‘TVET Advocacy: ensuring multi-stakeholder participation’

Presentation of the UPSKILL project
‘The skills for the Digital Future of Plastics Factories’

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UPSKILL: Facts & Figures

Full title: The Skills for the Digital Future of Plastics Factories

Start date: 01.11.2018, duration: 30 months

Coordinator - Engineering and Technology Industries Association of Lithuania LINPRA, https://linpra.lt/

Nine partners from Lithuania, Belgium, Finland and France:

Business associations (EuPC, LINPRA, FIPIF, POLYVIA) - EU-wide representation of plastics converters, development of educational strategies, lobbying

VET providers (APRC, VPM, TREDU, Polyvia Formation)

Public body (KPMPC-QVETDC) - a national agency, responsible for qualifications system in Lithuania and implementation of VET initiatives and policies

Co-funded by the Erasmus+ Programme of the European Union

Challenge

The growth and the importance of the plastics manufacturing sector: **innovation, resource efficiency and job creation**

The sector experiences lack of qualified workers and low level of current workers skills. The ability of the European plastics industry to remain competitive and to innovate depends on its ability to recruit **talented and qualified people**.

In Lithuania: **qualifications** in plastics manufacturing sector were not standardised until UPSKILL thus impeding development of formal VET programmes

Main Goals

1. Analysis of present and required qualifications for the plastics machine operators (plastics processing line conductors) by the plastics companies in LT, BE, FI, FR

2. Analysis of present European VET curricula for plastics machine operators (plastics processing line conductors) in 3 countries

3. Development of an adaptive work-based learning VET programme by integrating digital, programming, green, circular economy, and Lean manufacturing skills

Achieved results

- EQF-based model VET curriculum
- New national VET programmes (EQF 3, EQF 4)/ supplemented present training programmes. In Lithuania: Plastic machine line conductor (EQF 3), Plastics processing machinery adjuster (derintojas (EQF 4)
- Training material for students and teachers: Student's Book and Teacher's Book

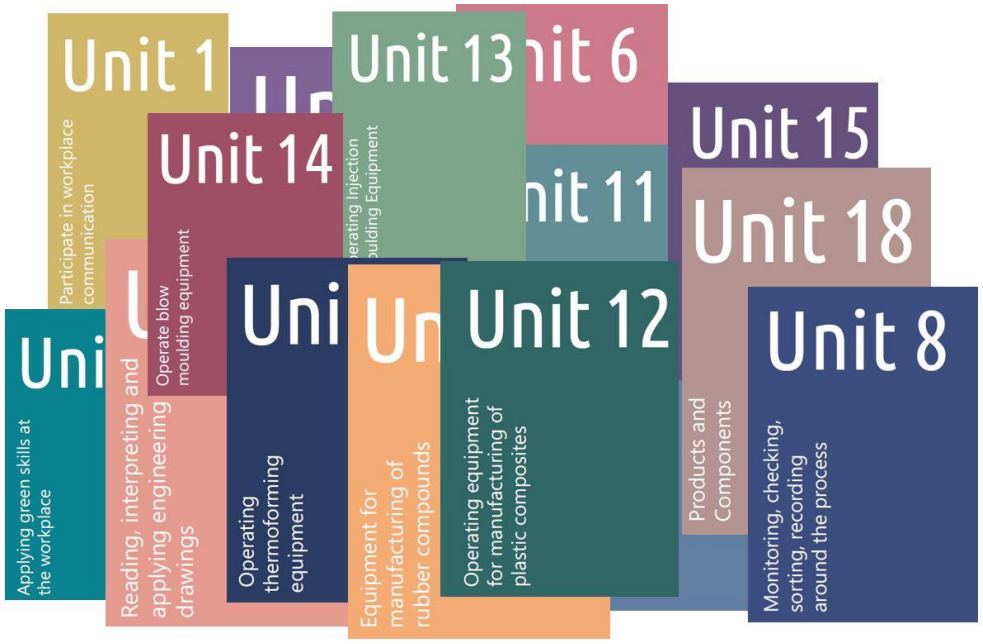

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Illustration of curriculum (EQF 4)

Principles of model curriculum:

- **Basic skills** on manufacturing of plastic products
- **Job-specific skills**
- Programming and **digital skills**
- **Robotics**
- **Green skills**
- ***Lean*** manufacturing
- **Entrepreneurial skills**
- **Health and safety** at work

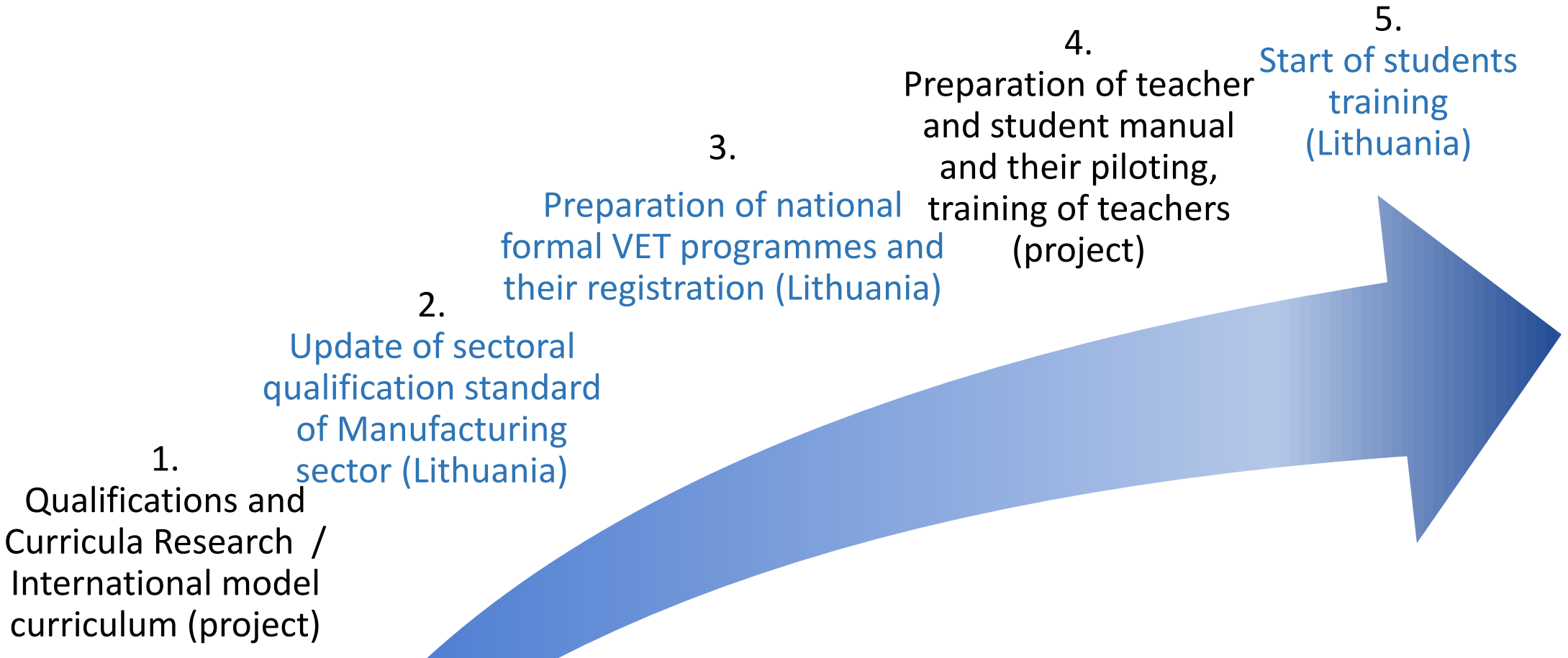
National formal VET programme structure:

- Preparation for manufacturing of plastic products (PP)
- Manufacturing of PP with injection moulding equipment
- Manufacturing of PP with plastic extrusion equipment
- Manufacturing of PP with blow moulding equipment

- Manufacturing of PP with thermoforming equipment
- Modeling and 3D printing of plastic products
- Manufacturing of rubber compounds

Identification, integration and implementation of NQC in the context of Upskill project

Identification	Integration	Implementation



Final reflections

Meso-level dialogue is a prerequisite for ecosystem of new qualifications and competences, especially in emerging or rapidly transforming economic sectors

National level actors should be open to these initiatives and there should be a scheme to integrate them into formal qualifications and curriculum framework (if needed)

A whole package of NQC – needs analysis, qualification profile, curriculum, training material, preparation of trainers

How to guarantee sustainability of initiatives? How to assure smooth and sustainable integration and implementation?

The Lithuanian case shows the following success factors of NQC initiative: proactiveness and leadership of meso-level business management organization, broad international and national partnerships

For enactment of meso level initiatives support from macro and micro levels actors and commitment of meso level actors are essential

More information about UPSKILL

www.upskill-project.eu

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Thank you for your kind attention!