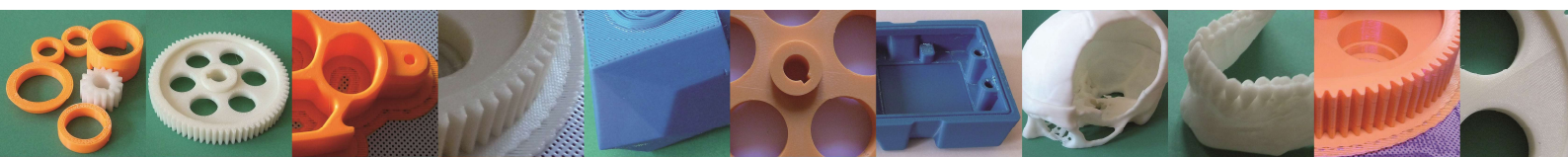




## NEWSLETTER ISSUE 1



### MAIN PROJECT INFO

**Title:** Specialist in 3D printing - specialized training in application of 3D printing and practical use of acquired knowledge

**Acronym:** 3DSPEC

**Contract:** 2016-1-PL01-KA202-026335

**Duration:** September 2016 - August 2019

**Coordinator:** KOMAG

### WELCOME

Welcome to **the first 3DSPEC newsletter** which will provide you with most important information and latest news regarding the **3DSPEC project**.

**THE MAIN OBJECTIVE** of the 3DSPEC project is development of a comprehensive **on-line C-VET course on 3D printing** which provides knowledge and skills necessary for application of this technology in areas like: **design, education and health care** as well as in sample **activities conducted by SMEs**.

**Detailed information** on the 3DSPEC project – activities, events, products etc. you can find on the **project website [www.3dspec.eu](http://www.3dspec.eu)**.

We hope you'll find the project and its products interesting and useful in your professional practice, and beyond.

*3DSPEC Team*

### WHY 3DSPEC PROJECT?

**3D printing** technology becomes more and more **popular** and **cheap**, and covers **an increasing number of areas**, giving **new opportunities**.

**Mastering of 3D printing** and its **application in professional practice** became **recommended and expected**. This situation has caused a **need for training** providing knowledge and skills necessary for use of **3D printing in particular professional activities**.

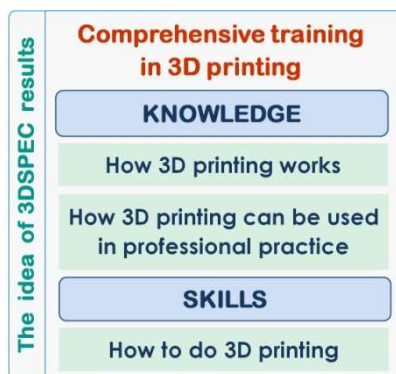
**THERE IS LACK OF ACCESS TO PROPER C-VET TRAINING ON 3D PRINTING**. Despite increasing 3D printing's popularity and affordability, **there are no comprehensive courses** that **explain** the technology and provide **examples of its use** in work practice in particular professions, and also:

- ♦ are available **on-line** (proper accessibility)
- ♦ give trainees opportunity of **practical use** of acquired knowledge by **hands-on 3D printing**, despite not having necessary hardware and software by them.

**3DSPEC PROJECT AIMS TO FILL THIS GAP** by:

- ♦ development of **3DSPEC course**: a **freely accessible, comprehensive online C-VET course** on 3D printing, intended **for professionals** operating in **education, design, health care**, and in **SMEs**

- ♦ **Internet platform for ordering of 3D printing and 3D printing centre:** solutions for **practical use** of 3D printing **by the trainees**.



## PROJECT CONSORTIUM

### 3DSPEC IS A COMMON EFFORT OF:

- ♦ KOMAG: Institute of Mining Technology KOMAG, Gliwice, Poland – **is the coordinator**
- ♦ PCKZiU: District Centre for Vocational and Continuing Education, Wodzisław Śląski, Poland
- ♦ IBV: Biomechanics Institute of Valencia, Spain
- ♦ EXOVITE: Exovite Hemo Medical Solutions, S.L., Saragossa, Spain
- ♦ SCV: School Centre Velenje, Slovenia.

There are **5 partners** from **3 different countries**, among which there are two **research institutes**, two **vocational schools** and one **SME**.

## NEWS: PROJECT MEETINGS

There were **TWO PROJECT MEETINGS** so far:

- ♦ 29.11.2016 - **Kick-off meeting** held and hosted by KOMAG at their site



- ♦ 08.13.2017 - **Intermediate progress meeting** – via Internet (videoconference)



## NEWS: LEARNING EVENTS

03-07.04.2017 - a **SHORT-TERM JOINT STAFF TRAINING EVENT** hosted by EXOVITE took place.

Representatives from **KOMAG**, **PCKZiU** and **SCV** participated in a 5-day **training on 3D printing to increase their knowledge and skills**.

Beside EXOVITE, other institutions were also visited: ETOPIA in Saragossa, Universidad Pública de Navarra in Tudela, Centro San Valero in Saragossa.



All training participants acquired Europass-Mobility



Workshop on development of splints with use of 3D printing



Seminar on 3D bioprinting

Regarding **platform** for 3D printing, **concept** of the software is already created and **implementation activities started**.

## CONTACT INFO

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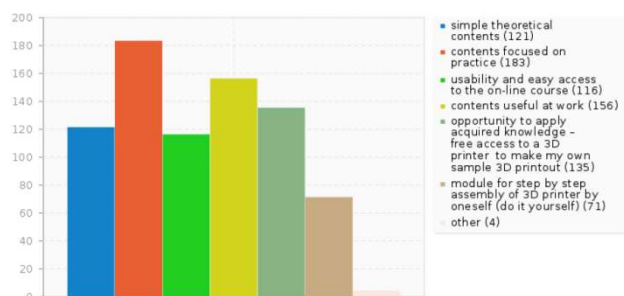
facebook: [www.facebook.com/3dspec/](https://www.facebook.com/3dspec/)

## CURRENT ACTIVITIES

Now **we are working on** development of:

1. Curriculum for the 3DSPEC course.
2. Platform for 3D printing.

The **first step** of development of the **curriculum** is **completed** - identification of needs of potential 3DSPEC trainees. **Surveys, focus groups and structured interviews** with representatives of education, designers, health care and SMEs were conducted. Survey was carried out mainly with use of **electronic questionnaires**, in dedicated software. **265 respondents** took part in the research. Sample of data obtained is presented in the figures below.



Answers for a question: Indicate your requirements regarding on-line course on 3D printing



Answers for a question: Specify your current knowledge on 3D printing