

About Reinitialise

Digital technology and Information and Communication Technologies based on Artificial Intelligence have a cross-cutting impact in many areas of our life and especially in the domain of health. They also represent a key driver of innovation and socio-economic growth.

These technologies open up new possibilities but also risks and challenges, such as **risk of violating ethical principles and fundamental rights** (such as privacy rights, data ownership, etc.). These challenges can only be adequately faced by developing an interdisciplinary approach, where technology is designed in compliance with the preservation of fundamental rights.

Reinitialise "Preserving fundamental rights in the use of digital technologies for e-health services", is a European project funded by the Horizon 2020 –

Twinning Programme. It aims to step up and stimulate scientific excellence and increase capacity for the design and use of digital technologies in the sector of health, in order to integrate the potential of technology with the awareness of its ethical, legal and socio-economic dimension.

The **Maria Curie-Skłodowska University – Poland** will engage in an interdisciplinary transfer knowledge process with three European leading institutions (**KU Leuven in Belgium, University of Macerata and Eurocentro Srl in Italy**) and the continuous involvement of local stakeholders, with the ultimate goal of creating synergies between research excellence and business and public sectors, that can lead to innovation and socio-economic territorial development in the health sector.



Twinning is a European Union instrument aimed at strengthening a defined field of research within a research organisation by linking it with internationally-leading counterparts in Europe.

Reinitialise

Coordinator



Partners

KU LEUVEN



Where to get more information

Maria Curie-Skłodowska University – Poland
info@reinitialise.eu

Prof. Ilona Biernacka-Ligieza – Scientific Coordinator
ilona.biernacka-ligieza@poczta.umcs.lublin.pl

Dr Olga Pliszczynska-Mokijewska – Project Manager
olga.pliszczynska@poczta.umcs.lublin.pl



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement n. 952357.

This leaflet reflects only the author's view. The Research Executive Agency is not responsible for any use that may be made of the information it contains.



Reinitialise

Preserving fundamental rights in the use of digital technologies for e-health services

www.reinitialise.eu



Action Phases

The knowledge transfer involves two action phases:

Phase 1 - Enhancing scientific excellence

This phase aims at strengthening and stimulating scientific excellence of the Maria Curie-Skłodowska University through the following activities:

Academic symposiums to define a common research agenda and a plan for the systematic transfer of knowledge and innovation in the project's key areas.

Mutual **transnational staff exchanges** to guarantee the transfer process. Polish senior researchers will first work alongside their colleagues in Leuven and Macerata to gain deeper insight into their particular research area (job shadowing). Subsequently, senior researchers from these leading institutions will go to the Maria Curie-Skłodowska University to assist their Polish colleagues in consolidating knowledge acquired during job shadowing.

Furthermore, Reinitialise will give Polish Early Stage Researchers the opportunity to have a significant mobility experience at KU Leuven and at the University of Macerata thanks to a **research fellowship**.

New digital technologies have the potential to significantly transform society, but they are not an end in themselves, but rather a promising means to bring progress and innovation. To do this, they need to be human-centric, taking into account several legal, socio-economic and ethical issues from the design phase. For this reason, Reinitialise builds on a highly interdisciplinary approach, by integrating technological aspects, with health aspects related to active ageing, nutrition and dietetics, with ethical principles and legal regulations, and economic and social studies.

Scientific Strategy

The project focuses on the field of e-health and in particular on:

- health-oriented technologies for active ageing
- digital tools for prevention care in the sectors of nutrition and dietetics



Reinitialise will increase the capacity to attract and manage EU funds, with a specific set of training and networking activities, as an important way to boost innovation and improve services.

Phase 2 - Transfer of research to the market and society

The second action phase will strengthen and stimulate innovation capacity of the Maria Curie-Skłodowska University, with the aim of transferring research results towards the market and public services. The aim is to strengthen cooperation between researchers and business and public service representatives, to promote entrepreneurship, and to improve the ability of translating research into concrete products and services.

This is achieved through:

Showcase events to show successful Belgian and Italian cooperation experiences of partnerships between academia and socio-economic actors.

A **Winter school on innovation** in Lublin, which will provide Polish researchers and local stakeholders with knowledge and soft skills, useful for collaborating in an innovation ecosystem.

A **Venture Lab** involving all the relevant actors in jointly designing and implementing concrete experiences of collaboration in the field of e-health.

What the project will bring

A **Maria Curie-Skłodowska University Strategy for societal impact**, defining modalities to increase collaboration with local stakeholders and with the aim of developing innovative products and services in the e-health sector, respectful of human fundamental rights.

A number of innovative **business ideas and start-up proposals** jointly developed by researchers and local stakeholders, thanks to their increased entrepreneurial aptitude and ability to integrate digital technologies with the ethical and social aspects.

A Joint Research Roadmap will formalize a **strengthened research collaboration among the three universities** in the field of e-health.

Partnership

Maria Curie-Skłodowska University - Poland

It is the largest higher education institution in Eastern Poland, with 23 research departments among 11 faculties in Lublin plus a branch campus in Puławy, involving around 21.000 students. It offers over 80 programmes in Polish and English and more than 250 specializations.

The project involves researchers from the Institute of Social Communication and Media Science, the Department of Neuroinformatics and Biomedical Engineering, the Department of Social Health Problems, the Department of Political System and Human Rights, the Department of International Security and employees of the International Cooperation Center and the Center for Knowledge and Technology Transfer.

KU Leuven - Belgium

A leading institution in health technologies that will contribute with innovative methods and practical solutions in the field of machine learning, neuroinformatics, active ageing and nutrition and dietetics.

University of Macerata - Italy

A leading institution in ethical, legal and socio-economic aspects related to health and digital technologies. Its contribution will also include high expertise in entrepreneurship education among graduates from socio-humanities disciplines.

Eurocentro Srl - Italy

A leading institution in the design and implementation of interdisciplinary and intersectoral EU projects, and more in general in actions aiming to support territorial development and international cooperation.

The Partnership is supported by an Innovation Board. The Board is composed of selected representatives of stakeholders from the region of Lubelskie. Its main task is to give suggestions and inputs useful for an actual transfer of research results into the region of Lubelskie for its socio-economic development.

The project will establish a Knowledge Platform to gather actors around experiential learning and co-creation of innovative e-health services and products. Its members can interact in joint activities and discussions through the platform's "repertoire of resources", the mentorship section, and the e-learning section, by sharing and bringing together knowledge, resources and inputs.