

Project development

During the last six months, partners performed several defining tasks for progress of the project:

- The Online Learning Platform (WP4) was progressively updated by VC;
- The translations in RO, ES, and PT were completed for all modules and the lessons were transformed into animated versions and progressively uploaded on OLP (WP5).
- Face to face piloting sessions (WP5) gathered 65 participants ant they have been successfully run in IED (2), TUIASI (4) and University of Salford (1). Based on the request of the target group, a supplementary session was scheduled at IED and one more was performed at TUIASI; Partners nominated international experts and stakeholders to evaluate the OLP. VC made the preparations for registering these participants and the online sessions started in September, as the final content was validated by this international evaluation. All lessons, tests and supportive movies and resources were corrected and improved based on the feedback received from piloting sessions in RO, ES and UK.
- The exploitation event was organized by INESCOP and it was a successful event held in Elda at the end of July;
- The Copyright, IPR agreement and the Business Plan (WP7) have been produced by RED 21 and INESCOP and they are available for project sustainability and further developments based on a common exploitation agreement;
- All 4 volumes of Handbooks and the Multimedia Supportive Tool were printed by TUIASI;
- Dissemination actions (WP6) have been intensified, including several presentations of the project in international conferences and events. Also a significant presence of INGA 3D project on press released, internet and social media

INGA 3D presence in international events

- One-Day Conference “Footwear and Orthotic Research & Innovation for Healthier Feet” within the framework of the EU project SOHEALTHY in Manchester/ UK, 26 February 2014
- 10th edition of the International Conference on eLearning and Software for Education – ELSE 2014, Bucharest/Romania, April 2014
- Regional Event “Leather is My Job”, Bucharest/Romania, 28 April 2014
- XVIII-th International Exhibition of Research, Innovation and Technological Transfer “INVENTICA 2014”, Iasi/Romania, 2-4 July 2014
- CORTEP2014 international conference, Poiana Brasov/Romania, 4-6 September 2014
- MOMAD exhibition- International Fashion Trade Show, Madrid/Spain, 12-14 September 2014
- The 15-th European Conference E-COMM-LINE 2014, Bucharest/Romania, 7-8 October 2014
- ICAMS 2014 International conference, Bucharest/Romania, 23- 24 October 2014
- Co-Shoes International Workshop, Alicante/Spain, 22-23 October 2014
- European Skills Council for Textile, Clothing, Leather and Footwear, Brussels/Belgium, 9-28 November 2014
- Sohealthy project Working Group Meeting, Barcelona /Spain, 11-12 February 2015
- Workshop Competitiveness Enhancement and Enterprise Development Project II (CEED II), Chisinau/ Moldova, 23-27 March 2015
- AUTEX 2015 World Textile Conference, Bucharest Romania, 10-12 June 2015
- the Regional Conference "Cooperation between Education and the World of work: Focus on Work based Learning", Budapest/ Hungary, 11-12 June 2015
- The XIX-th International Exhibition of Inventics, Research and Technological Transfer "INVENTICA 2015", Iasi/ Romania, 24-25 June 2015
- Final workshop organized by INESCOP in Elda/ Spain, 20-21 July 2015, 150 participants from 7 countries (ES, PT, UK, RO, IT, TN, MA), <http://www.inga3d.eu/final-event/>

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Creative Transfer of Competence in 3D
Footwear CAD to VET Professionals

Exploitation Workshop

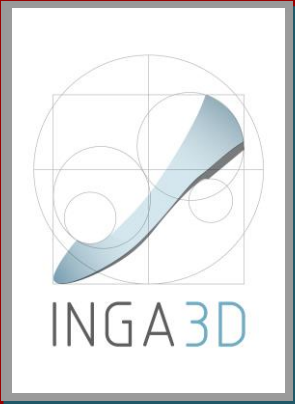
A two-day large event was organized by INESCOP in Elda/Spain, on 20th-21st July, titled “Innovation and advanced technologies at the service of the foot health: prevention, diagnosis, design, footwear, orthotics and materials”. This conference was jointly organized by four European funded projects addressing to the footwear sector: INGA3D, SOHEALTHY, NANOFOOT and EXPLORE. The conference agenda included three blocks:

- Key aspects of the advances in foot care technologies: prevention, diagnosis and materials
- Practical workshops on the use of new technologies and innovative solutions in the footwear sector
- Brokerage event: capitalizing on innovation opportunities

After the plenary presentations, six workshops were held in parallel on the second day of the event, repeating each workshop six times to allow all the participants to attend all workshops.

The INGA 3D project’s achievements were presented by coordinator in a plenary lecture and all partners sustained it through dissemination materials, demonstrations and discussions during practical workshops. The main goal of INGA 3D’s presence in this event was to show the audience the importance of establishing stronger relationships between industry and training and education providers.

Totally, 150 participants attended the event. The conference had an excellent attendance rate of foreign participants and speakers that came from 6 EU-Med countries.



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Project Results

- Peer Learning Scenarios in Footwear Computer Aided Design
- INGA 3D training program for 125 hours, based on Learning Outcomes and articulated to ECVET system
- 3D Footwear Computer Aided Design – Handbook in four modules, designed in an effective educational approach to modules and units of learning outcomes.
- Multimedia supportive guide for VET teachers, trainers and tutors
- INGA 3D Online Learning Platform
- Piloting training sessions based on blended learning in Spain, Romania, Portugal and UK
- Setting up sustainable facilities for Footwear CAD training with Icad 3D+ software in partner organizations

www.inga3d.eu



Project development

The final meeting of INGA 3D project was held in Madrid, Spain, on 21-22 of October 2015. A specific session was dedicated to Quality Assurance, including analysis of all work packages, namely for what final report on project tasks and monitoring indicators.



Testing and Implementation

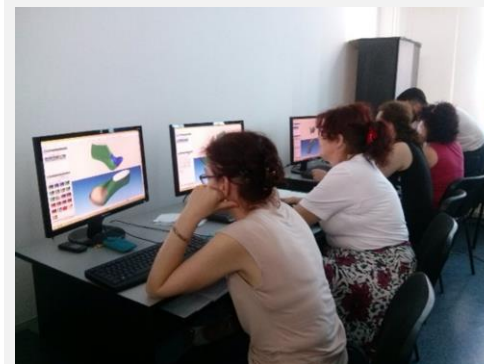
The piloting training sessions based on blended learning in Spain, Romania and UK have been carefully prepared by installing the Icad 3d+ software at the training facilities and laboratories in Gheorghe Asachi Technical University of Iasi (RO), University of Salford (UK), and IED Madrid (ES). In order to successfully test and pilot the INGA 3D training program, the following stages were considered:

- Identification of groups (VET professionals) for pilot training in each country (RO, ES, PT, UK)
- Definition of implementation plan/strategy
- Alfa testing with group of trainers and feedback followed by corrections and improvements on training content (3 participants)
- Beta testing with group of trainees and feedback followed by corrections and improvements on functionalities of the Online Learning Platform (5 participants)
- Seven face-to-face piloting sessions with 65 participants and one online session with 12 participants.



Participants have filled the online feedback questionnaires at each piloting sessions. Apart from the necessary information for improvements of the training contents and e-learning tools, all piloting sessions bring positive comments, such as:

- ‘The course has been pleasant to be part of a really great experience as my knowledge of this software is non-existent. I feel I have learnt a great deal of information in regards to the use of the software ‘(participant in UK)
- About 80% of the participants think the course got enough aids and materials delivered, they think too that the teacher aids was good. Nearly all participants feel they have gained enough skills to use the program and the necessary knowledge of the program, which they used for their work. (Spain)
- ‘For me this course presented an interesting experience. Even my field of interest is completely different from footwear design; it was quite easy to follow this course. The contents support the learning objectives and the media used are understandable and well displayed’ (participant Romania).



Piloting sessions in Spain



Two pilot courses of INGA 3D in Spain were held in IED Madrid, from 4th to 8th of May 2015, respectively from 5th to 8th June 2015.

1st group had 13 participants, 5 of them are teachers and the rest of the participants are designers and managers. The 2nd group had 5 participants; all of them are students of degree at IED Madrid.

The participants appreciated that they have received right skills to apply the INGA 3D knowledge on their jobs; overall they were satisfied with this short training course. INGA 3D training contents are accessible both to learners who have previous knowledge about footwear design and to the ones who are still studying. This versatility of the content allows for training to both skilled people in design, with or without previous knowledge on CAD, and to people who are starting a study program in design.

Piloting sessions in United Kingdom

The piloting session was held at the University of Salford, UK from 22nd to 24th June.



There were 12 participants. Three of them are technical demonstrators/teachers in the school of Arts and Media at the University of Salford, 2 of them were design students from DeMontfort University, four were from companies who are involved in training and tutoring within their respective companies. Two participants were new graduates in Prosthetics and Orthotics and one a technician who works on the Prosthetics and Orthotics programme. In order to be able to complete Module III the participants were required to complete Module I with the focus being on Unit II.

The pilot of Module III has been helpful in relation to further development of the resources and the pre- learning. Overall the participants completed the design of one orthopaedic shoe and most managed to complete some of the modifications. Learning the skills alongside gaining knowledge about high risk feet were noted highlights as was the one to one teaching. Those with previous experience of CAD commented that they has enjoyed and valued the experience of using this in relation to the design of footwear, particularly with the underpinning knowledge of the high risk foot and the design features needed for people with these complications.

Piloting sessions in Romania

The piloting sessions were held in Gheorghe Asachi Technical University of Iasi, TUIASI, from 30th of June to 10th of September 2015, in Iasi (Romania), during 4 sessions.

There were 35 participants selected: 4 lecturers from TUIASI; 25 teachers from VET schools; 1 teacher from secondary school.

There were also 2 students enrolled in pedagogical course of TUIASI; 1 designer from enterprise, involved in training and tutoring activities in the company; 2 stakeholders - 1 expert form INCDTP Research Centre Bucharest and 1 inspector from Iasi County School Inspectorate.

The course was quite intense and all participants accessed the online platform during the course as support training material for exercising and self learning. As the groups were quite mixed in terms of level of skills in using CAD software, the trainers provided one to one instruction in order to get some of the participants to the same level as the others. It was reinforced the need for a successful completion of Module I before starting Module II.

The piloting sessions on Module I and II in TUIASI have been relevant in relation to improvements and further developments of the INGA 3D training resources and tools. Overall the participants achieved skills and competences in using Icad3d+ software, and all of them have completed the design for minimum one model.



Online session

This training session was coordinated by Virtual Campus, Portugal and had 12 participants; 6 of them from ARS Sutoria, Italy; 1 from Zavod IRCUO, Slovenia; 1 from Czech Footwear and Leather Association, Czech Republic; 1 from CTCP Portugal; 2 from International Shoe Competence Center Pirmasens, Germany and 1 from Klaveness company, Portugal.



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