



DIGITAL AND ENVIRONMENTAL SKILLS FOR FACILITY MANAGEMENT

OVERVIEW OF PROJECT TASKS COMPLETED
IN THE 3rd SEMESTER,
1 October 2017 to 31 March 2018

DATE: 19 MARCH 2018
Prepared by: BGFMA



THE DEFMA PROJECT

AIM

To develop and offer educational resources and materials to address the digital and “green” skill needs of facility managers, to strengthen their employability and keep up with the demands of the EU buildings sector.

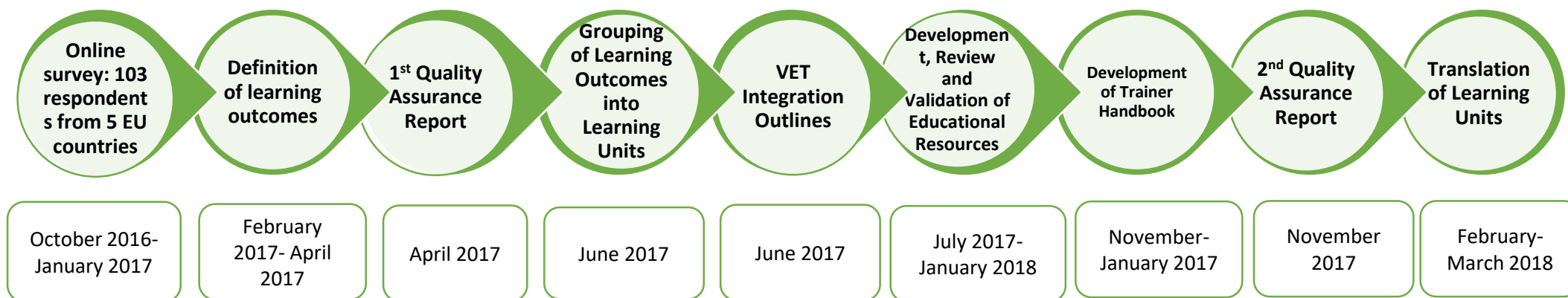
OUTPUTS

- Learning & assessment materials
- Massive Open Online Course (MOOC)
- Two workshops (UK, IT)
- Three Information Days (BG, GR, LT)

THE CONSORTIUM

1. SWC - South West College, UK
2. PROMEA – Hellenic Society for the Promotion of Research and Development Methodologies Astiki Etairia
3. SNS - National School of Services Foundation, Italy
4. BGFMA - Bulgarian Facility Management Association, Bulgaria
5. VSRC - Vilnius Builders Training Centre, Lithuania

Accomplishments since the start of the DEFMA project



DEFMA OPEN EDUCATIONAL RESOURCES

METHODOLOGY

- ❑ All teaching resources follow the outcomes of the analysis on occupational training requirements.
- ❑ Case studies and exercises have been presented to simulate real world requirements e.g. collecting, analysing and reporting on environmental information and data programming “smart” building controls to achieve energy cost savings.
- ❑ All materials will be evaluated and validated by project target groups and external experts in the demonstration workshops.
- ❑ Development of training resources and assessment materials based on the DEFMA units of learning outcomes.

TRAINING AND ASSESSMENT MATERIAL

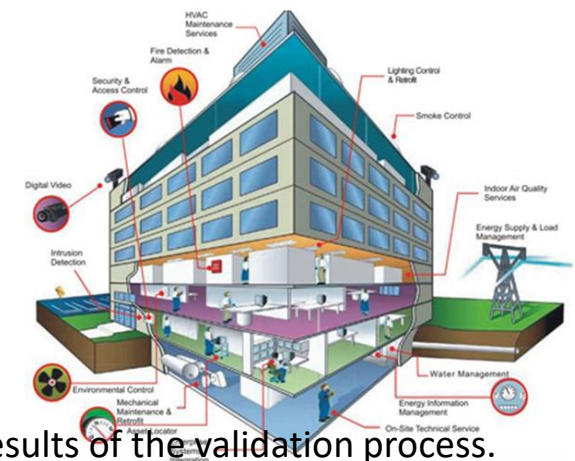
Training and assessment materials include:

- lecture notes/presentation slides (31)
- case studies (6)
- FAQs (45)
- multiple choice questions (66)
- practical exercises (42)

Partners: SWC: Development of educational resources and fine-tuning according to the results of the validation process.

SNS, BGFMA: Review and validate educational resources.

SNS, BGFMA, PROMEA, VSRC: Translation in own language.



DEFMA Learning Units

- Learning Unit 1:** Sustainability and environmental issues and their impact on FM
- Learning Unit 2:** Energy efficiency and energy management in buildings
- Learning Unit 3:** Sustainable buildings
- Learning Unit 4:** Building management and intelligent building solutions
- Learning Unit 5:** Maintenance and repairs to prevent energy losses
- Learning Unit 6:** Occupant & Operator Health and Wellbeing



Overall Course Description

Title	Digital and environmental skills for facilities management
Description	<p>Facility managers, after attending this course will be equipped with all needed skills, knowledge and competence in order to meet current and emerging workplace demands with regards to zero carbon services and technologies.</p> <p>During the course, learners will learn:</p> <ul style="list-style-type: none"> • Basic facts and principles of sustainability and environmental management for improving resource efficiency in buildings • Latest low and zero carbon technologies for buildings • Maintenance and repairs to prevent energy losses • Smart building controls • Communicating the sustainability agenda to the users' of the building • Health and Safety procedures with regard to environmental aspects
EQF level	5
Duration	120 NLT
ECVET credits	6
General prerequisites	<p>One of the following:</p> <ul style="list-style-type: none"> • Certificate in facility management, equal to or greater than EQF level 4. • 2 or more years of proven experience as facility manager.

Based on the European Qualification Framework descriptors of levels

Each ECVET credit equates to 20 notional learning hours

NLT (Notional Learning Time) includes teaching contact time (lectures, seminars, tutorials, laboratory practicals, workshops, fieldwork etc.), time spent on preparing and carrying out formative and summative assessments (written coursework, oral presentations, exams etc.) and time spent on private study

TRAINER HANDBOOK

Toolkit will assist trainers in designing and running a training program for facility managers.

Trainer manual will provide guidelines on how to deliver training with the use of the DEFMA training material and assessment tools for each learning unit.

Toolkit will include instructions on how to develop additional material and resources in accordance with DEFMA learning outcomes.

DEFMA trainer handbook will also contain detailed:

- case studies
- practical exercises
- background reading





- Available for sharing, contextualisation and exploitation by any public and private educational entity providing training to facility managers.
- Available for independent use to interested facility managers through the DEFMA MOOC.
- Handbook will be distributed to trainers involved in VET provision for facility managers.

MOOC: The Open and Online Course can be Massive

- Open & free for all
- Available on the internet
- Enables learners to interact with the materials and other learners
- Each learner's work can be shared with other learners



DEFMA MOOC specs / characteristics

Learner centeredness

Flexibility

Blended evaluation scheme

Interactivity





MOOC PLATFORM

Hosted on OpenLearning

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  **child in mind** 
SELF-LEARNING RESOURCES FOR INFORMAL CHILDMINDERS




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Childcare is delivered through formal settings, such as nurseries, preschools and registered childminders, or informal childcare arrangements most often provided by relatives or unregistered childminders. The skills of informal and formal childcare practitioners can vary, due to differing contexts and environments where childcare takes place. In contrast to formal childcare, the available learning pathways, programmes and resources for informal childminders in the early childhood field are underdeveloped. The **ChildInMind self-paced online course** introduces a modern training delivery method that will help learners follow flexible learning pathways as regards the acquisition of skills relevant to the early childhood care in an informal context.

EN version: <https://www.openlearning.com/courses/childinmind-self-paced-online-course>



3rd TRANSNATIONAL PROJECT MEETING

Squola Nazionale Servizi, SNS, hosted the 3rd TPM that took place on 6th February 2018 in Rome. The meeting gathered together all partners in the DEFMA Consortium.



- Meeting was very productive;
- Outlined the results of the project since its beginning back in October 201;
- Outlined the forthcoming tasks.
- Next TPM will be held in the beginning of July in Athens, Greece.



DEFMA DISSEMINATION ACTIVITIES

Ongoing social media
interactions.

Direct contacts, incl. face-to-
face meetings

Presentations at third party
events

Regular information in
newsletters

Social media activities and
interactions



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