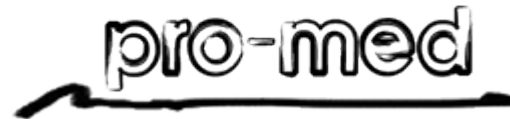# MOOCs in SP4CE - case studies
(Strategic Partnership for Creativity and Entrepreneurship)

Anna Grabowska

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PRO-MED sp. z o. o.

Runtime: September 2014 – August 2017
Supported / co-funded by: ERASMUS+

Partners

1. Co-ordinator - PIAP (Poland)
2. PRO-MED (Poland)
3. TUKE (Slovakia)
4. ASTRA (Slovakia)
5. TREBAG (Hungary)
6. IDEC (Greece)

Skype™ [1] - bl_anka
Skype Osoby Konwersacja Rozmowa Widok Narzędzia Pomoc
skype

Ewa Kozłowska   Paulina Pałasz
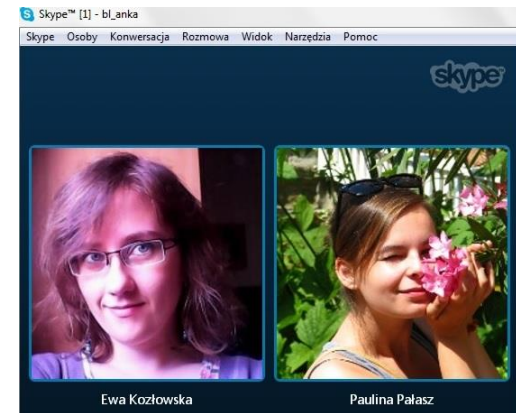
Case Study Team

The project SP4CE aims at design and elaboration of innovative common tools for collaboration between students, enterprises and schools.

The main impacts of SP4CE

➢ Students have an opportunity to learn about enterprises' activities and they can interact with coaches.

➢ They are able to enter the labour market having real professional experience.

➢ Enterprises receive required knowledge and possibility to recruit students who have concrete skills and competences.

SP4CE portal – sp4ce.eu

SP4CE Learning Materials

Output O2
SP4CE pedagogical concept
Activity leader: Technical University of Košice -TUKE
Date of delivery: 26/01/2016

CONTENT

By PRO-MED

By PRO-MED

By PRO-MED

Learning Rooms in Moodle

The best tools for communication that can be used in Learning Rooms

What do you consider as the best tool(s)?

- 29% Forum
- 12% Chat
- 18% Wiki
- 15% Assignment
- 3% Workshop
- 23% Supporting Materials
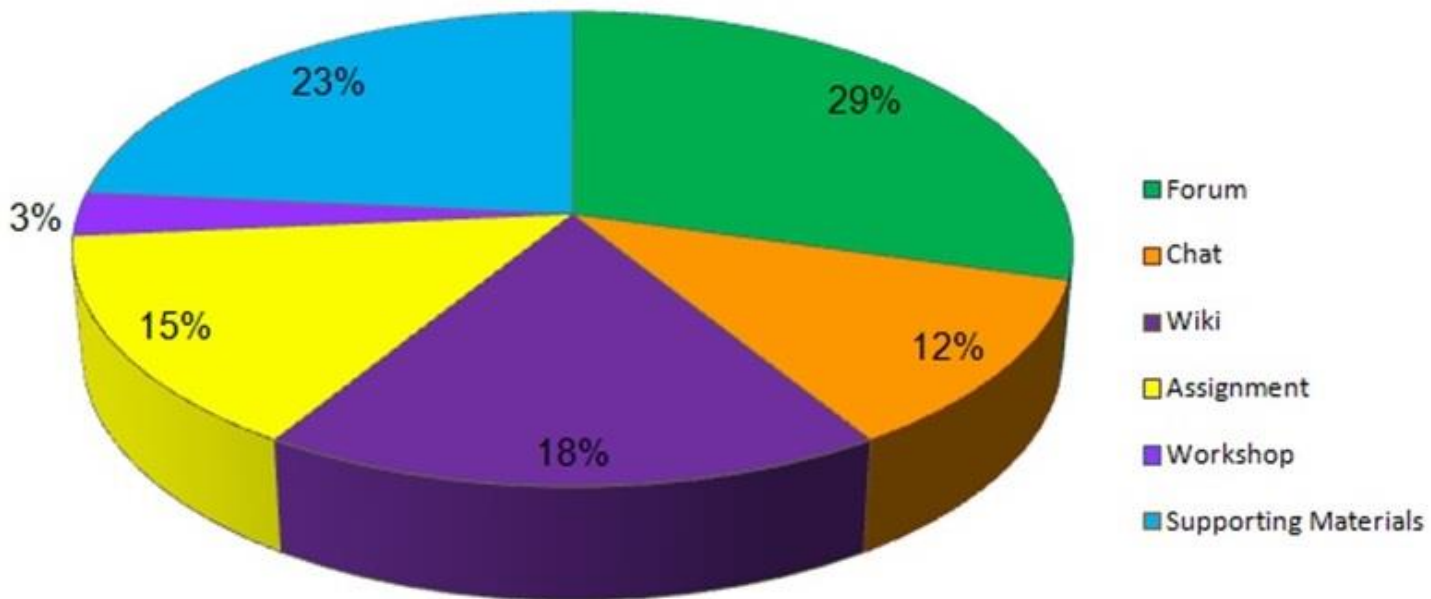
Why Local Administrators?

Administrators of
sp4ce.eu (WordPress)

Name	Institution	Country	Status
Anna Czaja	PRO-MED	Poland	Main ADM
Dana Palova	TUKE	Slovakia	Local ADM
Olga Anagnostaki	IDEC	Greece	Local ADM
Anna Grabowska	PRO-MED	Poland	Local ADM
Jacek Zieliński	PIAP	Poland	Local ADM
Gabriella Kengyel	TREBAG	Hungary	Local ADM

Administrators of Learning Rooms
sp4ce.moodle.pl (Moodle)

Name	Institution	Country	Status
Anna Grabowska	PRO-MED	Poland	Main ADM
Dana Palova	TUKE	Slovakia	Local ADM
Olga Anagnostaki	IDEC	Greece	Local ADM
Ewa Kozłowska	PG	Poland	Local ADM
Jacek Zieliński	PIAP	Poland	Local ADM
Gabriella Kengyel	TREBAG	Hungary	Local ADM

An Example Learning Room
for ICETA 2016

MOOCs in SP4CE

➢ In SP4CE project the subject about MOOCs appears in the training module "Strengthening competencies with MOOCs".

➢ This module contains the definitions, history of development and examples of good practice connected with Massive Open Online Courses.

➢ The training materials will be available on the SP4CE project portal in 5 languages.

➢ Learning Rooms were developed in Moodle and there was a need for ADMs training.

Moodle MOOC certificate – an example

CERTIFICATE OF COMPLETION

This is to certify that

Anna Czaja

has completed the Learn Moodle MOOC run by Moodle HQ

Teaching with Moodle (Jan 2016)

11 February 2016

'Teaching with Moodle' is a 4-week introductory course in which
participants experience Moodle as a student and have the
opportunity to begin creating their own teaching activities.
For more details, visit https://learn.moodle.net.

ZKpVoi5UHL

Fusion 360 MOOC

https://www.udemy.com/product-design-fusion-360/

Product Design in Autodesk Fusion 360 from idea to prototype

Design a product starting from first sketches to complex forms, assemblies and CNC machining

★ ★ ★ ★ ★ 4.6 (1,521 ratings) • 9,674 students enrolled

Instructed by Autodesk Education   Design / 3D & Animation

Free

Start Learning Now

More Options ▾

Lectures	33
Length	4 hours
Skill Level	All Levels
Languages	English, captions
Includes	Lifetime access
	30 day money back guarantee!
	Available on iOS and Android
	Certificate of Completion

♡ Wishlist

About This Course   Curriculum   Instructor   Reviews

**Lectures - 33
Length - 4 hours
Skill Level - All Levels
Languages - English
Available on iOS and Android
Certificate of Completion**

Certificate of Completion

This is to certify that Ewa Kozłowska successfully completed the Product Design in Autodesk Fusion 360 from idea to prototype online course on Aug. 22, 2016

Autodesk Education
Autodesk Education, Instructor

&

udemy

Certificate of Completion

This is to certify that Tomasz Kocejko successfully completed the Product Design in Autodesk Fusion 360 from idea to prototype online course on Oct. 13, 2016

Autodesk Education
Autodesk Education, Instructor

&

udemy

What is Fusion 360?

➤ Fusion 360 is a cloud-based CAD/CAM tool for collaborative product development.

➤ Fusion 360 is free for students, educators, and academic institutions.

➤ Using Fusion 360, students can develop their skills in order to become tomorrow's engineers, product designers, and industrial designers.

https://www.youtube.com/results?search_query=what+is+fusion+360

We plan to develop MOOC Fusion 360 in SP4CE (Polish)

We plan to develop MOOC Fusion 360 in EMMA (English)
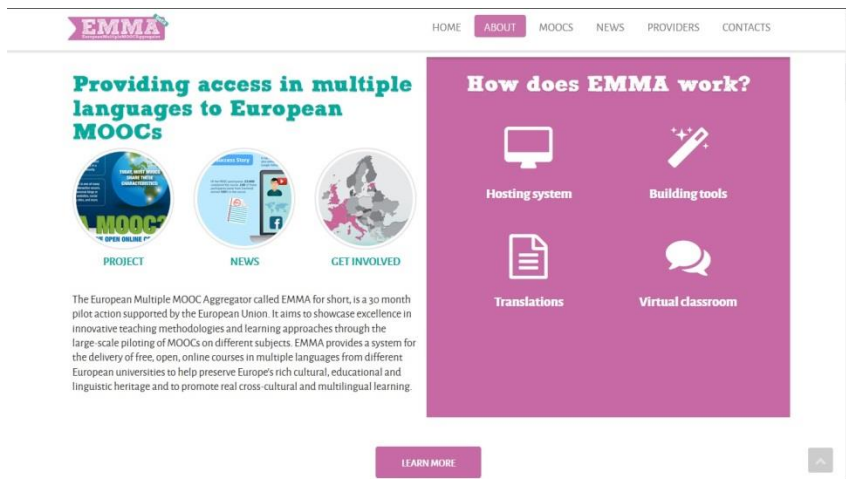
➢ The European Multiple MOOC Aggregator called EMMA for short, is a 30 month pilot action supported by the European Union.

➢ It aims to showcase excellence in innovative teaching methodologies and learning approaches through the large-scale piloting of MOOCs on different subjects.

➢ EMMA provides a system for the delivery of free, open, online courses in multiple languages from different European universities to help preserve Europe's rich cultural, educational and linguistic heritage and to promote real cross-cultural and multilingual learning.

EMMA providers

Introducing ACSA PG as a MOOC provider in EMMA

Case Study (1)
Co-operation in clouds

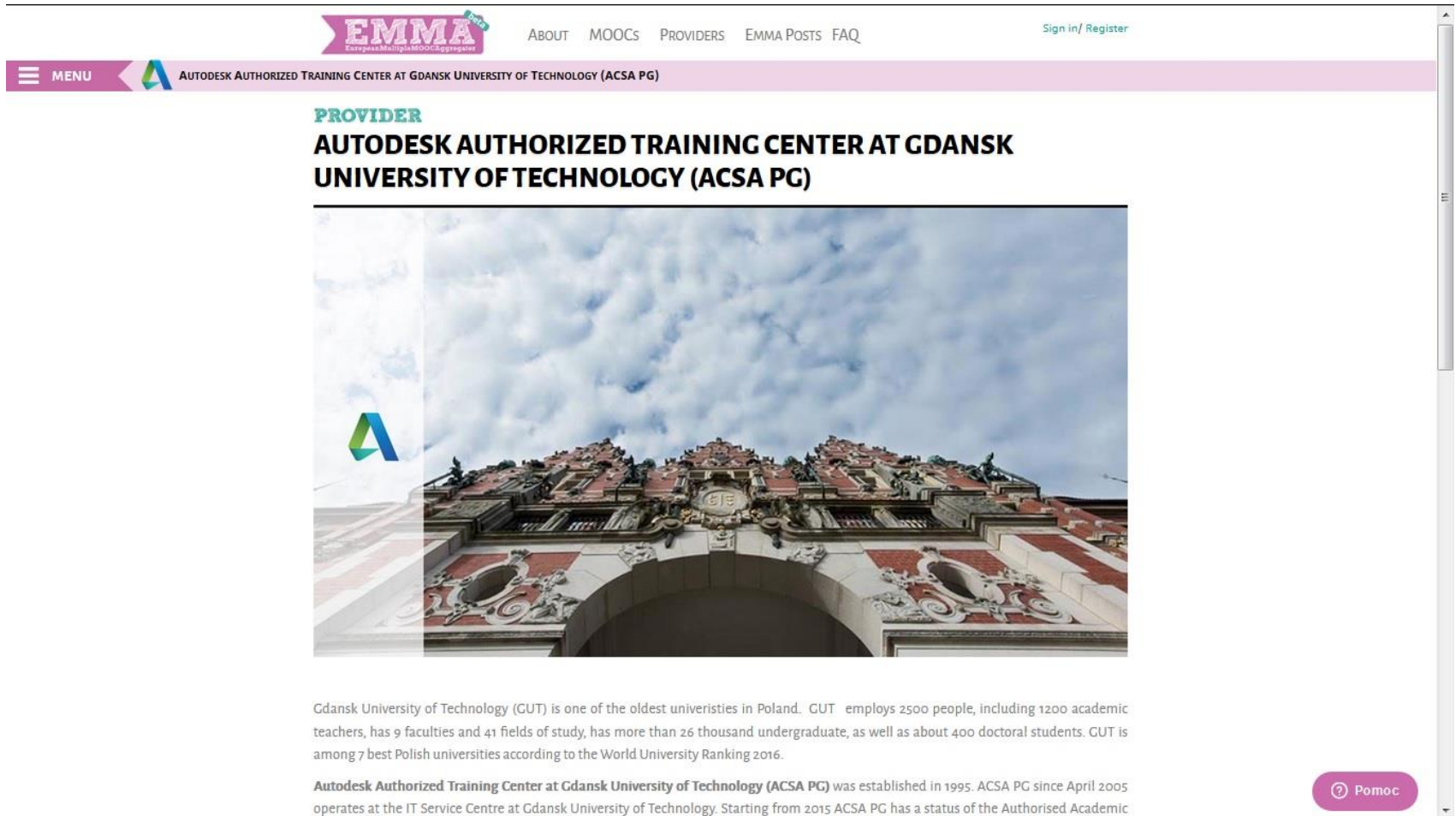➢ Creating projects in the cloud and using the idea of distance communication give the possibility of interdisciplinary cooperation between medical academic centres and technical institutions.

➢ Transferring the communication and work to the cloud reduces the time of the project's creation and realization.

➢ Working in clouds enables diagnostics and medical consultation, surgical treatment planning, creating new solutions and methods, discussing the use of biocompatible materials etc.

Case Study (2)

The patient comes to the doctor and gives the asymmetry within the right side of the face, it is probably tumor.
MDCT (MultiDetector ComputedTomography) examination is done
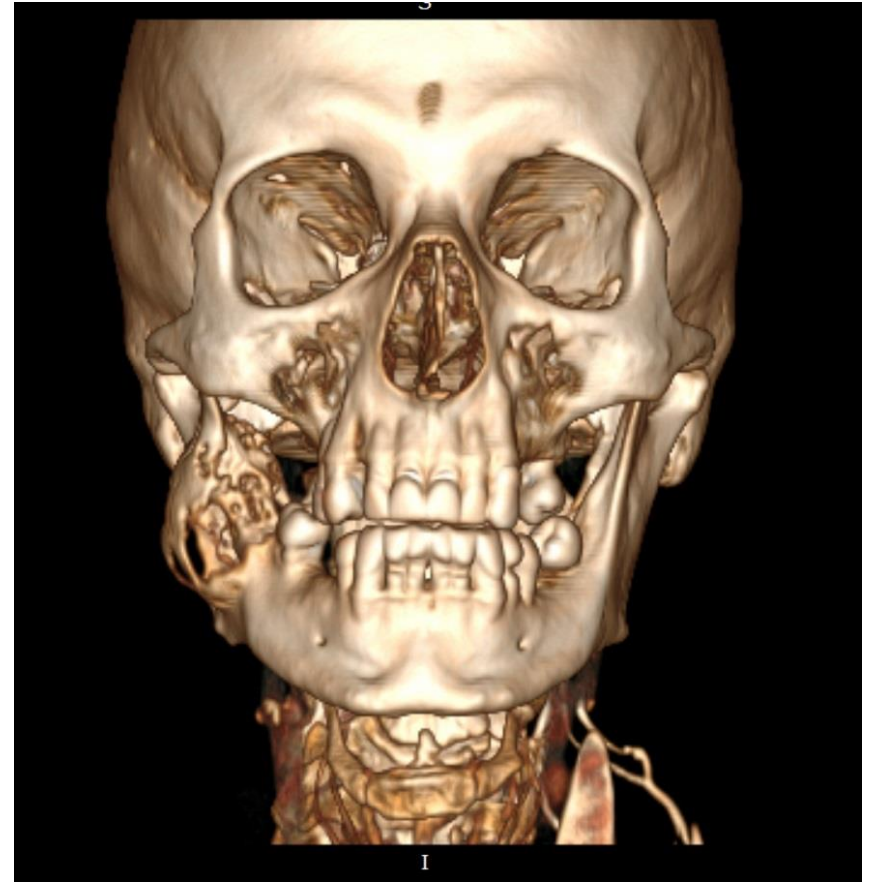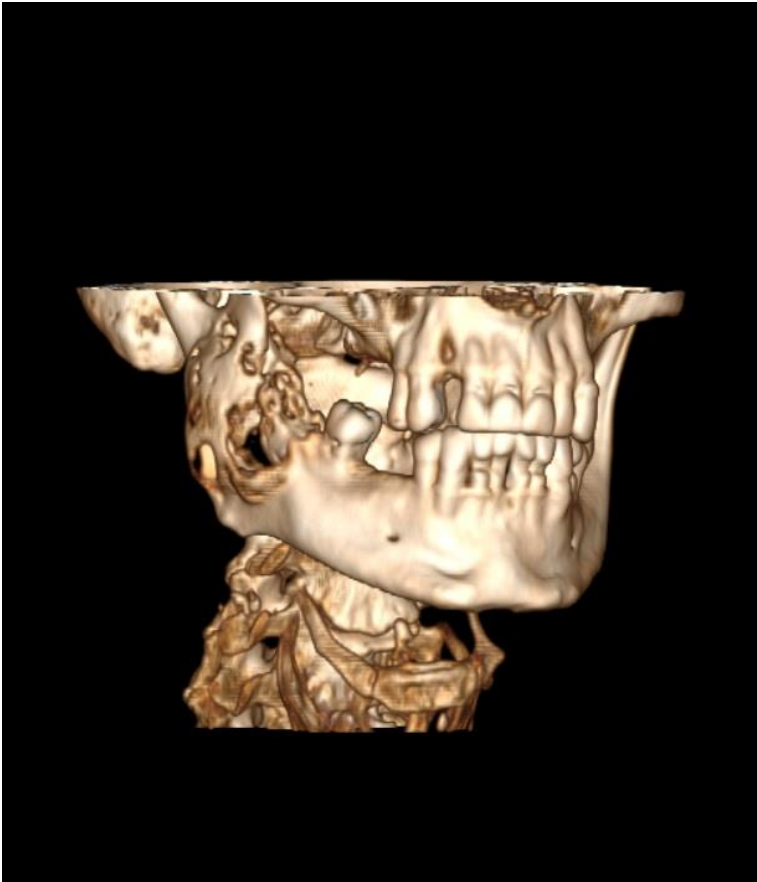
Case Study (3)

Modelling treatment - surgeons and engineers propose a solution that will remove the tumor
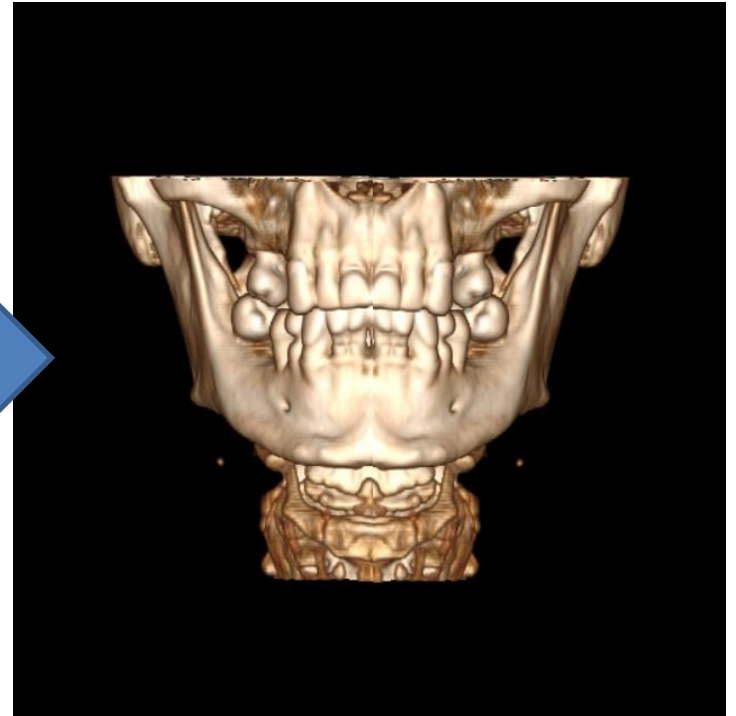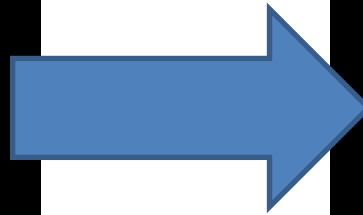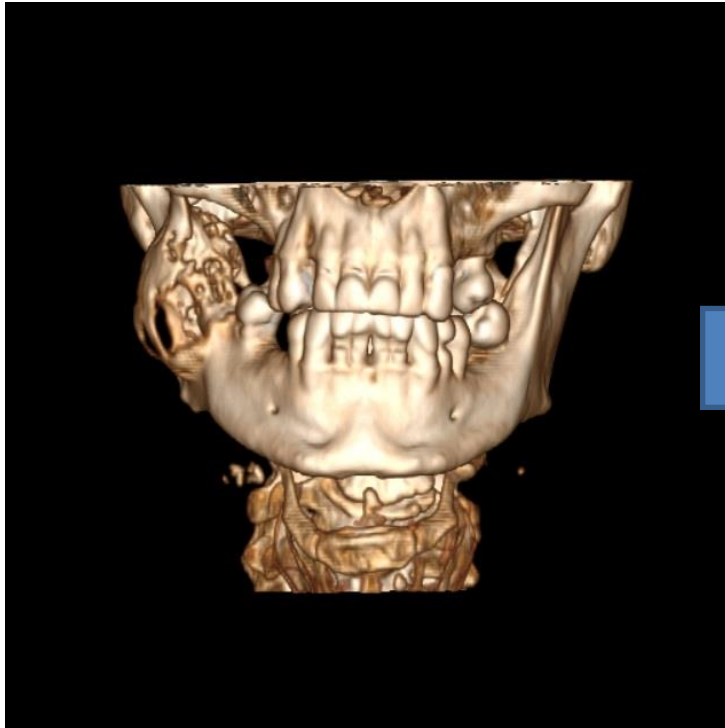
Case Study (4)

An engineer translates 3D computed tomography for the Fusion 360 program in order to help design and print the implant.

Designing in Fusion 360

3D printing
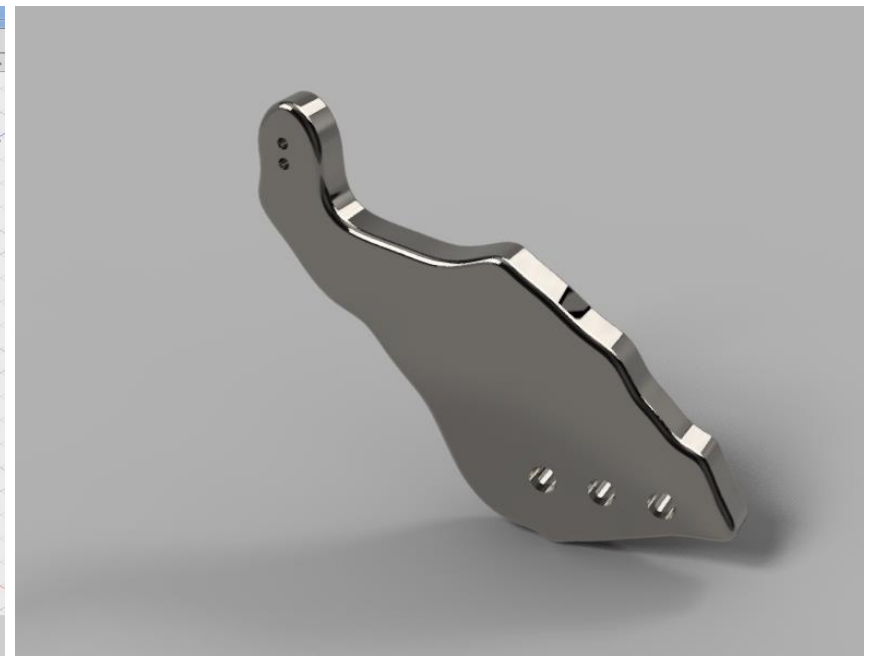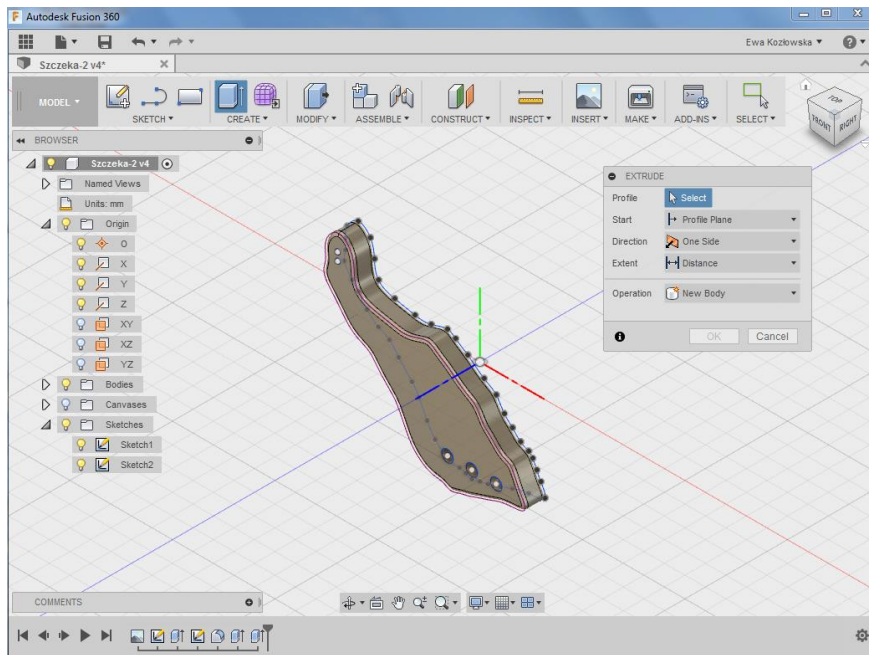
Invitation to the SP4CE
Anna Czaja, Ewa Kozłowska, Paulina Pałasz

▶ SP4CE stands for Strategic Partnership for Creativity and Entrepreneurship ERASMUS+ project.

▶ Partners: PIAP (Poland), IDEC (Greece), TREBAG (Hungary), PRO-MED (Poland), TUKE (Slovakia), ASTRA (Slovakia).

▶ Project aims at design and elaboration of innovative common tools (portal) for collaboration between students, enterprises and schools.

▶ Welcome to http://sp4ce.eu and send us your project proposal.

The most interesting projects will be invited to the workshop at eTEE 2017 in Gdansk

The SP4CE portal concept is based on the following coaching and mentoring principles:

▶ Companies willing to find young workers send a project (e.g. problem to be solved).

▶ The case is presented to students.

▶ Based on proposed solutions the company selects the student(s) and give them coach(es) who co-work with students.

▶ Mentors (teachers) from universities guide students in Learning Rooms.

Welcome to http://sp4ce.moodle.pl

We are pleased to invite you to

the 4ᵗʰ *e-Technologies in Engineering Education* conference

which will take place at

Gdańsk University of Technology, Poland,
on 27-28 April 2017.

eTEE e-Technologies in Engineering Education

During each of the previous conferences more than 100 participants from Poland and other countries shared their e-learning experiences.
The upcoming conference aims to popularize the latest technologies and good practice in engineering education, as well as increase knowledge about how to design and run various web-enhanced courses, create online resources and multimedia software, apply m-learning and blended learning strategies.
The conference will be held under the patronage of

The Rector of Gdańsk University of Technology
Professor Jacek Namieśnik
and
The Rector of the AGH University of Science and Technology
Professor Tadeusz Słomka

and will be supported by the magazines
EduAkcja, Research Journal of ECED, and *e-mentor*.

More information at
http://pg.edu.pl/etee2017/main

We look forward to seeing you there!

Thank you for your attention

Welcome to SP4CE portal

[sp4ce.eu](sp4ce.eu)