public administration associations'

Title: Skill demand validation by public administration associations

Product Type: others

Marketing Text: Analysis report on stakeholders' view to validate identified skill needs

Description: The skill/competence set derived from T3.1 has been validated by subject matter experts and public administration representatives in order to be used to generate specifications for the VET programme and curriculum. This validation step has been implemented using relevant methodologies and actions (surveys, interviews, etc) which have enumerated the identified skills/competences and their intended use within the target organization setting. It has been administered to senior territorial administration officials, field expert on cloud computing, trainers on ICT and business related topics, learners, etc. Their replies helped shape the final skill demand of public administrations that has been used for the identification of skill mismatches for cloud computing in the public sector.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

#### Skill demand validation by public administration associations

Nebula\_WP3\_D3.2.1\_Skill demand validation.pdf

[http://www.adam-europe.eu/prj/11456/prd/5/2/Nebula\\_WP3\\_D3.2.1\\_Skill%20demand%20validation.pdf](http://www.adam-europe.eu/prj/11456/prd/5/2/Nebula_WP3_D3.2.1_Skill%20demand%20validation.pdf)

## Product 'Existing skill supply documentation'

Title: Existing skill supply documentation

Product Type: others

Marketing Text: Report on the skill supply of territorial public administration staff

Description: Identifying the skill supply available in territorial public administrations is challenging. The aim of this deliverable is to analyze and document a typical profile of the skill/competence set of public servants that are likely to undertake the effort of migration to cloud computing services. This is defined by the educational and training background of public servants and potential new entrants. Relevant educational/training curricula have been identified and studied to analyse the acquired skill set related to relevant learning objectives.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

#### Existing skill supply documentation

Nebula\_WP3\_D3.3.1\_Skills\_supply\_documentation.pdf

[http://www.adam-europe.eu/prj/11456/prd/6/2/Nebula\\_WP3\\_D3.3.1\\_Skills\\_supply\\_documentation.pdf](http://www.adam-europe.eu/prj/11456/prd/6/2/Nebula_WP3_D3.3.1_Skills_supply_documentation.pdf)

## Product 'Mismatch of needs and current situation on cloud computing skills in territorial public administrations'

Title: Mismatch of needs and current situation on cloud computing skills in territorial public administrations

Product Type:

Marketing Text: Report highlighting the identified mismatches between skill supply and demand in territorial public administrations

Description: This deliverable effectively serves as the requirements in terms of learning objectives that the developed VET program needs to achieve. By enumerating and describing the skill mismatch between public administration needs and average skill sets of public servants, the goals of the VET program can be set so as to maximize relevance of competence acquisition for learners. Moreover, information is provided about the perception of public administrations with regards to the importance of these skills, which leads to a classification in terms of priority and guide the curriculum design and development.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

#### Mismatch of needs and current situation on cloud computing skills in territorial public

Nebula\_WP3\_D3.4.1\_Mismatch on cloud computing skills.pdf

[http://www.adam-europe.eu/prj/11456/prd/7/2/Nebula\\_WP3\\_D3.4.1\\_Mismatch%20on%20cloud%20computing%20skills.pdf](http://www.adam-europe.eu/prj/11456/prd/7/2/Nebula_WP3_D3.4.1_Mismatch%20on%20cloud%20computing%20skills.pdf)

## Product 'Nebula VET program learning objectives'

Title: Nebula VET program learning objectives

Product Type: others

Marketing Text: Report defining desired learning objectives: description per learning outcome

Description: Based on the skill mismatch defined in WP3, the learning objectives that the developed VET program must achieve are defined. They include the learning objectives necessary to provide vocational learners with the ability to execute a number of tasks related to cloud computing and on migration from locally owned IT infrastructures.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

#### Nebula VET program learning objectives

Nebula\_WP4\_D4.1.1\_Nebula\_learning\_objectives.pdf

[http://www.adam-europe.eu/prj/11456/prd/8/2/Nebula\\_WP4\\_D4.1.1\\_Nebula\\_learning\\_objectives.pdf](http://www.adam-europe.eu/prj/11456/prd/8/2/Nebula_WP4_D4.1.1_Nebula_learning_objectives.pdf)

## Product 'Nebula Progress Report'

Title: Nebula Progress Report

Product Type:

Marketing Text:

Description:

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

2013\_5616\_PR\_NEBULA\_pub.pdf

[http://www.adam-europe.eu/prj/11456/prd/9/1/2013\\_5616\\_PR\\_NEBULA\\_pub.pdf](http://www.adam-europe.eu/prj/11456/prd/9/1/2013_5616_PR_NEBULA_pub.pdf)

## Product 'Nebula Brochure'

Title: Nebula Brochure

Product Type:

Marketing Text:

Description: A project brochure has been developed in 7 languages, which will be disseminated to the project's target groups at project events, and at events organised by third parties that are of relevant thematic focus.

Target group:

Result:

Area of application:

Homepage:

Product Languages: Italian  
Spanish  
Swedish  
Bulgarian  
English  
French  
Greek

### product files

NEBULA - Brochure - BG.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20BG.pdf>

NEBULA - Brochure - EL.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20EL.pdf>

NEBULA - Brochure - EN.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20EN.pdf>

NEBULA - Brochure - ES.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20ES.pdf>

NEBULA - Brochure - FR.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20FR.pdf>

NEBULA - Brochure - IT.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20IT.pdf>

NEBULA - Brochure - SE.pdf

<http://www.adam-europe.eu/prj/11456/prd/10/1/NEBULA%20-%20Brochure%20-%20SE.pdf>

## Product 'Curriculum structure and design'

Title: Curriculum structure and design

Product Type: program or curricula

Marketing Text: Report detailing curriculum structure, description of modules and units

Description: The learning objectives are classified and grouped thematically into autonomous modules and units with concrete learning outcomes to be delivered to learners. The sequence and dependencies between modules are assessed to decide on the program schedule. Target skill acquisition per module is outlined to allow for evaluation of learners and VET program.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

11.Nebula\_WP4\_D4.2.1\_Curriculum structure and design.pdf

[http://www.adam-europe.eu/prj/11456/prd/11/1/11.Nebula\\_WP4\\_D4.2.1\\_Curriculum%20structure%20and%20design.pdf](http://www.adam-europe.eu/prj/11456/prd/11/1/11.Nebula_WP4_D4.2.1_Curriculum%20structure%20and%20design.pdf)

## Product 'Learning material & content'

Title: Learning material & content

Product Type: material for open learning

Marketing Text: Slide sets, presentation notes & guidelines

Description: This deliverable includes the typical training material that a trainer needs for proper administration and facilitation of the course. Slide sets and notes/guidelines for the presentations are the bulk of the material. The material is divided according to the training modules/units as defined in the curriculum structure.

Target group:

Result:

Area of application:

Homepage:

Product Languages: Swedish  
Spanish  
Italian  
Greek  
French  
English  
Bulgarian

## product files

### Learning\_Material\_&\_Content

Learning\_Material\_&\_Content\_Bulgarian.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_Bulgarian.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_Bulgarian.zip)

Learning\_Material\_&\_Content\_English.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_English.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_English.zip)

Learning\_Material\_&\_Content\_French.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_French.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_French.zip)

Learning\_Material\_&\_Content\_Greek.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_Greek.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_Greek.zip)

Learning\_Material\_&\_Content\_Italian.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_Italian.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_Italian.zip)

Learning\_Material\_&\_Content\_Spanish.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_Spanish.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_Spanish.zip)

Learning\_Material\_&\_Content\_Swedish.zip

[http://www.adam-europe.eu/prj/11456/prd/12/2/Learning\\_Material\\_%26\\_Content\\_Swedish.zip](http://www.adam-europe.eu/prj/11456/prd/12/2/Learning_Material_%26_Content_Swedish.zip)

## Product 'Training exercises and solution guidelines'

Title: Training exercises and solution guidelines

Product Type: material for open learning

Marketing Text: Exercises for trainees and solution guidelines

Description: Applying the acquired knowledge and information, by solving exercises and similar practice materials, is an essential part of the learning process. Moreover, exercises can be used without facilitation and group assignments facilitate collaborative, peer-to-peer learning.

Target group:

Result:

Area of application:

Homepage:

Product Languages: Swedish  
Italian  
Spanish  
French  
Greek  
Bulgarian  
English

### product files

#### Training\_exercises\_solution guidelines

Training\_exercises\_solution guidelines\_Bulgarian.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_Bulgarian.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_Bulgarian.zip)

Training\_exercises\_solution guidelines\_English.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_English.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_English.zip)

Training\_exercises\_solution guidelines\_French.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_French.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_French.zip)

Training\_exercises\_solution guidelines\_Greek.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_Greek.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_Greek.zip)

Training\_exercises\_solution guidelines\_Italian.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_Italian.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_Italian.zip)

Training\_exercises\_solution guidelines\_Spanish.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_Spanish.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_Spanish.zip)

Training\_exercises\_solution guidelines\_Swedish.zip

[http://www.adam-europe.eu/prj/11456/prd/13/2/Training\\_exercises\\_solution%20guidelines\\_Swedish.zip](http://www.adam-europe.eu/prj/11456/prd/13/2/Training_exercises_solution%20guidelines_Swedish.zip)

## Product 'Training course evaluation and assessment'

Title: Training course evaluation and assessment

Product Type: others

Marketing Text: Report on the evaluation of the VET program by trainers, learners and other stakeholders

Description:

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

18.Nebula\_WP5\_D5.4.1\_Training course evaluation and assessment.pdf

[http://www.adam-europe.eu/prj/11456/prd/14/1/18.Nebula\\_WP5\\_D5.4.1\\_Training%20course%20evaluation%20and%20assessment.pdf](http://www.adam-europe.eu/prj/11456/prd/14/1/18.Nebula_WP5_D5.4.1_Training%20course%20evaluation%20and%20assessment.pdf)

## Product 'Roadmap for integration of VET program in certification/qualification frameworks'

Title: Roadmap for integration of VET program in certification/qualification frameworks

Product Type: transparency and certification

Marketing Text:

Description: This deliverable provides a realistic roadmap for the integration of the VET program on Cloud Computing Skills in certification and qualification frameworks. It outlines all the necessary steps that need to be carried out, identifies dependencies, elaborates on potential risk factors that may delay this integration and lays down a detail time-plan for the integration.

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

### product files

Nebula\_Roadmap for integration of VET program in certification frameworks.pdf

[http://www.adam-europe.eu/prj/11456/prd/15/1/Nebula\\_Roadmap%20for%20integration%20of%20VET%20program%20in%20certification%20frameworks.pdf](http://www.adam-europe.eu/prj/11456/prd/15/1/Nebula_Roadmap%20for%20integration%20of%20VET%20program%20in%20certification%20frameworks.pdf)