



TechConnect

Human Tech Index

Assessing and strengthening human-tech collaboration

TechConnect is an EU project that explores how advanced digital technology can best complement human skills. Researchers at Trinity College Dublin together with the Tallaght University Hospital and researchers/representatives from universities and hospitals in the Netherlands, Sweden and Spain, are participating in the project.

Our mission

Our mission is to deepen our understanding of the dynamic interplays between new digital technologies and human skills, generating novel and practical knowledge on the emerging topic of Human-Tech Skill complementarity.

Our expected outcomes

Deepen our understanding on the potential and impact of new technologies to substitute or complement human skills in performing job task

Development and deployment of technologies that complement and enhance human skills, and development of the corresponding skills in the workforce.

Our objectives

A novel and holistic concept

A validated human tech skill complementarity index

Establishing a predictive model

Driving changes across technology design

Scaling the outcome of TechConnect



[Horizontechconnect.eu/](https://horizontechconnect.eu/)

[Linkedin.com/company/horizon-techconnect](https://www.linkedin.com/company/horizon-techconnect)

[X.com/TechConnectEU](https://x.com/TechConnectEU)

[Youtube.com/@HorizonTechConnect](https://www.youtube.com/@HorizonTechConnect)





TechConnect

Human Tech Index

What we will look at

How can advanced digital technology best complement human skills?

And how does the context in which the technology is used affect the benefits it creates?

Why does the use of the same technological solution sometimes lead to increased benefits and sometimes not?

In the project, we will conduct twelve case studies of the interaction between digital technology and various professions in healthcare. Three of these cases will be studied at Tallaght University Hospital.

We will also carry out interventions to see how the interaction between digital technology and different professional groups in healthcare can occur more smoothly and in a way that creates greater benefits.

Why we need to understand how technology complements humans

Healthcare is a technology-intensive sector and hospitals are technology-dense environments. New digital technology is increasingly expected to contribute to both higher quality and more efficient use of resources. However, new technology is not always used as intended. Sometimes new technology creates benefits for one part of the organisation while causing problems in another.

In this project, we want to understand why this is so, so that in the future, new technology can be better matched with specific organisational and social conditions. In the TechConnect project this gap between the intended use and benefits of digital technology and the actual use and benefits will be studied in-depth in the healthcare sector with the aim to generalise the results and findings beyond healthcare.

Partners



Coordinator



UNIVERSIDAD
POLITÉCNICA
DE MADRID



Utrecht
University



Tallaght
University
Hospital
An Academic Partner of Trinity College Dublin

Ospidéal
Ollscoile
Thamhlachta



UMC Utrecht



Region
Västmanland



SaludMadrid
Hospital Universitario
Ramón y Cajal

