



INGA 3D - Creative transfer of competence in 3D footwear CAD to VET professionals

LLP-LdV-Tol/2013-RO-024

WP7-Exploitation

Exploitation Workshop Report

Prepared by INESCOP

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Annex I. Attendance Register (General)

Annex II. Summary of dissemination actions

1. INTRODUCTION

The Exploitation Workshop of the INGA 3D project had the aim of presenting not only the project's results but also to show the audience the importance of establishing stronger relationships between the industry, training institutions and the clinical world, and the importance of undertaking some urgent measures in each participant country. These suggested measures come from the shortcomings detected in the Desk Research of the INGA 3D project and list of recommendations of the Strategic Research Agenda (SRA) of the SOHEALTHY project.

This event was jointly organised by 4 European projects, namely

- **INGA 3D:** Creative transfer of competences in 3D footwear CAD to footwear professionals (No. LLP-LdV-ToI/2013-RO-024)
- **SOHEALTHY:** Mediterranean research network on footcare sector (FP7-INCO-2013-9-609575)
- **NANOFOOT:** Materials, Components and Footwear with enhanced comfort properties based on nanotechnologies (grant agreement n° FP7-SME-2013-2-606570)
- **EXPLORE:** Extended exploitation of European research projects' knowledge and results (No. 609226)

Each project participated in different blocks of the event as detailed in the next sections. The co-organisation by the four European projects is in line with subtask 3.4.2. *Clustering activities for projects covering the same region* of the SOHEALTHY project, since both NANOFOOT and INGA3D are related to footwear and some of the research areas covered by the strategic research agenda, which had been developed in the framework of the SOHEALTHY project. The EXPLORE project participated in the organisation of the brokerage event, as this project tries to collect new project ideas/ results to include them in a database where users can read them and express their interest in participating through different ways (exploitation of results, participation in new projects, etc).

As a result of an intensive promotion work, 167 people registered to participate in the event, out of which 150 participants finally attended the event, as it can be seen in Annex I of this document.

It is to highlight that the conference had a good participation rate of foreign participants and speakers (23 out of 150 participants and 8 speakers), that came from 6 EU-Med countries.

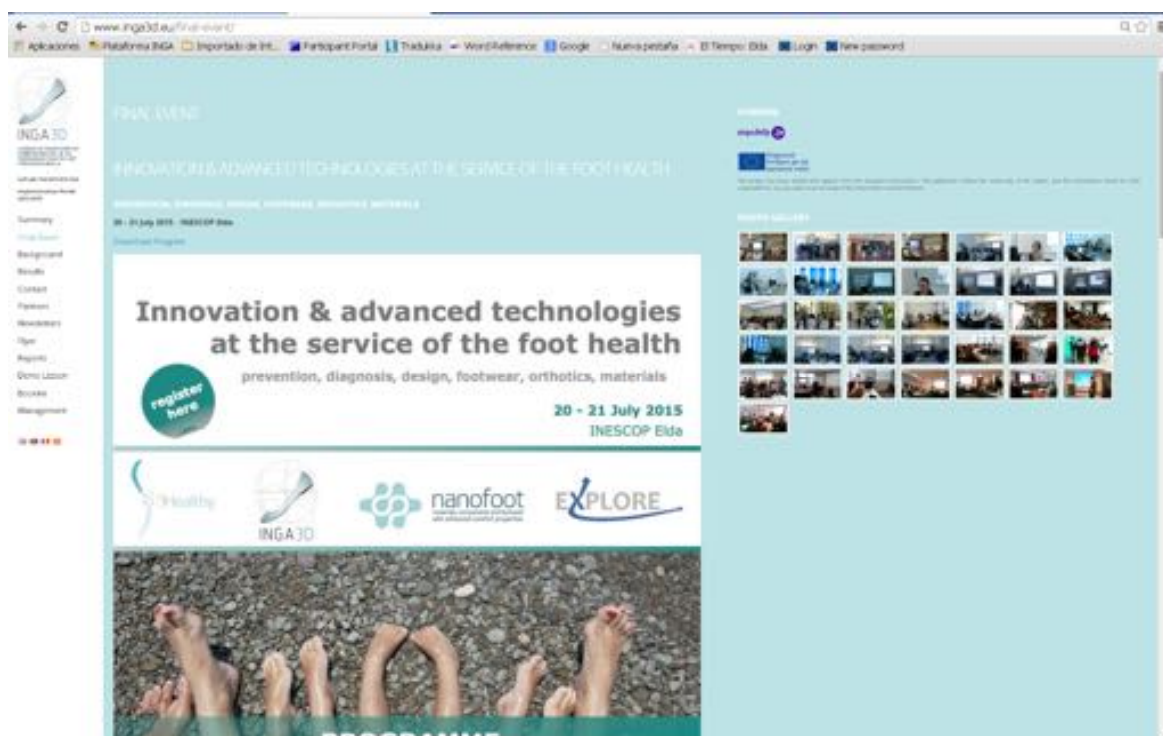
2. AGENDA

With the aim of summarising the essence of the conference in just one sentence, this two-day event was titled "*Innovation and advanced technologies at the service of the foot health: prevention, diagnosis, design, footwear, orthotics and materials*". As explained above, this event was jointly organised by INGA3D, SOHEALTHY, NANOFOOT and EXPLORE projects, four European projects of different nature (NANOFOOT and SOHEALTHY are research projects, INGA 3D is a Leonardo Da Vinci project and Explore is a project that tries to support the research results of other European projects) but with some topics in common. Next the role of each of these projects during the event is detailed.

The conference was divided into three blocks:

1. **Block 1: Key aspects of the advances in footcare technologies: prevention, diagnosis and materials**. This block consisted on a series of presentations related to the topics of the SOHEALTHY project, two presentations had to do with NANOFOOT and INGA 3D projects. At the end of the first day, the round table "*How to innovate more and better*" was also held within this block.
2. **Block 2: Practical workshops on the use of new technologies and innovative solutions in the footwear sector**. 6 workshops were held within this block, these were: 3D footwear design (given by RED21, S.L.), 3D sole design (INESCOP), orthopaedic footwear design (TPSP), measuring devices (TPSP), innovative training in footwear companies (POLICALZ), NANOFOOT: examples of nanotechnology applied to footwear. Some of these workshops focused on promoting the training innovations developed within the INGA3D project.
3. **Block 3: Brokerage event**. A brokerage event was organised jointly with EXPLORE project. The aim was to identify new project ideas, present them to the audience and seek new partners to develop these ideas and transform them into new project proposals.

The agenda and registration form was available in English and in Spanish from the INGA 3D and SOHEALTHY project websites, as well as other websites (see section 3: Dissemination actions):



Picture 1. Dissemination of the event at the INGA 3D project website



Picture 2. Registration form available in English and Spanish

Innovation & advanced technologies at the service of the foot health

prevention, diagnosis, design, footwear, orthotics, materials

20 - 21 July 2015
INESCOP Elda

[register here](#)








PROGRAMME

20 July

BLOCK I

Key aspects of the advances in footcare technologies: prevention, diagnosis, design, footwear orthotics and materials

- 13.45 Registration and welcome**
- 14.30 SoHealthy project overview**
Dr. Enrique Montiel, INESCOP, Spain
- 14.45 Digital Technologies for orthotic insole innovations**
Prof. Christopher Nester, University of Salford, UK
- 15.30 EU Health R&D priorities and funding opportunities for footcare**
Dr. Juan Riese, Health Institute Carlos III, Spain
- 16.00 Presentation of Certificate of Carbon Footprint of Product to División Anatómica, S.L. (DIAN)**
- 16.05 Coffee break**
- 16.30 Foot and gait biomechanics in footwear developments**
Dr. Carina Price, University of Salford, UK
- 17.00 Mobility: active and healthy ageing**
Prof. Vicente Gil, Hospital General Universitario de Elda, Spain
- 17.30 Round table: "How to innovate more and better"**
 - Amour Bozrouade, Centre National du Cuir et de la Chaussure, Tunisie
 - Hind Bendane, Scientific Moroccan Association of Podiatrists (AMSP), Morocco
 - Francisco J. Serrano, General Council of Podiatrists' Associations, Spain
 - Wladi Rigato, Calzolato Antonio Rigato and Politecnico Calzaturiero, Italy
- 18.30 End of day I**
- 19.30 Social dinner in Restaurant Quinta Lacy, Elda***

21 July	
09:00	Diabetes, obesity and foot health Dr Enrique Roche Collado, Miguel Hernandez University and CIBERON (CIBER/ONIB), Spain
10:30	Leonardo INGA 3D Project - Creative Transfer of Competence in 3D Footwear CAD Prof. Aure Mihai, Technical University Gheorghe Asachi, Iasi, Romania
10:00	Importance of foot skin and implications for medical and consumer foot care products Dr. Fanny Kacheni, University of Salford, UK
10:30	Nanofoot: Nanotechnology applied to foot-footwear Marta José Fátima, CTIC, Portugal
11:00	Coffee break
BLOCK II	
Practical workshops on the use of new technologies and innovative solutions in the footwear sector. They will be held in parallel and repeated every 30 min. Maximum 20 people per workshop. (in English only)	
11:30	Workshop 1. 3D Footwear design - Antonio Miralles, RCD 21, S.L., Spain Discover how to design on the digital tool and display final footwear products thanks to virtual 3D design Workshop 2. 3D sole design - Miguel Davila, INESCOP, Spain Get to know the different possibilities provided by this software for carrying out all tasks associated with the design of soles in 3D in a simple and intuitive fashion Workshop 3. 3D insole design - Aranza Requena, TPSP, S.L., Spain Experiment with the software for the design and milling of customised insoles based on the digital information of the user's foot Workshop 4. Measuring devices - Manuel Ruiz, TPSP, S.L., Spain Explore the advantages offered by the different measuring devices to obtain digital information to be fed into computer-aided design programmes Workshop 5. Innovative training in footwear companies - Chiara Pasquelli, Politecnico Calzaturieri, Italy New training methodology for enhancing workers' competences in different contexts. Practical examples will show how to formalise tacit knowledge and how to transfer competences in footwear companies Workshop 6. Nanofoot: Examples of nanotechnology applied to footwear - Francisco Arán, INESCOP, Spain Get to know and experiment with nanotechnology applications
14:30	Lunch
BLOCK III	
"Brokers' event": Capitalizing on innovation opportunities. (in English only)	
15:30	Exploitation of European projects' results on production technologies (EXPLORE project), TECNALIA, Spain New project ideas for H2020 calls, INESCOP, Spain Financial resources for innovation, BANCO SANTANDER, Spain Bilateral meetings between participants
17:30	End of the event
NOTES	
English-Spanish simultaneous interpreting will be available * Price: 30 Euro (including dinner and transportation)	
USEFUL INFORMATION	
Recommended hotel: AC Hotel Bida - Single room (80): 60 €/1 room & night - Double room (90): 66 €/2 room & night www.ac-hotels.com To book your room at this special rate, please contact the hotel by phone or email and indicate the reference "INESCOP". e-mail: book@ac-hotels.com Tel.: +34 90 498 12 21 Bus transfer service from/to the AC hotel to/from INESCOP will be provided.	
HOW TO REACH DESTINITY	
Polígono Industrial Gernika Alta - C/ Armador 101 - Bide - Aizarna - Txorierri (Gernika-Mendi) GPS coordinates: Longitude, Latitude -9.62864,38.46157	
Organized by  Funded by   Lifelong Learning Programme	

Picture 3. Agenda of the event, in English

2.1 Block 1: Key aspects of the advances in footcare technologies: prevention, diagnosis and materials

Within this block, up to 9 presentations were given by renowned speakers from the footcare, nutrition, health care, biomechanics, etc. sectors. These presentations were mainly related to diabetes, obesity and ageing, and their interaction with footwear development. Next a short summary of each of these presentations is provided:

SOHEALTHY project overview

Dr. Enrique Montiel - INESCOP

The first presentation was about the SOHEALTHY project. The project coordinator (PC), Dr. Enrique Montiel, presented the audience, the scope and framework of the project and its main results, highlighting the importance of focussing the efforts on the research priorities defined in the SRA for the next five years. The coordinator explained that "the real added value of this SRA is that more than 35 experts from different segments of the footcare sector and EU-Med countries have participated, offering their view and experience, and therefore obtaining a more real picture of the sector". Dr. Montiel also highlighted the relevance of the recommendations and needed initiatives arisen during the exchange visits carried out during the project and the importance of undertaking some urgent measures in each country. "To achieve a real impact" – explained- "it is important that *the message* reaches our respective governments and policy makers, this is the purpose of the section we have included in the SRA: recommendations and needed initiatives, because the development of the footcare industry is not possible if there is not a parallel improvement -and a higher development- in other areas and segments of the footcare sector".



Picture 4. Dr. Enrique Montiel



Picture 4. Some slides shown by Dr. Enrique Montiel

Digital Technologies for orthotic insole innovations

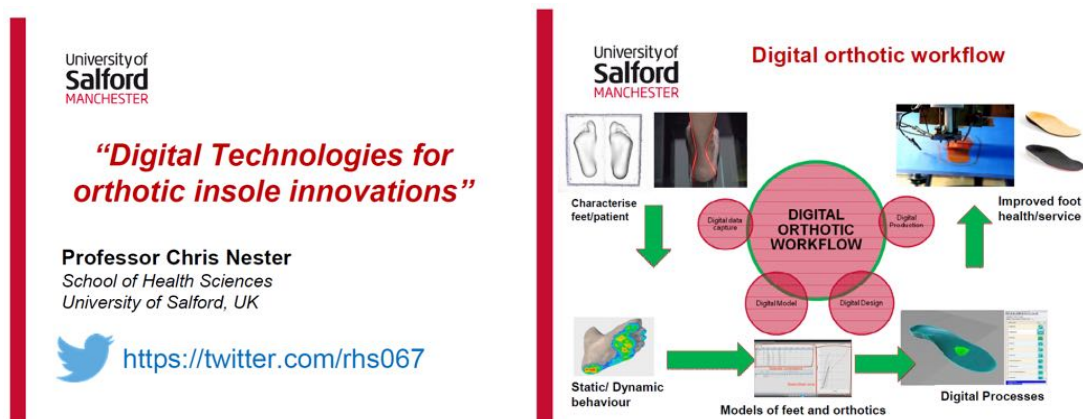
Prof. Christopher Nester, University of Salford, UK

The second presentation was given by Professor Christopher Nester, of the University of Salford, one of the SOHEALTHY and INGA 3D project partners and one of the world's most famous researcher in biomechanics. Prof. Nester presented the list of current –and most modern- digital technologies available nowadays that can be used in the digital orthotic workflow, explaining the

advantages, disadvantages and challenges of each one and in which area of the workflow these technologies impact on, and therefore differentiating between the industrial and clinical side. Professor Nester highlighted the importance of shifting a mindset towards a higher use of these technologies, stating that many of the reasons why clinicians and/or industrialists do not use them are based on wrong ideas (they are too expensive, too slow, no reliable, etc). Professor Nester also presented AMINO 3D and SMARTPIF project's results.



Picture 5. Professor Christopher Nester, during his presentation



Picture 6. Some slides displayed by Professor Christopher Nester

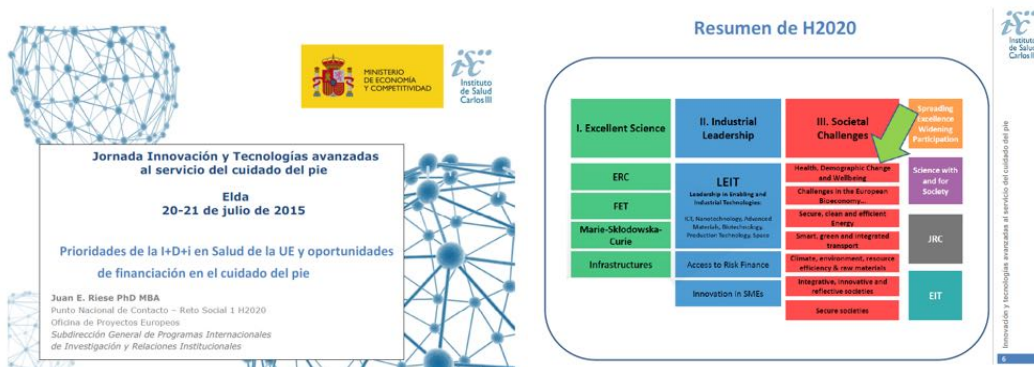
EU Health R&D priorities and funding opportunities for footcare

Dr. Juan Riese, Health Institute Carlos III, Spain

Dr. Juan Riese, National Contact Point for the Societal Challenge (SC) 1 in H2020, explained the audience the R&D priorities and funding opportunities for footcare, and specifically for the research priorities defined in the SRA of the SOHEALTHY project. Dr. Riese first explained the funding opportunities in Horizon 2020 related to the SC 1 "health, demographic change and wellbeing", mentioning the general characteristics of H2020, how it is structured in three pillars, the time period, budget, etc. Next, Dr. Riese mentioned other funding opportunities such as IMI2 (Innovative Medicines Initiatives) and AAL (Active Assisted Living). Finally, the speaker spoke about the European Commission perspective about health protection, explaining and identifying the current challenges, showing some figures related to diabetes and the situation in Europe as regards as some chronic diseases. The speaker also spoke about the initiative JA-CHRODIS, a European project finished in 2013, focused on chronic diseases and healthy ageing management.



Picture 7. Dr. Juan Riese during his presentation



Picture 7. Some slides shown by Dr. Riese

Foot and gait biomechanics in footwear developments

Dr. Carina Price, University of Salford, UK

Dr. Carina Price's presentation was about the application and introduction of foot biomechanics and gait analysis in the development, production and provision of orthopaedic footwear and footwear components. The speaker first mentioned the current state of the art, and the impact on the "patient journey", the general framework for the SOHEALTHY project's working groups. As a result of this analysis, the speaker stated that foot biomechanics should be integrated into the design process to design footwear addressed at obese people and patients with other pathologies such as patients with osteoarthritis, peripheral arterial disease, diabetic foot, etc. Dr. Price also highlighted the importance of introducing foot biomechanics not only in the design of footwear addressed at people with foot pathologies, but also addressed at consumers with no pathologies (to prevent those pathologies).



Picture 8. Dr. Carina Price during her presentation

University of
Salford
MANCHESTER

Integration of foot and gait biomechanics in footwear development

Dr Carina Price

Research Assistant
University of Salford, UK

Integration of foot biomechanics into design Obese Foot Morphology

- Problem:
 - Obesity is increasing in prevalence
 - 10-30% of adult population (World Health Organisation, 2014)
 - Obesity influences foot shape and size
 - Larger (Mickle et al., 2006; Park, 2012)
 - Flatter (Gilmour and Burns, 2001; Mickle et al., 2006; Park, 2012)
 - Obese adults needs are not currently met by retail footwear sector
 - Harder to find appropriate footwear (Jelinek and Fox, 2009)
 - Uncomfortable (Park, 2012)

Picture 9. Some slides shown by Dr. Price

Mobility: active and healthy ageing

Prof. Vicente Gil, Hospital General Universitario de Elda, Spain

Prof. Vicente Gil spoke about some key aspects for getting a healthy ageing and the characteristics of the elderly that can have an impact on footwear design. The speaker highlighted that "being old is not a disease, the elderly are normal persons, with some particularities, and they are not as children". It is very important that the elderly be active and follow a healthy lifestyle throughout the whole life period because people that maintain active during their youth, will have a better quality of life during the old age. Prof. Gil stated that there is still a lot to do in the field of footwear addressed at the elderly, and therefore there is a wide range of research and collaboration opportunities.



Picture 10. Dr. Gil during his presentation, on the first day of the event

PAPEL DEL CALZADO EN EL ENVEJECIMIENTO ACTIVO



Si la actividad preventiva
no se hace bien: caídas



Acortamiento del miembro. Abducción y rotación externa.

Picture 11. Some slides shown by Dr. Gil

Round table: “How to innovate more and better”

Participants:

- Enrique Montiel, INESCOP, Spain (Moderator)
- Hind Benziane, Scientific Moroccan Association of Podiatrists (AMSP), Morocco
- Francisco Javier Serrano, General Council of Podiatrists' Associations, Spain
- Wladi Rigato, Calzolaio Antonio Rigato and Politecnico Calzaturiero, Italy

At the end of the first day, a round table was also held with the aim of presenting some of the research priorities defined, as well as discussing about some of the recommendations identified. Dr. Montiel was the moderator, he started the round table by showing some impressive figures about diabetes, obesity and ageing in Europe and the North African area, taken from the SOHEALTHY SRA. Next, the moderator presented the participants of the round table and asked them a series of questions for discussion.



MESA REDONDA

Moderador: Dr. Enrique Montiel – Inescop
Elda, 20th July 2015



SÍNDROME DE PIE DIABÉTICO: para tomárselo muy en serio.....

- Un 15% de los diabéticos desarrollan úlceras en los pies
- Estas úlceras son responsables del 84% de las amputaciones de las extremidades inferiores en pacientes con diabetes
- Las tasas de recurrencia de las úlceras en los pies es mayor del 50% dentro de los primeros 3 años
- Las complicaciones relacionadas con este síndrome producen el mayor número de hospitalizaciones relacionadas con la diabetes
- Se estima que entre el 45%-85% de las amputaciones se pueden evitar adoptando un enfoque multidisciplinar.

Picture 12. Some slides shown during the round table

As mentioned above, the moderator introduced each participant of the round table to the audience and asked several questions that can be seen next:

Wladi Rigato:

Mr. Wladi Rigato was Graduated in Mechanical Engineering at the University of Padova (Italy) in space robotics. He has worked for Saipem S.p.A and Consorzio RFX, in PADOVA, where he was involved in the design and R&D activities. After that he started working in the family business, an orthopaedic shoe factory located in Padova, with the goal of transforming the challenges of the orthopaedic shoes market in business opportunities. Wladi has been an active member of the SOHEALTHY project, being part of the first working group called "Towards more efficient provision".

1. *Mr. Rigato, you have participated in the first working group of the SOHEALTHY Project, called "Towards more efficient provision", Could you briefly explain to us why this working group was created around this challenge/ area? (in other words, why is so important the provision of orthopaedic footwear?)*

2. *Among the research priorities identified in this working group, there are many related to CAD/CAM area, according to your opinion, and as industrialist, how these priorities can improve the provision of the orthopaedic footwear/insoles?*
3. *In your opinion, what are the main barriers for their implementation?*
4. *Do you think that international cooperation is important for this implementation? How this cooperation can be improved?*
5. *In your view, what supporting measures would the industry need from the government for an effective implementation of these research priorities?*
6. *The SoHealthy project's strategic research agenda states that nowadays the manufacturing process is hardly automated, with a strong handmade component. According to your opinion, why do you think that the introduction of these new technologies is so slow in the footcare sector? How the industry can accelerate the introduction of these technologies?*

Hind Benziane:

Ms. Hind Benzaniane. President of the Moroccan National Association of Podiatrists. She obtained a European pedicure podiatry diploma from Brussels in 2002. She has twelve years' experience as podiatrist. She is President of the Moroccan National Association of Podiatrists, a Member of Moroccan Federation of Diabetes and has been a temporary podiatrist at Mohamed 6 Football Academy since 2009.

Ms. Benziane, it seems that Morocco lives a very special situation as regards the footcare sector, as there are more than 2 million of diabetics in Morocco and more than 10 million of people with obesity and overweight that have a high risk of having diabetes. Despite this situation, there are only around 20 podiatrists.

1. *According to these figures, what are in your opinion the most urgent measures to adopt to boost the footcare sector in Morocco?*
2. *You have participated in the second working group of the Sohealthy project, called "towards reduced foot infection", some of the research priorities identified by this group have to do with new materials. As podiatrist, what new functionalities would be desirable in these new materials to reduce the risk of foot infections?*
3. *With the aim of successfully introducing these new materials, and in general other new technologies, in your country, What aspects of the Moroccan footcare sector would be needed to improve?*
4. *Do you think that international cooperation is important for this implementation? In your opinion, how this cooperation can be improved?*

5. *The Strategic Research Agenda of the SoHealthy project, in its section about "recommendations and needed initiatives", states that it is highly important for the prevention of the diabetic foot consequences, that the Moroccan Healthy System covers the cost of orthopaedic footwear and insoles. Thus, the economic support from your government seems to be crucial. In your opinion, as podiatrist and President of the Scientific Moroccan Association of Podiatrists, and therefore great connoisseur of the situation, what other measures do you think are important to start within the Moroccan footcare sector in the short time? (in other words, what would you ask to your government?)*

Francisco Javier Serrano:

Vice-president of the General Council of Podiatrists' associations and president of the official school of podiatrists of Murcia. He has worked as a podiatrist for many years with a wide experience in the foot health sector. Mr. Serrano is also nurse and has a private podiatry clinic in Murcia.

1. *Mr. Serrano, the SRA of the SOHEALTHY Project, the section about recommendations and needed initiatives in Spain says that it would be desirable to include multidisciplinary teams in the different diabetes plans (of each community autonomous) in order to manage the complications related to the diabetic foot syndrome, do you agree with this recommendation? Do you think that the diabetic foot units should be leaded by podiatrists? Are there differences between communities in the management of the diabetes?*

2.. *Another recommendation has to do with the importance of designing and manufacturing more stylish footwear, more modern, with a wider range of colours, designs, materials...etc. Do you think that this would help to improve the patient's adherence to the treatment? Do you think this is a priority?*

3. *It seems that in Spain, each autonomous community covers a different percentage of the total cost of orthopaedic footwear, what do you think about this situation? Do you think that a higher financing would improve the prevention of foot pathologies and the patients' adherence to diabetes treatment? In other words, do you think that the high cost of the treatment has a negative impact on the purchase intention even if orthopaedic footwear/insoles are very important for the prevention of future foot pathologies?*

4. *What other supporting measures would represent a great advance?*

5. *The SRA has involved healthcare professionals, industrialists and researchers. However there is a gap between them, according to your opinion, how we could improve the communication flow? What would you ask to the footcare industry? Do*

you think that it would be interesting to include subjects about orthopaedic footwear design and manufacturing in podiatry degrees?



Picture 13. The moderator, and PC, introducing the participants of the round table to the audience

Diabetes, obesity and foot health

Dr. Enrique Roche Collado, Miguel Hernandez University and CIBEROBN (CB12/03/30038), Spain

Dr. Roche spoke about the importance of following a healthy diet and lifestyle, explaining the concept of obesity, "body mass index (BMI)", the food pyramid, metabolic syndrome and the relationship between obesity or BMI higher than 30kg/m², and most specially android obesity (vs. gynoid), with diabetes and other pathologies such as some cardiovascular diseases. Dr. Roche explained that obesity can be only faced from a multidisciplinary view, as the diet per se is not enough, it is also important to do exercise regularly and shift a mindset towards healthy nutritional and lifestyle models. The speaker warned about the *paleo diet*, explaining the reasons why that kind of diet is not healthy. Finally, Dr. Roche spoke about the relationship between diabetes, obesity and foot health. Related to this, patients with diabetes can obtain great advantages if they increase their activity by doing more aerobic exercise as it has been

demonstrated that during the exercise the muscle consumes glucose without the intervention of insulin and therefore sportsmen and sportswomen who have diabetes require a lower insulin dose.



Picture 14. Dr. Enrique Roche giving his presentation the second day of the conference

DIABETES, OBESIDAD Y SALUD DEL PIE

Enrique Roche
Catedrático de Nutrición



SND

SERVICIO DE NUTRICIÓN Y DIETÉTICA PARA LA ACTIVIDAD FÍSICA Y EL DEPORTE



Afecta a la persona en su totalidad física, psíquica, social y laboral

Síndrome metabólico

- Problemas cardiovasculares
- Hipertensión
- Aumento de colesterol
- Aumento lípidos
- Hígado graso
- Cálculos biliares
- Cáncer de colon
- próstata y útero
- Infertilidad
- Varices
- Úlceras

Problemas psicológicos

- Infarto cerebral
- Apnea del sueño
- Hernia de hiato
- Cálculos e insuficiencia renal
- Diabetes tipo 2
- Cáncer de páncreas
- Artrosis
- Gota

Picture 15. Some slides shown by Dr. Roche

Leonardo INGA 3D Project - Creative Transfer of Competence in 3D Footwear CAD

Prof. Aura Mihai, Technical University Gheorghe Asachi, Iasi, Romania

Prof. Mihai presented the INGA 3D project's results. INGA 3D is a European project aimed at developing skills based curriculum, training content and e-learning tools. Prof. Mihai explained how this project was conceived (the background), due to the gap between the level of technical knowledge and professional skills that learners acquire and the required competences expected by the employers in the footwear sector. This fact was also seen in trainers from VET institutions that trained on footwear Computer Aided Design (CAD). Therefore the INGA 3D project aims to transfer and extend innovative software solutions and 3D technologies for computer-aided footwear design. Prof. Mihai finally concluded presenting the results obtained in the project, such as: INGA 3D training program, the report "Peer Learning Scenarios in Footwear Computer Aided Design", a *Multimedia supportive guide* for VET teachers, etc.



Picture 16. Dr. Mihai, during her presentation



Picture 17. Some slides shown by Dr. Mihai

Importance of foot skin and implications for medical and consumer foot care products

Dr. Farina Hashmi, University of Salford, UK

Dr. Hashmi spoke about the importance of foot skin in the management of the diabetic foot syndrome and the implications for clinical and consumer foot care products. The speaker started her presentation speaking about the foot skin characteristics, structure and role, how the epidermis is structured and the type of cells that form the epidermis and their role. The speaker continued speaking about some of the pathologies that may affect the foot skin, such as xerosis and fissures, corns and callus, skin moisture and blisters, infections, etc and their current and future solutions. The speaker finally spoke about the different parts of the footwear and the desirable features these parts should have (design, materials, properties, etc) to prevent some of these pathologies.



Picture 18. Dr. Hashmi, presenting the audience some pictures

University of Salford
MANCHESTER

The importance of foot skin and implications for clinical and consumer foot care products

SoHealthy Final Conference
21st July 2015

Dr Farina Hashmi PhD, FCPodMed, FFPM
RCPS(Glasg)

E-mail: F.Hashmi@salford.ac.uk

Protection

Temperature regulation

Sensation



Movement

Excretion of waste products

Immunity

Picture 19. Some slides shown by Dr. Hashmi

Nanofoot: Nanotechnology applied to feet-footwear

María José Ferreira, CTCP, Portugal

The speaker presented the NANOFOOT project, a European project aimed at finding solutions for some of the problems related to footwear with the use of nanotechnology. Some of these problems are for example, high temperatures inside the shoe, high concentration of CO₂, moisture concentration, electrostatic charges accumulation, generation of bad smell and foot skin problems and

bacterial and fungal growth. With that aim – explained the speaker- this project will develop new products, such us EVA nanocomposites for insoles and soles, microfibers for footwear upper parts and insocks, new coating and finishing formulations, etc. The speaker finally presented the advance made in each of these products/processes and their lifecycle.



Picture 20. Ms. María José Ferreira



centro tecnológico
do calçado de portugal



centro tecnológico
do calçado de portugal

NANOFOOT
NANOTECHNOLOGY APPLIED TO FEET - FOOTWEAR

Maria José Ferreira, mjose.ferreira@ctcp.pt
CTCP, Portuguese Footwear Research Centre




Innovation & advanced technologies at the service of
the foot health – INESCOP, Elda, Spain, July 21st, 2015



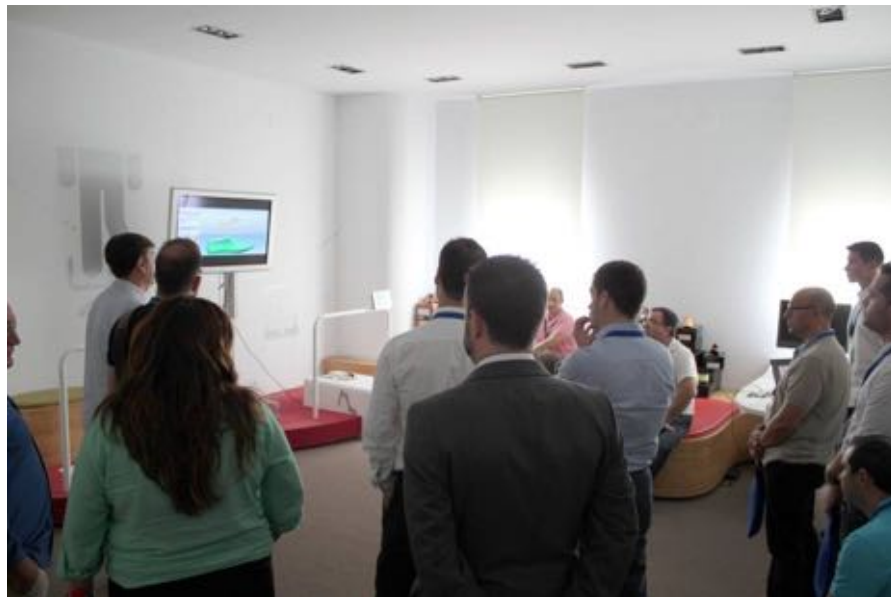
Picture 21. Some slides shown by Ms. Ferreira

2.2 Block 2: Practical workshops on the use of new technologies and innovative solutions in the footwear sector

After the presentations, 6 workshops were held on the second day of the event. These practical workshops –of 30 minutes each- were held in parallel during 3 hours, repeating them 6 times in total to allow all the participants to attend all workshops. To this end, 6 groups of 20 participants each approx. were created and managed by one person each one who lead the group to the different rooms and workshops, synchronised with the other groups' leaders.

These workshops were:

- **3D footwear design:** this workshop was given by RED21, S.L (P5), a company specialising in the development of new software solutions within the footwear sector. The company explained how the design of footwear can be easily made by using specific programmes on the market.



Picture 22. One of the groups during the workshop
"3D footwear design"

- **3D sole design:** this workshop –given by INESCOP (P1)- was focused on showing a 3D Sole design software. The speaker spoke about the different possibilities that the design software offers for carrying out all tasks associated with the design of soles in 3D in a simple and intuitive fashion.



Picture 23. One of the groups during the workshop "3D sole design"

- **Orthopaedic footwear design:** this practical workshop was given by INESCOP (P1) and the company TPSP, an orthopaedic footwear manufacturer, who explained the process of designing orthopaedic footwear by using several IT tools.



Picture 24. One of the groups during the workshop "Orthopaedic footwear design"

- **Measuring devices:** TPSP and INESCOP (P1) showed the participants the latest measuring devices developed and used in some European projects related to biomechanics, gait analysis, etc. to obtain digital information to be fed into computer aided design programmes.



Picture 25. One of the groups during the workshop "measuring devices"

- **Innovative training in footwear companies:** within this workshop a new training methodology for enhancing workers competences in different contexts was explained. The speaker showed practical examples about how to formalize tacit knowledge and how to transfer competences in footwear companies.



Picture 26. One of the groups during the workshop "Innovative training in footwear companies"

- **NANOFOOT: examples of nanotechnology applied to footwear:** this workshop was about showing some nanotechnology applications and products, almost all of them related to NANOFOOT project.



Picture 27. One of the groups during the workshop "NANOFOOT"

2.3 Block 3. Brokerage event: Capitalising on innovation opportunities

The third block consisted of a brokerage event with the aim of identifying new project ideas. This event was organized together with the EXPLORE project, a European project aiming to foster European competitiveness by research and development results exploitation.

The agenda of this event can be seen next:




**Innovation & advanced technologies
at the service of the foot health**
prevention, diagnosis, design, footwear, orthotics, materials

Brokerage Event

21st July 2015

15.30 – 15.35	Welcome & Introduction Enrique Montiel, INESCOP
15.35 – 16.10	Financial resources for innovation Antonio Ojeda, Banco Santander
16.10 – 16.30	Exploitation of European projects' results on production technologies (EXPLORE project) Vasco Figueiredo, Portugal
16.30 – 16.50	New project ideas for H2020 calls Presentations of new project ideas (max. 3 minutes & 2 slides/presentation)
16.50 – 17.30	Expression of interests, definition of potential consortiums, discussion, Questions & Answers Enrique Montiel, INESCOP

Picture 28. Agenda of the Brokerage Event

Financial resources for innovation

Antonio Ojeda, BANCO SANTANDER, Spain

Mr. Ojeda presented the audience the different financing options that the companies have to commercialize their products after the end of an EU research project, to set a new company (start up) as a result of a new project result or to commercialise their products abroad (internationalisation).



Picture 29. Mr. Ojeda, during his presentation



Picture 30. Some slides shown by Mr. Ojeda

Exploitation of European projects' results on production technologies (EXPLORE project)

Mr. Vasco Figueiredo, INESC TEC, Portugal

The speaker presented the EXPLORE Project, explaining the scope and main goals of the project. Mr. Figueiredo also showed *the Innovation and Exploitation Platform*, a platform where users can consult a list of R&D results and can express their interest for a certain result (exploitation, commercialization, collaboration, etc.). The speaker concluded his presentation remembering the audience that there are significant opportunities for cross fertilisation of technologies between industrial sectors and for the development of demonstrators, pilot lines and commercial exploitation at National/Regional level and highlighted that technology transfer is difficult but it is worth as the potential impact is very high.



Fostering European Competitiveness
by R&D Results Exploitation
EXPLORE Matchmaking event

Elda, July 21, 2015

Vasco Figueiredo Teles – EXPLORE Coordination team

The goal of EXPLORE

EXPLORE

To unleash the potential of the accumulated knowledge
coming from EU funded RTD projects
in the area of Production Technologies

Through:

- The promotion of cross fertilisation with other sectors (transfer a result to a new sector or application domain)
- The use of national and regional funding to help cross the Valley of Death. Bring those results to the market by developing and launching products, implement demonstrators or further research to address specific requirements of the region.

Extended Exploitation of European Research Projects' Knowledge and Results

2

Picture 31. Some slides shown by Mr. Figueiredo



Picture 32. The speaker, Mr. Vasco Figueiredo, during his presentation

New project ideas for H2020 calls

Presentation of 9 project ideas and results with the aim of finding new partners and collaboration opportunities.



Picture 33. Ms. Victoria Barrantes, SOHEALTHY project technical coordinator (TC)

These project ideas and results were:

- Business Intelligence & Analytics for Manufacturing and Retail
- Performance Measurement Toolkit
- Multipurpose machine for laser cutting, marking and engraving of leather products
- Collaboration infrastructure for managing business networks
- KNOWFOOT: Territory specific foot health knowledge and education solutions to meet the needs of changing populations
- 4-D-FUTURE: The clinic of the future

- TOOL-e: New generation of ICT tools for a faster and more accurate prescription of orthopaedic footwear & components based on biomechanical data and material essay data
- Robotics based automation in intensive labour consumer goods manufacturing industries
- SMART training environments for othopaedic FOOTwear based on advanced ICT



Picture 34. Some speakers presenting their project ideas

At the end of this section all participants were asked to fill in an expression of interest form (EoI) about the project ideas presented in order to know their interest in participating/collaborating and why.


EXPLORE **BROKERAGE Event**
Elda, 21st of July 2015

Please return this part at the end of the event. Thank you.

Name: _____ Phone number: _____ Email address: _____

Project Idea	Organization	Interested?	Please explain why (Type of exploitation, industrial sector or application, ...)
Business Intelligence & Analytics for Manufacturing and Retail	INESC TEC	<input type="checkbox"/> yes <input type="checkbox"/> no	
Performance Measurement Toolkit	INESC TEC	<input type="checkbox"/> yes <input type="checkbox"/> no	
Multipurpose machine for laser cutting, marking and engraving of leather products	INESC TEC	<input type="checkbox"/> yes <input type="checkbox"/> no	
Collaboration infrastructure for managing business networks	INESC TEC	<input type="checkbox"/> yes <input type="checkbox"/> no	
KNOWFOOT: Territory specific foot health knowledge and education solutions to meet the needs of changing populations	University of Salford	<input type="checkbox"/> yes <input type="checkbox"/> no	
4-D-FUTURE: The clinic of the future	University of Salford	<input type="checkbox"/> yes <input type="checkbox"/> no	
TOOL-4: New generation of ICT tools for a faster and more accurate prescription of orthopaedic footwear & components based on biomechanical data and material essay data	INESCOP	<input type="checkbox"/> yes <input type="checkbox"/> no	
Robotics based automation in intensive labour consumer goods manufacturing industries	AJUU	<input type="checkbox"/> yes <input type="checkbox"/> no	
SMART training environments for orthopaedic FOOTwear based on advanced ICT	ITIA - CRN	<input type="checkbox"/> yes <input type="checkbox"/> no	

These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No. 800173 and No. 800128

SUPPORTED BY 

EXPLORE **BROKERAGE Event**
Elda, 21st of July 2015

Project Idea	Organization	Presenter	Presenter email	Comments
Business Intelligence & Analytics for Manufacturing and Retail	INESC TEC	Vasco <u>Figueiredo</u>	vbteles@inesctec.pt	
Performance Measurement Toolkit	INESC TEC	Vasco <u>Figueiredo</u>	vbteles@inesctec.pt	
Multipurpose machine for laser cutting, marking and engraving of leather products	INESC TEC	Vasco <u>Figueiredo</u>	vbteles@inesctec.pt	
Collaboration infrastructure for managing business networks	INESC TEC	Vasco <u>Figueiredo</u>	vbteles@inesctec.pt	
KNOWFOOT: Territory specific foot health knowledge and education solutions to meet the needs of changing populations	University of Salford	Chris Nester	C.J.Nester@salford.ac.uk	
4-D-FUTURE: The clinic of the future	University of Salford	Carina Price	C.L.Price@salford.ac.uk	
TOOL-4: New generation of ICT tools for a faster and more accurate prescription of orthopaedic footwear & components based on biomechanical data and material essay data	INESCOP	Victoria <u>Barrantes</u>	Victoria@inescop.es	
Robotics based automation in intensive labour consumer goods manufacturing industries	AJUU	Joaquin <u>Vilaplana</u>	joaquinvilaplana@ajuu.info	
SMART training environments for orthopaedic FOOTwear based on advanced ICT	ITIA - CRN	Rosana <u>Fornari</u>	rosanna.fornari@itia.cnr.it	

These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No. 800173 and No. 800128

SUPPORTED BY 

Picture 35. Eols form

As a result, 17 Eol forms were collected in total and 29 participants attended the brokerage event.

All participants received a certification of attendance signed by the director of INESCOP:



Picture 36. Certificate of attendance

3. LOGISTICS

The conferences and the brokerage event were held at INESCOP's facilities, in its conference room. The different workshops were held in different areas and rooms of INESCOP. There was simultaneous interpreting into English-Spanish, French-Spanish during the presentations. The brokerage event was held in English and one of the 6 groups created for the workshops was comprised of foreign participants so that the training could be delivered in English (1 in English and 5 in Spanish).

Each participant received a tablet sleeve containing an USB pen drive (that contained all the presentations as well as information about the organising projects), a pen and a notebook. The participants also received a badge with the conference programme and the participant's name.

The following picture shows the conference material provided to the participants:



Picture 37. Participant's kit

Once the participants registered via online, they received an email with useful information for their stay:

INNOVATION & ADVANCED TECHNOLOGIES AT THE SERVICE OF THE FOOT HEALTH

prevention, design, diagnosis, footwear, orthotics and materials

20-21 July 2015
INESCOP Elda



Thanks for registering to participate in this event! You will find below some useful information to plan your stay.

Useful information:

- For those staying in **hotel AC Elda** there will be a **free bus shuttle service** with the following timetable:

20 JULY:

- Departure from hotel AC at 13:30h to INESCOP
- Return to hotel AC at 18:30h
- Departure from hotel AC at 20:00h to Restaurant Quinta Lacy
- Return to hotel AC at 23:30h

21 JULY:

- Departure from hotel AC at 08:30h to INESCOP
- Return to hotel AC at 17:30h

INESCOP's staff members will be at the hotel reception to coordinate group shuttle.

Please let us know by 16th July at esperanza@inescop.es if you would like to use the free bus shuttle service.

banner

- **Simultaneous interpreting:** Simultaneous interpreting into English, French and Spanish will be provided. Proof of identity (original ID card, passport, etc.) is required to collect a receiver.

Please note that the workshops will be held in Spanish and in English (if a minimum audience is gathered). The Brokerage Event will only be held in English. No simultaneous interpreting will be provided in this case.

- **Social dinner:** The price of the social dinner is 30€ to be **paid in cash** upon your arrival at the event venue. You will get a ticket to be handed in upon your arrival at the Restaurant.

The dinner will be served on the Restaurant's outdoor terrace, should the weather permit.

- **Lunch on 21 July:** An informal lunch will be offered on the second day to all participants.

For organisation purposes, please let us by 16th July at esperanza@inescop.es if you would like to participate in the lunch.

- **Dress code:** Business casual
- **Useful phone numbers:**
 INESCOP: (+34) 96 539 52 13
 Hotel AC Elda: (+34) 96 698 12 21
 Taxi Elda: (+34) 96 538 10 30
- The **weather forecast** in Elda for 20-21 July can be checked here:
<http://www.el tiempo.es/elda.html>

organiza

INESCOP
INSTITUTO TECNOLÓGICO DEL CALZADO Y COMERCIO

financian


 Programa de Aprendizaje Permanente

Picture 38. Useful information newsletter

4. DISSEMINATION ACTIONS

Information about the final conference was disseminated through different channels. These were as follows:

- **Press releases:** some press releases about the event were published, mainly at INFORMACIÓN newsletter, a newspaper of regional scope.

A newsletter with the completed list of press releases, electronic publications and dissemination details can be seen in annex IV.





- Phone calls to potential participants (podiatrists, podiatry schools, universities, INESCOP's associated companies, etc)
- More than 800 emails sent to the following mailing lists: INGA 3D stakeholders, SOHEALTHY network, podiatrists, podiatry schools, universities, INESCOP's member companies.

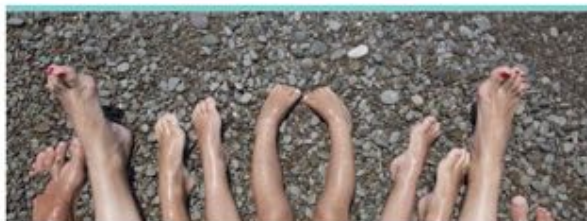
Victoria Barrantes

De: Victoria Barrantes
Enviado el: jueves, 02 de julio de 2015 10:32
Para: registration@sohealthyproject.eu
Asunto: Conferencias sobre salud del pie y tecnologías avanzadas 20-21 julio

Innovación y tecnologías avanzadas al servicio del cuidado del pie

prevención, diagnóstico, diseño, calzado, plantillas, materiales

20 y 21 de julio de 2015
INESCOP Eida



Organizado por INESCOP, y en el marco de los proyectos europeos SOHEALTHY, INGA 3D, NANOFoot y EXPLORE, este evento gratuito de día y medio de duración te ofrece la oportunidad de conocer los últimos avances en investigación e innovación en calzado en dos ámbitos específicos como son las aplicaciones para la salud del pie y la creación de un material formativo innovador para el diseño de calzado asistido por ordenador y herramientas relacionadas, impartidos por expertos de la industria.

¿Por qué no te lo puedes perder?

- Obtendrás información sobre lo último en calzado y salud del pie. El programa es excelente, puedes acceder a él con un click desde [aquí](#).

- Tendrás información de primera mano sobre las posibilidades de la formación online en diseño de calzado asistido por ordenador.
- Asistirás a talleres gratuitos de diseño de calzado asistido por ordenador y herramientas relacionadas, impartidos por expertos de la industria.
- Recibirás un certificado de participación.

¿Dónde se celebra?

En la sede central de INESCOPE:

Polígono Ind. Campo Alto, C/. Alemania, 102
03600 Elda (Alicante) España

Puedes inscribirte ya con un click desde [aquí](#). **Reserva tu plaza.**

Si tienes alguna duda ponte en contacto con nosotros en info@inescop.es

organiza



financian



• Seimed bulletin:

asp?eventid=949

Participant Portal Tradukka Word Reference Google Nueva pestaña El Tiempo: Elda Login New password

Seleccione idioma Mapa del sitio Contacto Texto a buscar

SEIMED .EU

**INTERNACIONALIZACIÓN
TECNOLOGÍA
SOCIOS EUROPEOS**

INICIO SEIMED SERVICIOS NOTICIAS AGENDA ENLACES MI PERFIL

Inicio Agenda

Agenda de eventos

Agenda de eventos

Cómo registrarse
Elena Cortes elena.cortes@redit.es

Conferencia Final SOHEALTHY: "Innovación y tecnologías avanzadas al servicio del cuidado del pie"

20 July 2015 - 21 July 2015

Conferencia

External Link
<http://www.sohealthyproject.eu/>

Download(s)
[Programa_SOHEALTHY_SP.pdf](#)

Con el título "Innovación y tecnologías avanzadas al servicio del cuidado del pie: prevención, diagnóstico, diseño y materiales" se presenta la conferencia final del proyecto SOHEALTHY que tendrá lugar los días 20 y 21 de julio en Elda.

Durante el evento se presentarán los resultados finales del proyecto SOHEALTHY y especialmente su Agenda Estratégica de Investigación. Es éste el principal resultado del proyecto y contiene las principales prioridades para la industria del cuidado del pie en los próximos años, centrándose en las necesidades de la población con diabetes, obesidad y edad avanzada.

Este evento está organizado conjuntamente por los proyectos INGA 3D y EXPLORE. INGA 3D se centra en las soluciones tecnológicas innovadoras de 3D relacionadas con el diseño de calzado por CAD. EXPLORE pretende la promoción y el uso del conocimiento en el desarrollo de los productos y servicios avanzados para satisfacer los retos y necesidades de las industrias manufactureras.

Ponentes internacionales destacados en el mundo de la biomecánica y la salud del pie participarán presentando los últimos avances en numerosas áreas de investigación.

TODOS LOS DETALLES EN EL PROGRAMA ADJUNTO.

Más información

JORNADA 2017 FONDO JESSICA FIDAE: FINANCIA TU PROYECTO DE AHORRO ENERGÉTICO Y/O DE ENERGÍAS RENOVABLES

La Cámara de Comercio de Alicante te invita al taller formativo sobre para proyectos de energías renovables y ahorro energético de la mano de IDAE, Instituto para la Diversificación y Ahorro de la Energía, en el cual se informará sobre las posibilidades existentes de financiación para poder llevar a cabo tus proyectos.

<http://www.camaralicante.com/puntoeuropa/index.php?as=NHhZ0J1T3R2MwV25V1R2B4g0V0R0uHFB0XpydEJ4cg==&as=TXN0c0N2pnNhhZ0J1T3R2TXN0c0N2pn>

Más información

Digitalización anatómica para evaluar la radiodermatitis

El Instituto Tecnológico de Óptica, Color e Imagen (AIDO) participa en el proyecto MINESKIN-e, en el cual se desarrollará una nueva metodología de inspección anatómica mediante técnicas ópticas que ayudarán a un diagnóstico temprano del daño producido en la piel irradiada en pacientes de cáncer de mama.

Con los datos obtenidos de la digitalización se podrá prescribir un tratamiento adaptado a cada paciente para disminuir la toxicidad cutánea producida por la radioterapia.

Más información

Curso de verano "Vigilancia Tecnológica: estrategias y herramientas para innovar",

Desde el Observatorio Virtual de Transferencia de Tecnología (OVT) de la Universidad de Alicante se lanza el Curso de verano "Vigilancia Tecnológica: estrategias y herramientas para innovar", que se desarrollará del 7 al 10 de julio en el marco de los Cursos de verano "Rafael Alkamira" 2015 de la Universidad de Alicante. Su periodo de matrícula está abierto desde el 18 de mayo hasta completar sus plazas limitadas.

Más información



24 Eventos

09/07/2015

JORNADA "Financiación para la cooperación tecnológica internacional"
Cámara Valencia Poeta Querol 15

14/07/2015

INFODAY Programa LIFE 2015
Salón de Actos de la Escuela de Negocios Lluís Vives C/Benjamin Franklin, 8 Parque Tecnológico de Paterna, Valencia

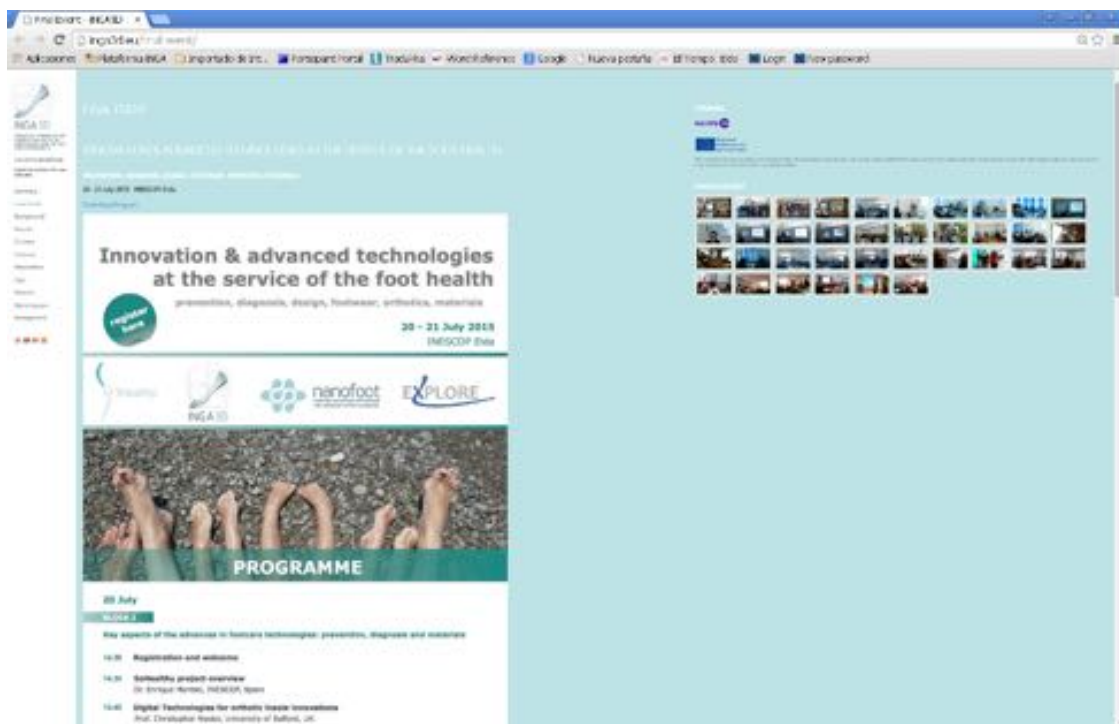
20/07/2015

Conferencia Final SOHEALTHY: "Innovación y tecnologías avanzadas al servicio del cuidado del pie"
INESCOP (Ema)

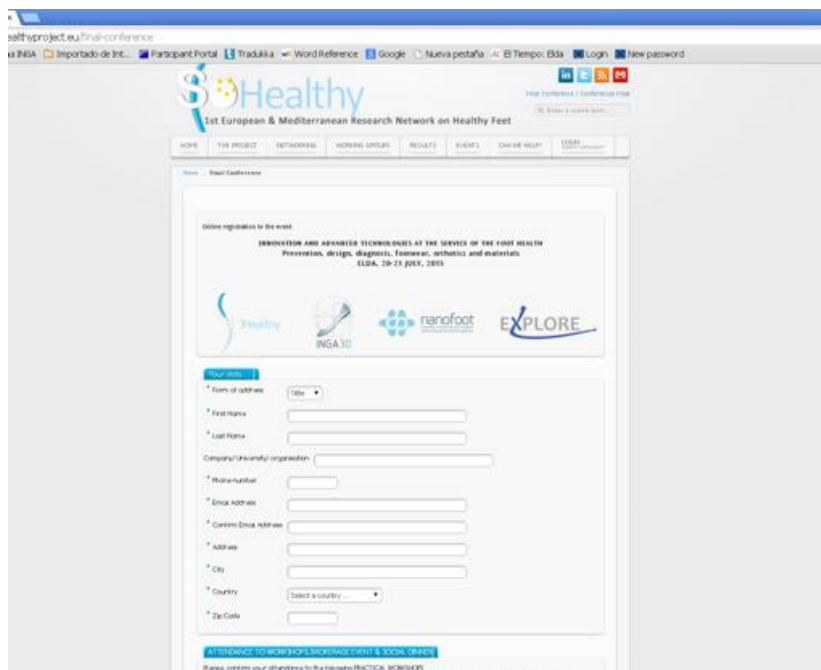
17/09/2015

3rd Cluster-to-Cluster CONFERENCE and MATCHMAKING Event: "Innovation by Combination"

• INGA3D Website:



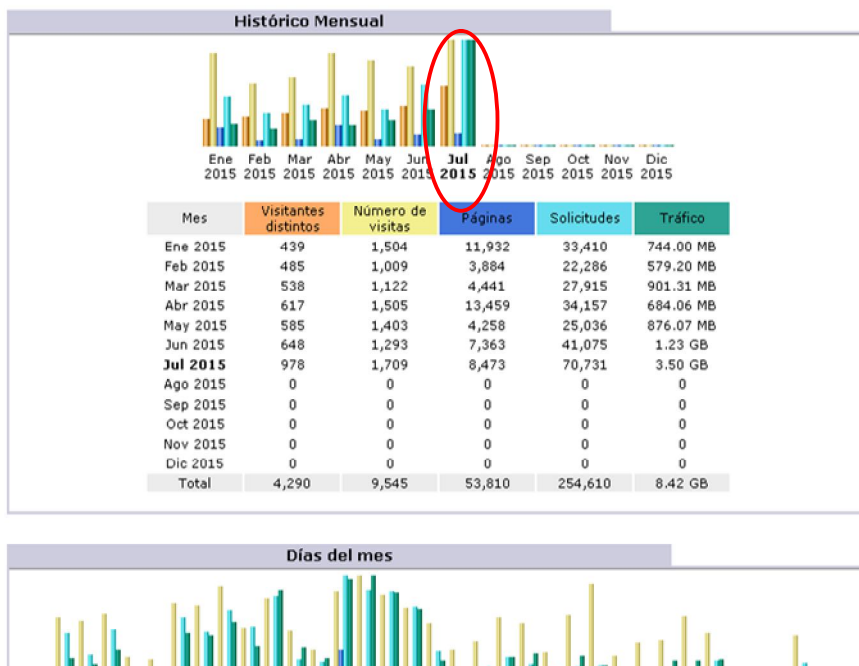
- Sohealthy project website:



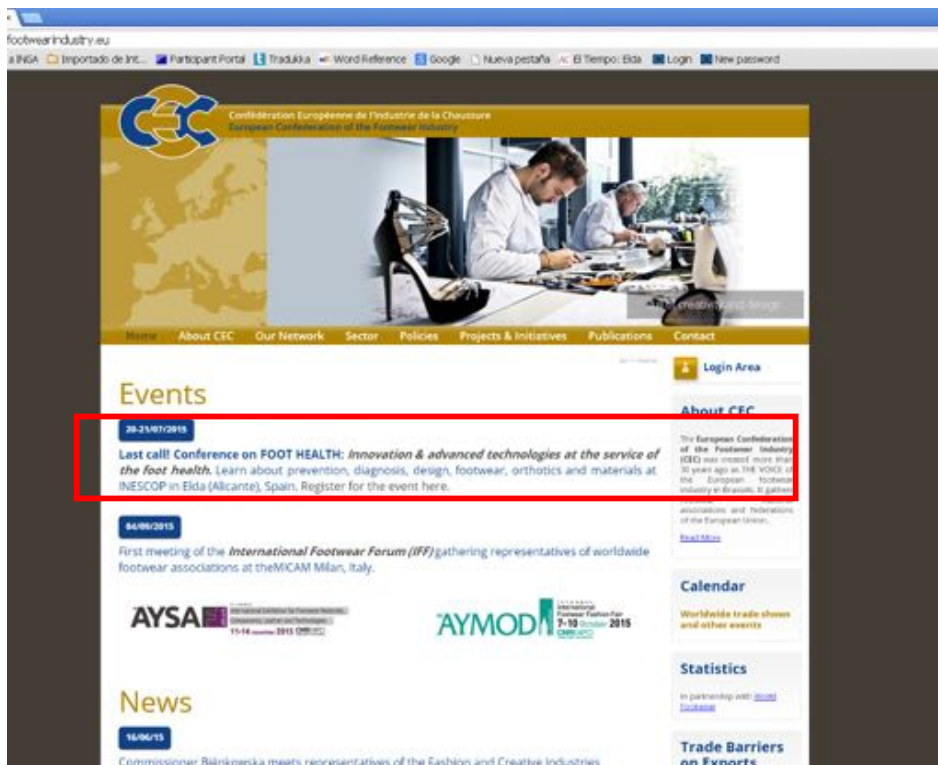
The following picture shows the impact of the dissemination actions carried out on the number of SOHEALTHY project web hits, as it can be seen, the higher number of visits have been produced in July, specifically, the week before the conference:

Estadísticas de:
www.sohealthyproject.eu

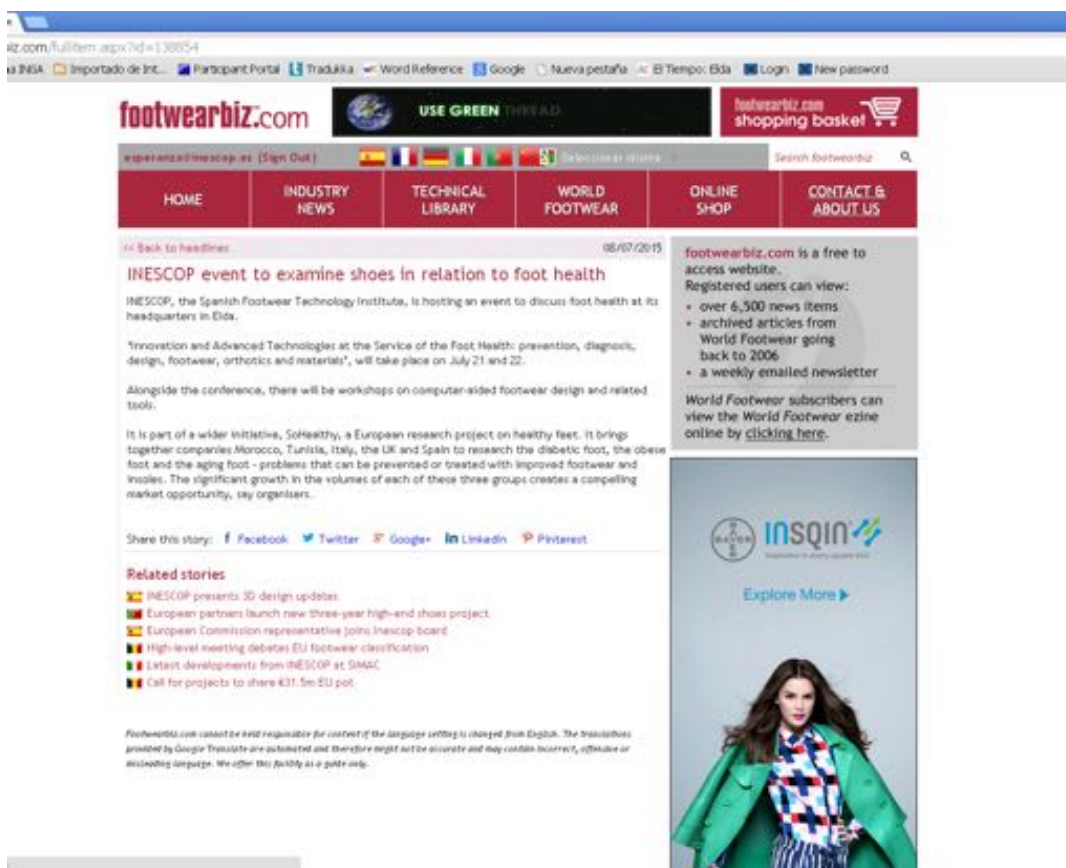
Resumen
Cuándo:
Histórico Mensual
Días del mes
Días de la semana
Visitas por Horas
Quién:
Países
Lista completa
Servidores
Lista completa
Última visita
Dirección IP no identificada
Visitas de Robots/Spiders
Lista completa
Última visita
Navegación:
Duración de las visitas
Tipos de ficheros
Downloads
Lista completa
Accesos
Lista completa
Página de entrada
Salida
Sistemas Operativos
Versiones
Desconocido
Navegadores
Versiones
Desconocido
Enlaces:
Origen de la conexión
Enlaces desde buscadores
Sitios de enlace
Búsquedas
Búsquedas por frases clave
Búsquedas por palabras clave
Otros:
Misceláneos
Códigos de error HTTP



- Website of the European Confederation of the footwear industry:



- Footwearbiz website:



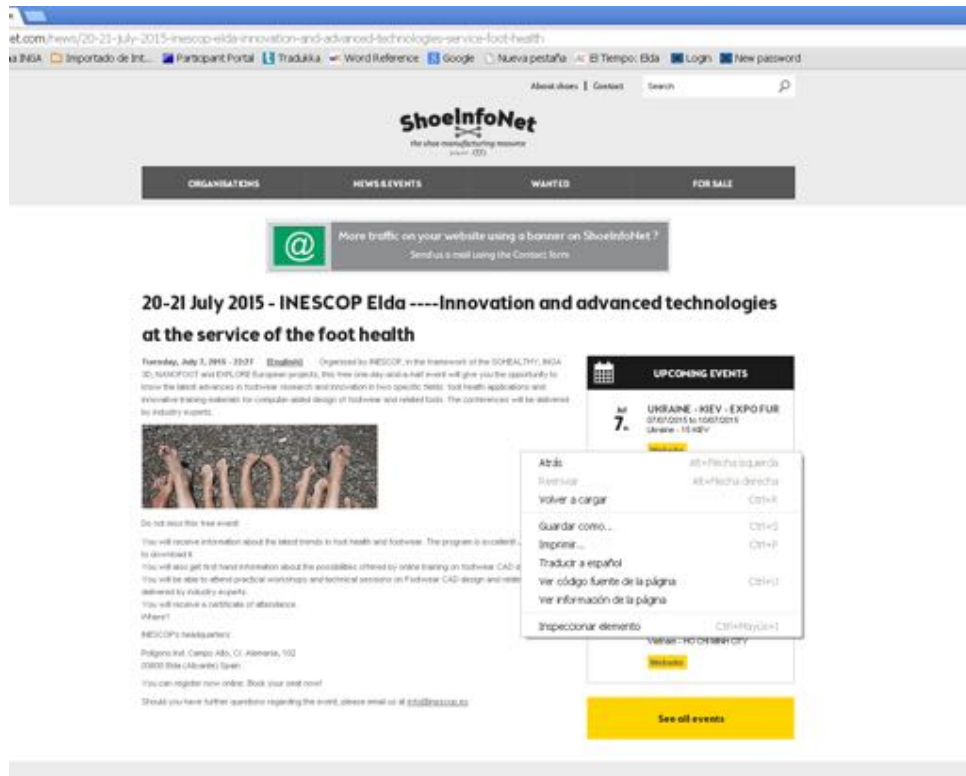
- **International Leather Maker Website:**



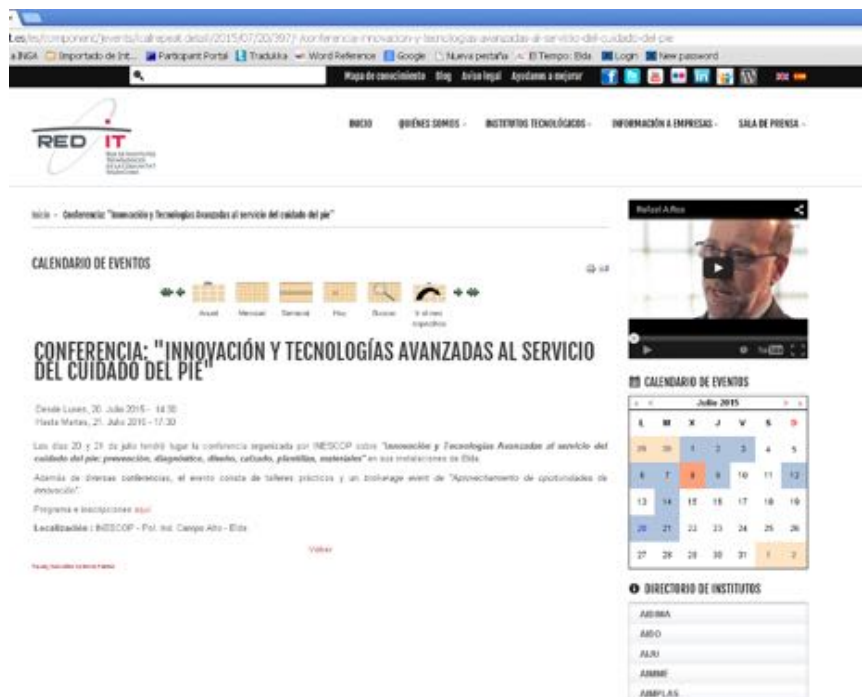
- **Website of the Plataforma tecnológica española de seguridad industrial:**



- **Direct contact:** with the aim of attracting the biggest audience possible, more than 200 people were directly contacted by phone.
- **ShoeInfoNet Website:**



- **REDIT Website (Network of Technological Institutes of the Valencia Region):**



- **Website of the Centro para el Desarrollo Tecnológico e Industrial (CDTI) and emails:** The Centre for the Development of Industrial Technology (CDTI) is a Public Business Entity, under the Ministry of Economy and Competitiveness, which fosters the technological development and innovation of Spanish companies. It is the entity that channels the funding and support applications for national and international R&D&i projects of Spanish companies. CDTI sent emails with information about the event to their contacts (>50,000)



- **PLATECMA Website**



• **Mass mailings sent by PROsumer.NET platform (ConXEPT):**

De: Paulette De Wilde [Paulette.De.Wilde@euratex.eu]

Enviado el: martes, 14 de julio de 2015 11:32

Para: Esperanza Almodovar

Asunto: PROsumer.NET becomes ConXEPT



PROsumer.NET becomes ConXEPT and further strengthens promotion of research and innovation interests of European consumer goods industries

Brussels, 14 July 2015

Dear Esperanza ALMODOVAR,

Since the end of the PROsumer.NET project in mid-2013, the core partners of the project have been active to turn it into a permanent European network to promote the research and innovation needs and opportunities for the European consumer goods sectors.

This process has led to:

- the formal recognition of our initiative as a Cross-cutting ETP Initiative by the European Commission and added to a list of 41 formally recognised ETP's across all major industrial sectors and technological domains (see info at http://ec.europa.eu/research/innovation-union/index_en.cfm?pg=etp#etps)
- the renaming of our initiative into the Consumer Goods Cross-ETP, in short ConXEPT
- the organisation of 2 public seminars on October 2014 in Brussels and June 2015 in Barcelona
- the participation in policy workshops organised by the European Commission
- the establishment of links with other European Technology Platforms such as EPoSS (ETP for Smart Systems Integration) to explore joint research and innovation interests in Smart Wearables or the Industrial Safety ETP for technology spill-overs from the personal protective equipment (PPE) market to consumer sports and outdoor applications

By clicking on the following link www.conxept.eu/docs/conxepts_1.pdf you can download the first edition of our new ConXEPTs newsletter.

In the coming months we are revamping our website which you can then find at www.conxept.eu and rebuild our experts' community and our communication channels towards you.

We hope that you appreciate this update on our initiative and we look forward to inform you about the next actions of the ConXEPT network.

With our best wishes for a beautiful summer,

Emanuele Carpanzano, Alberto Bichi & Lutz Walter
ConXEPT Executive Steering Group

P.S. People with particular interest in footwear and orthopaedics may find the final conference of the SoHealthy project of interest. Find more info at www.sohealthyproject.eu/events

- **Mass mailings sent by Asociación Valenciana de Empresarios del Calzado (AVECAL):**

Esperanza Almodovar

De: YOLANDA RÓDENAS - AVECAL - RESP ADMIN, FINANZAS, AYUDAS Y SUBV [yolanda@avecal.es]
Enviado el: martes, 14 de julio de 2015 14:42
Para: "YOLANDA RÓDENAS DPTO. AYUDAS Y SUBVENCIONES - AVECAL"
Asunto: INESCOP - Tecnologías avanzadas para el cuidado del pie- 20-21 julio

Avecal
Informa

Jornadas y Eventos

Asociación Valenciana de
Empresarios del Calzado

avecal
avecal.es

Innovación y tecnologías avanzadas al servicio del cuidado del pie

prevención, diagnóstico, diseño, calzado, plantillas, materiales

20 y 21 de julio de 2015
INESCOP Elda



nanofoot



Organizado por INESCOP, y en el marco de los proyectos europeos **SOHEALTHY**, **INGA 3D**, **NANOFOOT** y **EXPLORE**, este evento gratuito de día y medio de duración te ofrece la oportunidad de conocer los últimos avances en investigación e innovación en calzado en dos ámbitos específicos como son las aplicaciones para la salud del pie y la creación de un material formativo innovador para el diseño de calzado asistido por ordenador y herramientas relacionadas, impartidos por expertos de la industria.

¿Por qué no te lo puedes perder?

- Obtendrás información sobre lo último en calzado y salud del pie. El programa es excelente, puedes acceder a él con un click desde [aquí](#).
- Tendrás información de primera mano sobre las posibilidades de la formación online en diseño de calzado asistido por ordenador.
- Asistirás a talleres gratuitos de diseño de calzado asistido por ordenador y herramientas relacionadas, impartidos por expertos de la industria.
- Recibirás un certificado de participación.

¿Dónde se celebra?

En la sede central de INESCOP:
Polígono Ind. Campo Alto, C/ Alemania, 102
03600 Elda (Alicante) España

Puedes inscribirte ya con un click desde [aquí](#). Reserva tu plaza.

Si tienes alguna duda ponte en contacto con Inescop en info@inescop.es

Yolanda
Ródenas
Resp.

5. RESULTS

Thanks to the huge efforts made, the Exploitation Event was a success, as we reached 167 registrations (full seating capacity) of which 150 participants finally attended the event. The attendants mainly came from Spain (127 people), but also from the following countries (23 people):

- England
- Tunisia
- Morocco
- Portugal
- Romania
- Italy

The conference also included a high number of international speakers (8 out of 6 speakers).

The following table summarises the dissemination actions carried out and the approx. number of people contacted:

Name of action	Type of action	Dissemination targets	Reach (Approx. number of people contacted)
Event dissemination on the INGA3D project Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on the SOHEALTHY project Website,	Online dissemination	All interested parties	Global reach, Internet visitors: 2,211

Twitter and LinkedIn (from May to July)			
Event dissemination on the SEIMED Website	Online dissemination	All interested parties	Global reach, Internet visitors
Emails sent by SEIMED informing about the event	Mass mailings	SEIMED suscribed network users	2,830 users
Emails sent by CDTI informing about the event, LinkedIn and Twitter	Mass mailings to selected mailing lists	CDTI suscribed network users to the selected mailing lists	4,800 users
Event dissemination on CEC Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on ILM Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on FOOTWEARBIZ Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on REDIT Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on SHOEINFONET Website	Online dissemination	All interested parties	Global reach, Internet visitors
Event dissemination on PLATECMA	Online	All interested	Global reach,

Website	dissemination	parties	Internet visitors
Event dissemination on PESI Website	Online dissemination	All interested parties	Global reach, Internet visitors
Emails sent by PROsumer.NET platform (ConXEPT) informing about the event	Mass mailings	PROsumer.NET subscribed network users	>3,000 users
Emails sent by AVECAL informing about the event	Mass mailings	AVECAL subscribed network users	>1,000 users
Press release about the event on INFORMACION newspaper	Printed publication	Global, INFORMACION readers	18,652 readers
Press release about the results of the event on INFORMACION newspaper	Printed publication	Global, INFORMACION readers	18,652 readers
Information about the event at INFORMACION (online publication)	Electronic publication	Global, INFORMACION readers	91,000 readers/day
Emails sent by INESCOP about the event to INGA 3D stakeholders,	Mass mailings	INGA 3D stakeholders, SOHEALTHY community of	800 experts, companies, podiatrists, VET professionals and

SOHEALTHY network, member companies, podiatrists and podiatry schools in Spain, universities, etc.		experts, INESCOP's member companies, podiatrists, universities	people from universities (podiatry schools in Spain)
Direct contact by phone	Calls	VET professionals, podiatrists, podiatry schools, INESCOP's member companies	160 calls
		TOTAL *	124,453 people contacted

* The total number of people contacted is an estimation; we think that the real number is higher as we do not know the number of Internet visitors of some of the WebPages that disseminated the event and therefore we have not taken them into account in the calculations.

It is important to highlight that after the event, a press release about the results was published on INFORMACION newspaper and INESCOP Newsletter:

Zapatos de la clínica a la fábrica

► Inescop reúne a más de 350 expertos de la industria zapatera y del ámbito de la salud y la investigación para compartir sus avances en el calzado para diabéticos, obesos y mayores ► El reto es crear productos específicos y potenciar el diagnóstico digital del médico al fabricante

El día

PEREIRA
En la vide central de Inescop en Elda ha concluido el primer encuentro de expertos de la industria del calzado y el ámbito de la salud y la investigación para asistir a la jornada «Innovación y tecnología avanzadas al servicio del cuidado del pie». Un foro en el que se han podido conocer, de primera mano, algunas de las últimas investigaciones en materiales, tecnologías de diseño por ordenador, nanotecnología, nuevos sistemas de diagnóstico y enfoques multidisciplinarios orientados al mejoramiento de la calidad de vida de personas mayores, obesas o diabéticas que sufren problemas en sus pies.

El lunes los profesores Christopher Nester y Carlos Prieto, de la Universidad de Salento, presentaron algunas de las tecnologías de diagnóstico digital, actualmente en proceso de desarrollo y en colaboración con Inescop y empresas de España, Reino Unido e Italia.



Análisis dinámico en sistema portátil en uno de los talleres de la jornada de Inescop. (A. M. G. GARCÍA)

Ambos docentes coincidieron en afirmar que la digitalización de procesos se abre camino desde la clínica a la empresa encargada de fabricar el calzado o las plantillas. En este contexto Juan Rivas, miem-

bro del programa de I+D+i Iberoamérica, presentó las líneas de financiación de proyectos en Europa, y cómo las empresas y los investigadores pueden utilizarlas para financiar desarrollos futuros

en el cuidado de los pies sensibles. El reto de crear productos específicos para personas mayores con el fin de mejorar su movilidad para aumentar su calidad de vida fue el que lanzó en su presentación el doctor

Vicente Gil, catedrático de Medicina Familiar de la UMH y responsable de la Unidad de Investigación de Medicina Familiar.

La jornada de ayer se centró en la relación entre nutrición, actividad física y calzado, un aspecto que marca un camino para el desarrollo multidisciplinar que puede dar argumentos a nuevos productos con un valor añadido diferencial para el calzado. En esta dirección fue la exposición del catedrático de Nutrición de la UMH, Enrique Bicho, y de la experta Patricia Hualde, del Reino Unido. También se presentaron los resultados de proyectos europeos en los que colabora Inescop y diversas empresas: alianzas entre el uso de nanomateriales en calzado y plantillas y la implementación de sistemas de diseño tridimensional por ordenador. Otro paso para el sector en un foro que se completó con una labor práctica sobre diseño 3D de calzado y suelas, sistemas de personalización y dispositivos fijos y portátiles para el escaneo de pies y plantas tanto en 2D como en 3D.



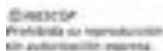
INESCOP

Noticias

Nº 278 - AGOSTO 2015 • PUBLICACIÓN EXCLUSIVA PARA SOCIOS®

MÁS DE 160 EXPERTOS EN INNOVACIÓN, SALUD Y CALZADO SE REÚNEN EN INESCOP

Más de 160 expertos procedentes de la industria de calzado y del ámbito de la salud y la investigación, se reunieron durante dos días en INESCOP, para asistir a la jornada *"Innovación y tecnologías avanzadas al servicio del cuidado del pie"* donde conocieron de primera mano algunos de los avances más significativos en materiales, tecnologías de diseño por ordenador, nanotecnología, nuevos sistemas de diagnóstico y enfoques multidisciplinarios orientados a la mejora de la calidad de vida de personas que sufren algún problema en sus pies o simplemente la realización de calzado más confortable o con propiedades novedosas.



El profesor Christopher Nester durante su ponencia

El evento se completó con la realización de 6 talleres prácticos en los que se mostraron el funcionamiento de diversos sistemas de diseño 3D de calzado, de diseño 3D de suelas, sistemas de personalización de calzado, dispositivos fijos y portátiles tanto en 3D como en 4D, para el escaneo de pies y plantas, así como el estudio dinámico y cinemático del pie. Además, los talleres se completaron con otros dos más específicos sobre el uso de nanomateriales aplicados en calzado y otro sobre formación innovadora.



Análisis dinámico en sistema portátil

Para finalizar la jornada, se montó una sesión específica dedicada al lanzamiento de nuevas iniciativas empresariales la cual contó con la participación de representantes del Banco Santander y de INESCOP-Porto, coordinadores del proyecto EXPLORE sobre explotación de resultados de proyectos de investigación en el ámbito europeo así como de INESCOP, quien se encarga de acompañar a multitud de empresas de calzado y componentes en el lanzamiento de nuevas iniciativas y en optimizar la financiación en base a los esquemas disponibles a escala regional, nacional y europea.



La empresa de calzado de trabajo, DIAN, recibió por parte de INESCOP, en el marco de la jornada sobre el cuidado del pie, el certificado AENOR de la Huella de Carbono de Producto.

5.1 Satisfaction surveys

During the following days after the event, an online satisfaction survey was sent to the participants in order to receive feedback from them and know their opinion on a 5-point rating scale. 75 people completed the survey. The summarised results obtained can be seen next:

Foreign participants

Questions: In general, how would you rate the organisation of this event?

No. Answers: 15

Very poor	Poor	Fair	Very satisfactory	Completely satisfactory	Total	Average rating
0,00%	0,00%	0,00%	33,33%	66,67%	15	4,67
0	0	0	5	10		

Spanish participants (answers in Spanish)

Questions: In general, how would you rate the organisation of this event?

No. Answers: 60

Very poor	Poor	Fair	Very satisfactory	Completely satisfactory	Total	Average rating
0,00%	0,00%	6,67%	50,00%	43,33%	60	4,37
0	0	4	30	26		