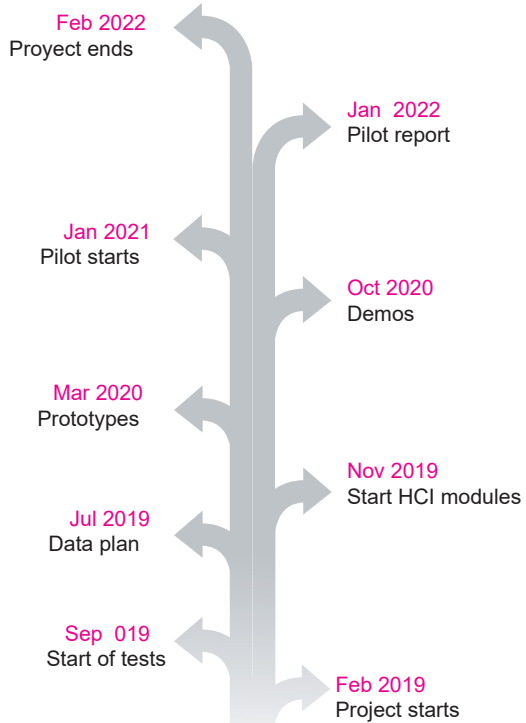# W
WORKINGAGE

WorkingAge involves combining technology with empathy, to create well-being experiences for people to make sense and adapt to a world that is constantly changing

MILESTONES

Feb 2022
Proyect ends

Jan 2022
Pilot report

Jan 2021
Pilot starts

Oct 2020
Demos

Mar 2020
Prototypes

Nov 2019
Start HCI modules

Jul 2019
Data plan

Sep 019
Start of tests

Feb 2019
Project starts

1 ITCL Instituto Tecnológico de Castilla y León
2 EXUS
3 UNIVERSITY OF CAMBRIDGE
4 POLITECNICO MILANO 1863
5 Green communications
6 SAPIENZA Università di Roma BRAINSigns
7 RWTH AACHEN UNIVERSITY
8 TELESPAZIO a LEONARDO and THALES company
9 audEERING intelligent Audio Engineering
10 112 EENA
11 FUNDACIÓN INTRAS
12 TMA

The consortium is formed by the balanced collaboration of international level entities represented by:
•3 Universities (UCAM, POLIMI, RWTH), •4 SMEs (GC, BS, AUD, TMA),
•1 RTD centre (ITCL), •2 Big enterprises and Industries (EXUS, TPZ)
•2 Associations (EENA-112, INTRAS)

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WORKINGAGE
Smart Working Environments for All Ages

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WORKINGAGE
WANT TO KNOW MORE?
www.workingage.eu

WORKING**AGE**

WorkingAge will use innovative **HCI methods** (augmented reality, virtual reality, gesture/voice recognition and eye tracking) to measure the user emotional/cognitive/health state and create communication paths. At the same time with the use of **IoT sensors** will be able to detect environmental conditions.

The purpose is **to promote healthy habits** of users in their working environment and daily living activities in order to improve their work-ing and living conditions.

By studying the profile of the **>50 (Year old) workers** and the working place requirements in **three different working environments** (Office, Driving and Manufacturing), both elements (user profile and work environment) will be considered. Information obtained will be used for the creation of **interventions that will lead to healthy aging inside and outside the working environment.**

WorkingAge will test and validate an **integrat-ed solution** that should learn the user's behaviour, health data and preferences and through continue data collection and analysis will interact naturally with the user. **This innova-tive system** will provide workers assistance in their everyday routine in the form of reminders, risks avoidance and recommendations. In this way, the WorkingAge project will create a **sustainable and scalable product** that will empower their users, easing their life by attenuating the impact of aging in their autono-my, work conditions, health and well-being.

The WorkingAge tool will combine Human-Computer-Interaction (HCI) methods supported by different measurements reflecting the user´s cognitive and emotional states for giving recommendations to workers interacting in their usual working environment.

The WA project aims at making a step forward in technology for new working environment possibilities. The project´s objectives have been structured in different areas:

• Improve quality of life of people
• Provide digitally enabled adaptive services and solutions
• Create a Smart Working Environment
• Develop a user-centred design, with new intuitive ways of human-computer interaction

Work Enviromeent

Noise

Temperature

Ilumination

Humidity

Cloud

Stress Strain and health evaluation

WorkingAge tool

Person Enviromeent

Pupil & Goze, EOG

Facial Expression Voice Recognition

GSR

HRV &EEG

Body posture Gesture Recognition EMG

EEG

Tool development   **Piloting**   **Evaluation**