



The main goal of the HYGEIA project is to provide updated, reliable and easily-accessible vocational education and training (VET) on personal and environment hygiene at workplace for healthcare workforce in care settings.



**Output 1: E-Learning  
Multimedia  
Course**

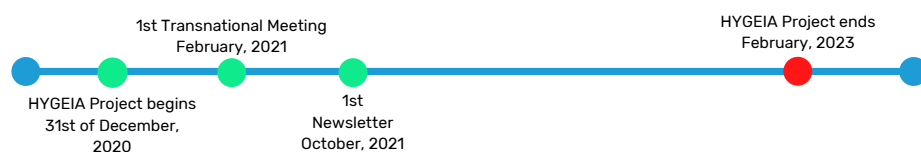


**Output 2: Manual for  
Personal and  
Environmental Hygiene**



**Output 3: Needs  
Analysis**

## PROJECT TIMELINE



**miThings**

**Tech4Care**  
Nuove tecnologie per l'assistenza

**innatolia**  
R&D Consultancy

**F.F.** Fundación para la Formación  
e Investigación Sanitarias  
de la Región de Murcia

**li.u** LINKÖPING  
UNIVERSITY

**UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE**



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# PROJECT OUTPUTS

The HYGEIA project will achieve the following outputs on its completion and all outputs will be publicly available in 5 languages (English, Swedish, Italian, Spanish, Turkish).

## Output 1: E-learning Multimedia Course

Developing an innovative **serious game** to foster the engagement of HYGEIA's target group, as well as improving the effectiveness of the VET training modules that are developed against conventional learning approaches



The game should be intuitive even for those workers with low digital skills and should be as not invasive as possible. It should also be easy to be played without supervision, in order to improve engagement and allow regular usage. By using gamification features, in fact, workers will be provided with the necessary level of motivation and will be driven to reach higher training goals.

## Output 2: Manual for Personal and Environmental Hygiene

Developing an easy-to-read and useful **handbook** for healthcare workers about daily hygiene practices in their daily working life, addressing each HYGEIA target groups (health professionals, allied health professionals and support staff)



## Output 3: Needs Analysis

Developing **survey** tailored to the HYGEIA's target groups, in order to understand their main profiles, needs and technology (non-) use and digital skills, ensuring the inclusiveness of HYGEIA Project.



## Interview with expert María del Pilar López Acuña

- Expert in management and research with 12 European projects
- Master's degree in Public Health/ Expert in Promotion and Management of Projects and international Activities of R+D+I.
- Dentistry and specialist in Orthodontics and Orthopaedics
- Experience working at FFIS/IMIB since 2009.



- FFIS is a public & non-profit organization which depends on the Regional Ministry of Health
- Responsible for managing the continuing education of its 21,000 professionals, promotion, development, management and dissemination of biomedical research programs and management of regional research structures in Institutions and health centers

### Hi Pilar, could you please talk about your and your organization's roles in the HYGEIA Project?

FFIS provides knowledge and experience in training and education for health personnel on personal and environmental hygiene in healthcare settings. We will test an innovative system via participating in the development of apps for healthcare professionals in a community and residential care environment.

My responsibility in HYGEIA is to assume the coordination and implementation of the project in the Region of Murcia in a conducive environment to promoting the training of professionals in up-to-date, reliable and easily accessible vocational training and education activities on personal hygiene.



### Why do you think that HYGEIA Project is significant?

As health knowledge evolves, we have been aware of the risks to which every day in healthcare we may be exposed and we expose our users, patients or the general population, therefore an updated and reliable training gives us the tools to combat the risks. What better way to train than in an innovative and interactive way than through technology, allowing the transmission of knowledge in a simple and enjoyable way.

### Do you have any messages to the readers?

To the extent that each of the health workers commit to a professional and excellent work, they see themselves in the responsibility of every day to update their knowledge in order to offer the best care with the highest quality and care for the benefit of their patients and the general population.

*Knowledge provides security and self-confidence! – Pilar*





## HYGEIA Goals

- Empowering VET (Vocational Education & Training) for healthcare workforce, concerning key competences related to personal and environmental hygiene
- Combating infectious diseases through raising the awareness about hygiene practices
- Filling the gaps in hygiene education across Europe, particularly targeting health professionals, allied health professionals and support staff

## Who Is Hygieia?

- One of the five daughters of Asclepius, god of medicine. Hygieia is the personification of health, cleanliness and sanitation. As chief attendant to her father, she was more directly associated with cleanliness, how to live a long life and the prevention of sickness.
- Her name is the source for the word "hygiene".



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## HYGEIA Consortium



*miThings' main focus is to develop and provide technological solutions for organisational clients, including information systems and platforms, internet-of-things (IoT) solutions and selfcare mobile applications.*



*Tech4Care is an innovative start up company providing products and services for digital health, with the aim to innovate care and training in health and social care sectors.*



*The Foundation for Health Training and Research of the Region of Murcia (FFIS/IMIB) is a non-profit public sector foundation, established to support and promote Training and Research of the entire health sector of the Region of Murcia. Established (BORM of February 26, 2005)."*



*Linköping University (LiU) is one of the larger academic institutions in Sweden, Northern Europe. LiU is innovative, highly ranked and known for close collaboration with business and society.*



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*The Polytechnic University of Marche is a public university in Ancona, Italy. It has about 17.000 students and include five faculties (Engineering, Science, Economic Sciences, Medicine and Agricultural Sciences), which permanently employ about 550 academics and 550 technical/administration staff.*



*Innatolia is committed to offer consultancy, trainings and R&D services in the field of sustainable development, ranging from healthcare to environmental protection.*



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