

November, 2021

Newsletter #2

What we achieved so far?

Follow the ACCESS 3DP project on:

<http://access3dp.eu/project/>

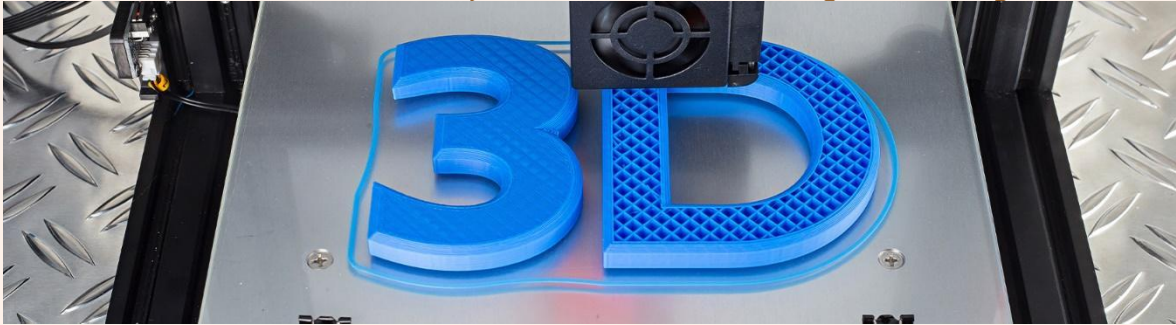
The partner from your country is:

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access-3DP

Art & Creative Craft Enterprises for Successful Streaming of 3D Printing



<https://essentracontent.com>

Project ID:

Full name: Art & Creative Craft Enterprises for Successful Streaming of 3D Printing

Programme:

ERASMUS+ KA202 – Strategic Partnerships for vocational education and training

Project duration:

October 1st, 2020 – March 31st, 2023

Total Grant:

346.963,00 EUR

Partnership:

- [Chambre de Métiers et de l'Artisanat Auvergne-Rhône-Alpes Lyon-Rhône](#)
- [Centro Tecnológico del Mueble y la Madera de la Región de Murcia](#)
- [Centro Tecnológico do Calçado de Portugal](#)
- [Štajerski tehnološki park](#)
- [Technická Univerzita v Košiciach](#)

New technologies, new opportunities



Find more about the project here:

<http://access3dp.eu/project/>

Achievements so far:

A NEW JOINT TRAINING CURRICULUM AS THE MAIN STEP TO DEVELOP 3D PRINTING LEARNING COURSE

The course development for 3D Printing – is taking shape with the newly released definition of its Joint Training Curriculum. The six-modules learning course will provide workers, entrepreneurs, students, and other sectors with the essential knowledge, skills, and competencies required to work with 3D Printing successfully.

The [ACCESS-3DP project](#) achieved a significant milestone towards the development of the new learning programme for 3D Printing. With a comprehensive review from key external stakeholders, the five project partners have outlined a structured training course addressing specific learning outcomes. The developed Joint Curriculum considers the European Framework for Vocational Education and Training (ECVET) system, and that's how formal validation at the European level transfers to countries and organisations. To ensure that it addresses these needs, the ACCESS-3DP Joint Curriculum is based on the report "[Study report on how VET providers can innovate and interconnect traditional and creative craft industries through 3DP](#)", which identified the skills mismatch between the craft and traditional industries concerning AM technologies.

The ACCESS-3DP Joint Curriculum is expected to have a total duration of 250 hours, which is equivalent to 15 ECVET points. It covers six modules:

1. **Innovation process applied in the traditional sector – Design and 3DP;**
2. **Design Thinking & Skills;**
3. **3D Printing & Production Process;**
4. **Current processes – Different fields of application;**
5. **Entrepreneurship and 3D Printing – New business Ideas;**
6. **Advanced Industrial Robotics applied in crafts.**

The [Joint Curriculum report](#) fully describes the ACCESS-3DP Joint Curriculum. It summarises the validation process and an overview of the national education framework in France, Spain, Portugal, Slovakia and Slovenia.

Based on the needs identified in IO1, ACCESS-3DP will impact three target groups. Consortium also recognised the need to personalise the training path according to the needs of the participants, who want to learn and know more about specific topics only. Those participants can express their knowledge needs in particular learning objects in their interest without going through the whole training path. This need is satisfied with the **open-access course**, but with the difference to not achieving final certification for completing the course. Additionally, Consortium prepared the short Questionnaire for participants to help them to identify which topics to address. It will be available inside the online learning platform after participants choose this kind of learning path.

You can find below an overview of the Joint Curriculum and a summary of its content.

Course Title	ACCESS-3DP
EQF level	Level 5 Post-Secondary Qualification
Target group	<ol style="list-style-type: none"> 1. Professionals, Workers, Entrepreneurs. 2. Students, VET providers, Universities, Unemployed. 3. Other relevant stakeholders from traditional sectors, Local education authorities, Policy-makers. 4. Open access course (without certification after completion)

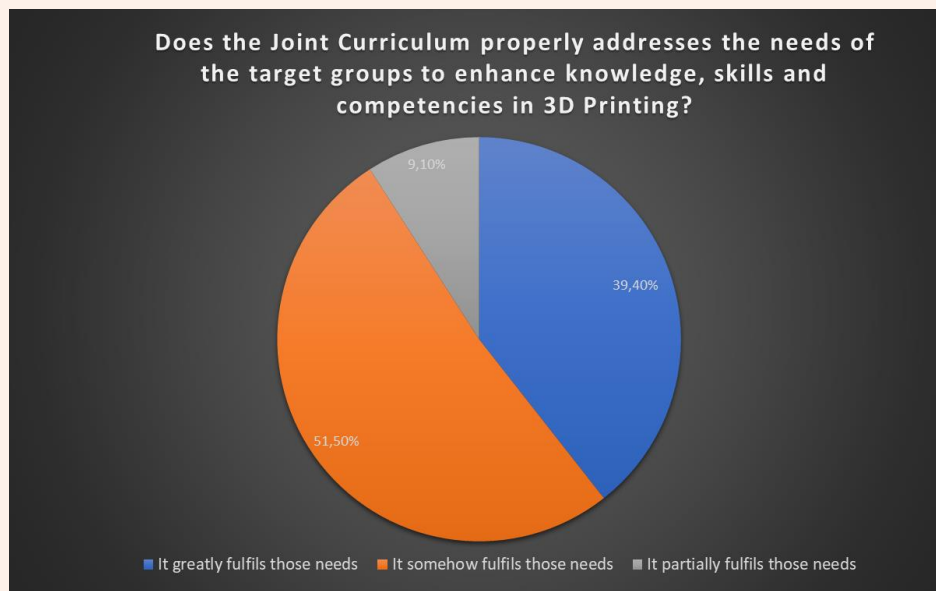
Methodology	Massive Open-Online Course (MOOC)
Pedagogical approach	PowerPoint, Text, Videos
Language	English, with main parts translated to partners' languages

Find more about the Joint Curriculum here:

<https://access3dp.eu/access-3dp-provides-a-complete-joint-curriculum-on-3d-printing/>

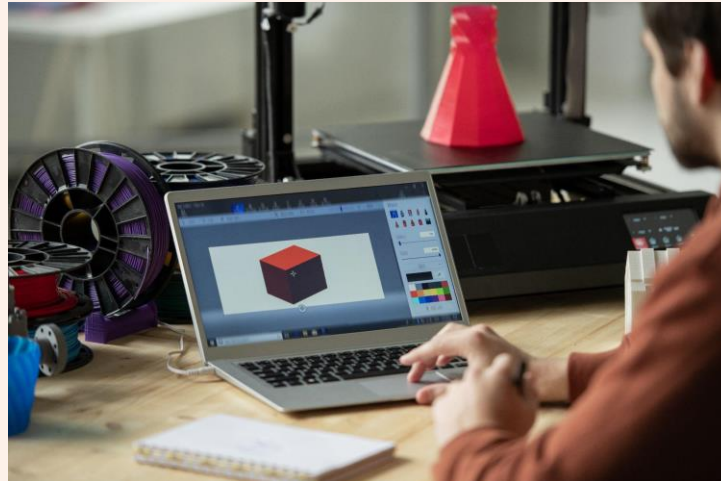
A CURRICULUM ALREADY WIDELY SUPPORTED BY THE SECTOR

Over 33 stakeholders from different countries and backgrounds – such as employees from industries, regional development agencies, technology parks, local and regional administrations, etc. – identified potential weaknesses and opportunities for improvement via a set of questions and provided feedback in terms of relevance, consistency with the objectives defined in the project, impact, and benefits. The very positive results obtained confirm that the Joint Curriculum meets the sectors' expectations. According to the interviews, there is a general harmony between Modules and Learning Objects.



Upcoming activities:

Now that the Joint Curriculum has been outlined, the ACCESS-3DP partners will focus on developing the content of the modules and learning objects, which will be provided through an online training platform by the end of 2022.



Source: Freepik

Meeting in-person:

TUKE, the project partner from Slovakia, organised the first ACCESS-3DP transnational project meeting on 16th and 17th September 2021 in Tehnicom – University Science Park, Košice, Slovakia. All five partners attended the meeting. The main topic of the first-day discussion (September 16th 2021) was the conclusion of the Joint Curriculum. The partners agreed on the shared vision about learning material's content, pedagogical approaches, learning outcomes, and licenses to be used to establish the training course in the future. The second day of the meeting (September 17th 2021) was dedicated to planning the Massive OpenOnline Course platform and developing the ACCESS-3DP training material course. The communication and quality assurance activities were presented. The meeting concluded with the planning of activities in the following months.



Košice, Slovakia, ACCESS-3DP internal resource

Presenting the partner:

The lead partner of IO2 in which the Joint Curriculum was developed is Styrian Technology Park from Maribor, Slovenia. The technology park is supporting SMEs to strive for innovation and technological progress.

Styrian Technology Park (STP) was founded in 1994 as the first Slovenian technology park. It is a public, non-profit body, a technology, business & research support organisation based in Podravje, North-East Slovenia. Besides its headquartered premises (research & industrial area) in Pesnica pri Mariboru, STP manages its activities also within two additional branches/business units (business support centres and incubators) in the centre of the City of Maribor (2nd largest city of Slovenia). STP supports companies operating in different sectors (e.g. efficient use of energy, ICT with KET, smart technologies, creative industries, tool production, robotics, etc.). Thus, STP is constantly engaged in preparing and implementing efficient technical support and advice services according to different sectors of developing companies.

Within almost 28 years of its operation, STP has developed a long-term collaboration with a vast pool of external experts, organisations and networks, competent for and capable of implementing all the needed support services and practical project work on a regional, national, EU and broader international level. STP staff members have been involved in the implementation of numerous R&D&I EU projects, more than 20 own projects and more than 80 projects in correlation with Regional Development Agency, financed through different EU programmes (Interreg - CE, Danube, MED, EEA, FP7, SEE, ERASMUS+, CBC SI-AT, CBC SI-HR, Intelligent Energy Europe, Enlargement Europe, etc.). All members of STP staff have rich experiences managing various research/development/innovation (local, regional, national and EU) funded projects. More info: <https://www.stp.si/>



Maribor, source: City Guide Maribor