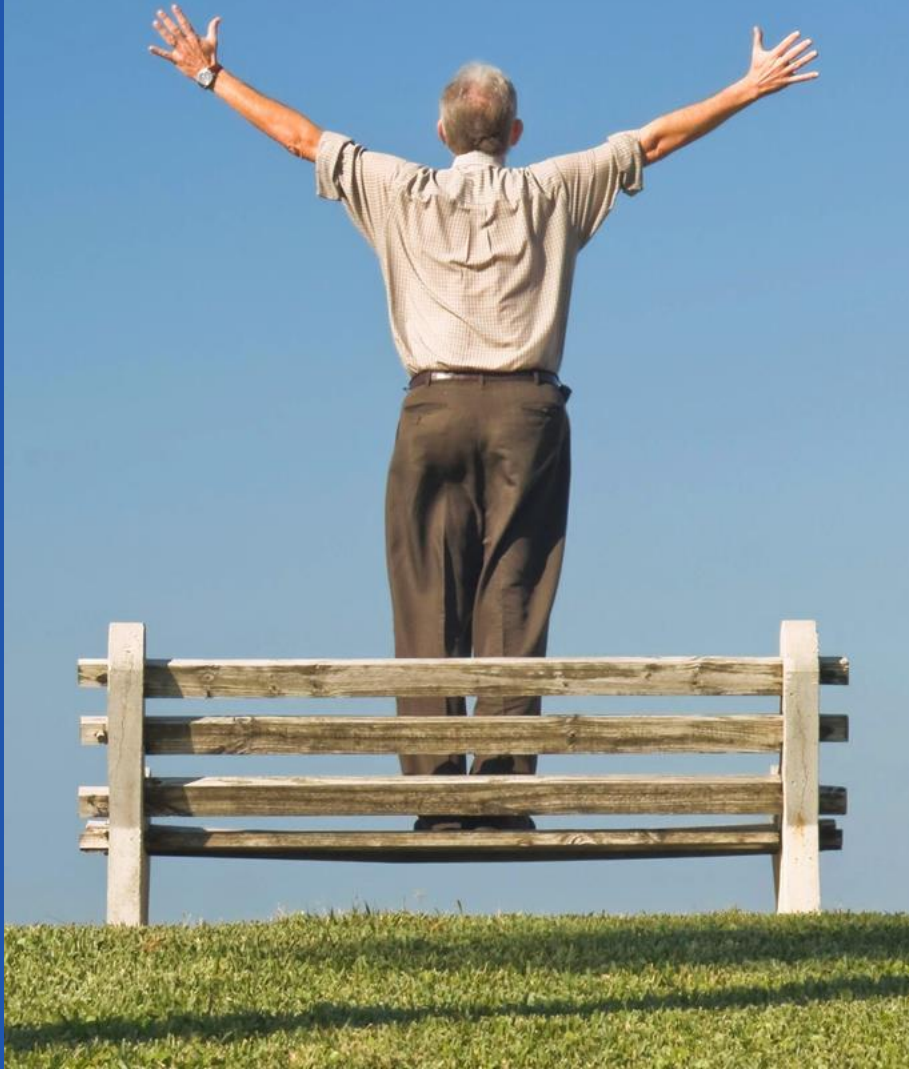


AMBIENT
ASSISTED
LIVING
JOINT PROGRAMME



Ethics,
data
and
privacy
protection

Chair:

Elisa Irlandese

European Commission | Policy Officer

Speakers/Experts:

Ellen Steenmeijer (Virtask)

Stephanie Koenderink (De Parabool)

Carina Dantas (Cáritas Coimbra)

Edith Birrer + Daniel Bolliger (iHomeLab)

Sonja Hansen (Aarhus Municipality)

Peter Mayer (Technical University Vienna)

Ana Jegundo (Cáritas Coimbra)

Valentina Tageo (ECHAAlliance)





“Hi, I’m Anne!

I’m a personal assistant. I can make your life easier.

You can talk to me and I’ll listen. Or tap on my screen. I can remind, connect and entertain you and keep an eye on how you’re doing.

How can I be of assistance to you?”

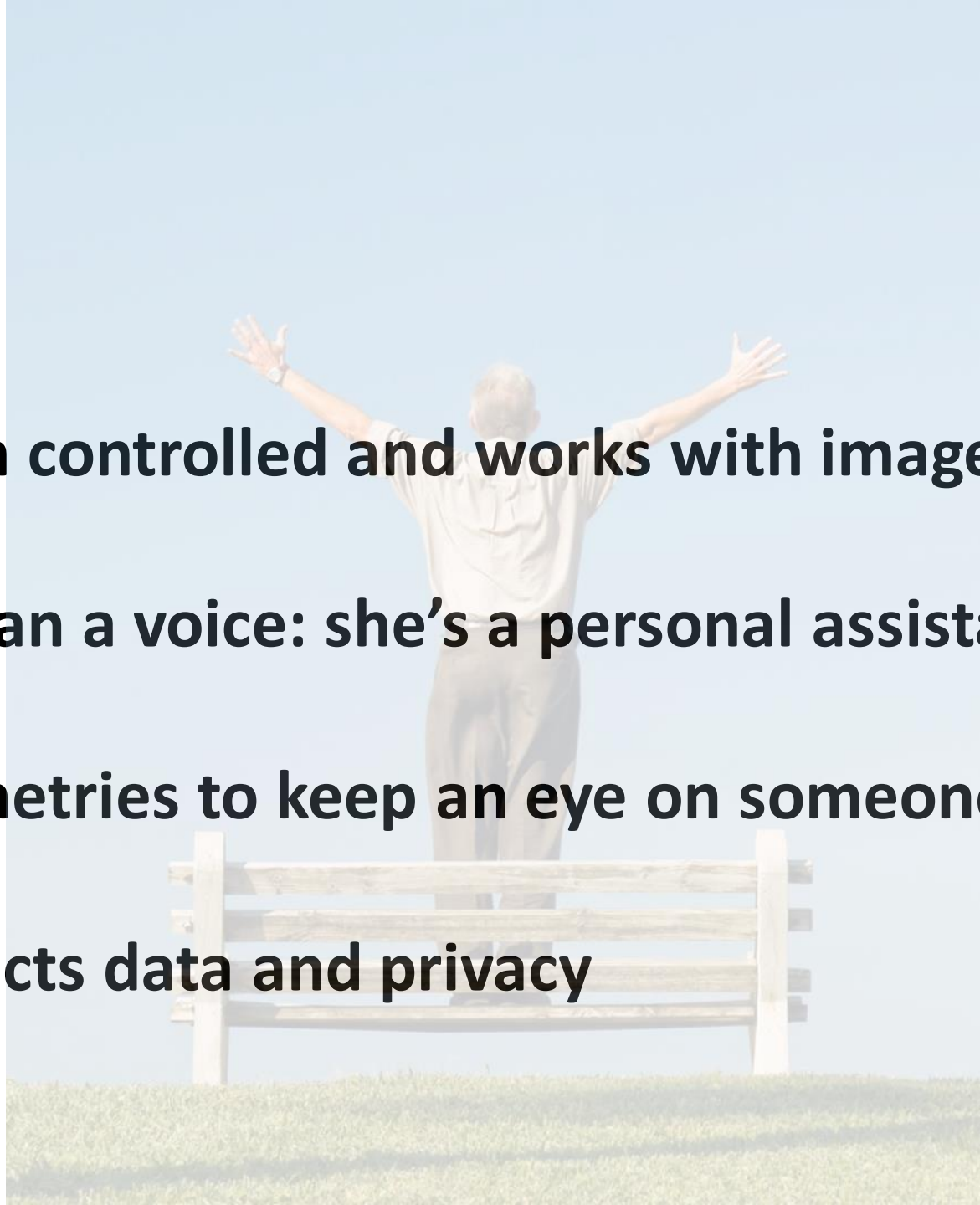
To sum up:

Anne is speech controlled and works with images and tapping

She is more than a voice: she's a personal assistant with a face

She uses telemetries to keep an eye on someone's wellbeing

And, she protects data and privacy





...uses telemetries to keep an eye on someone's wellbeing

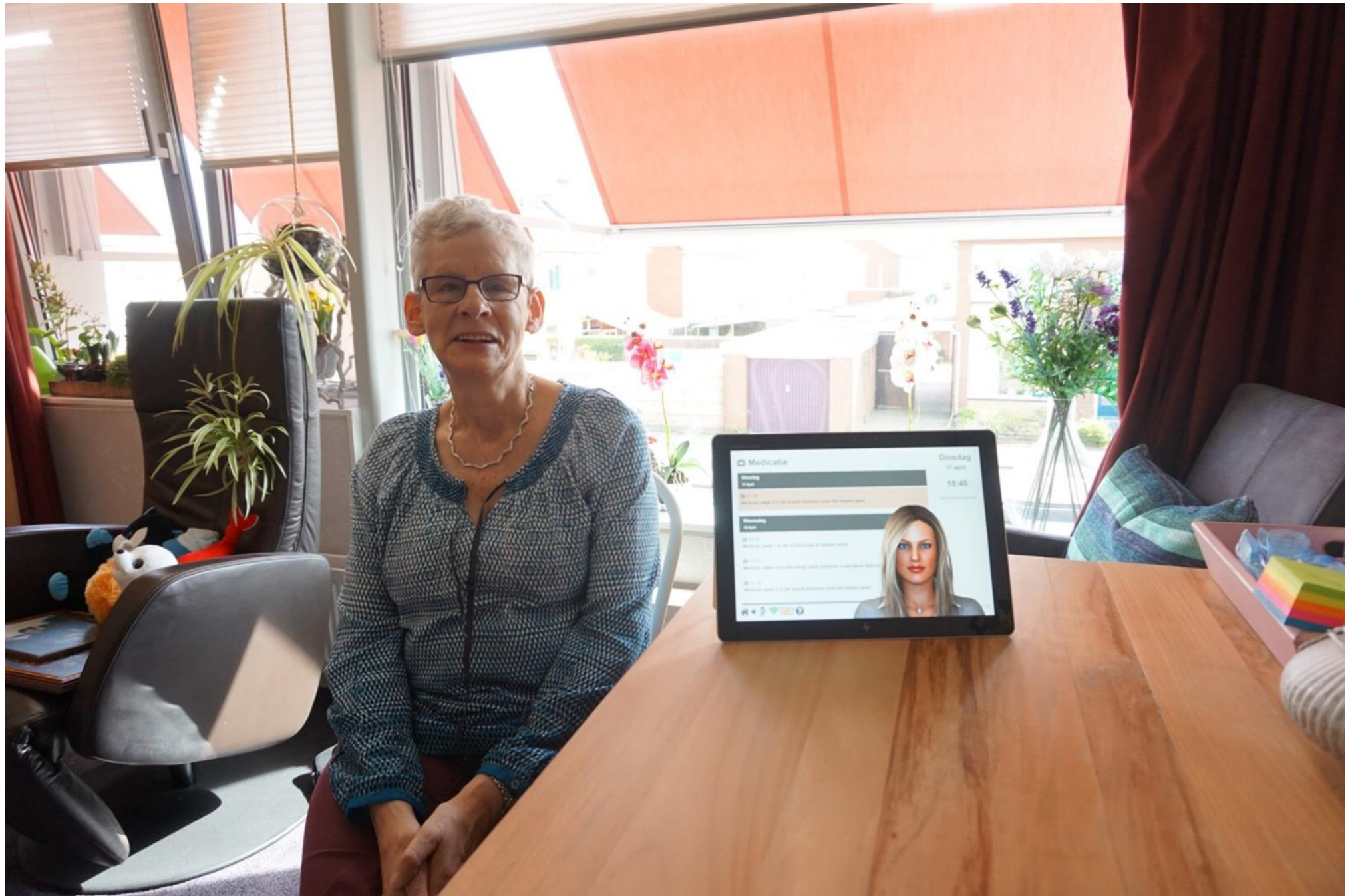




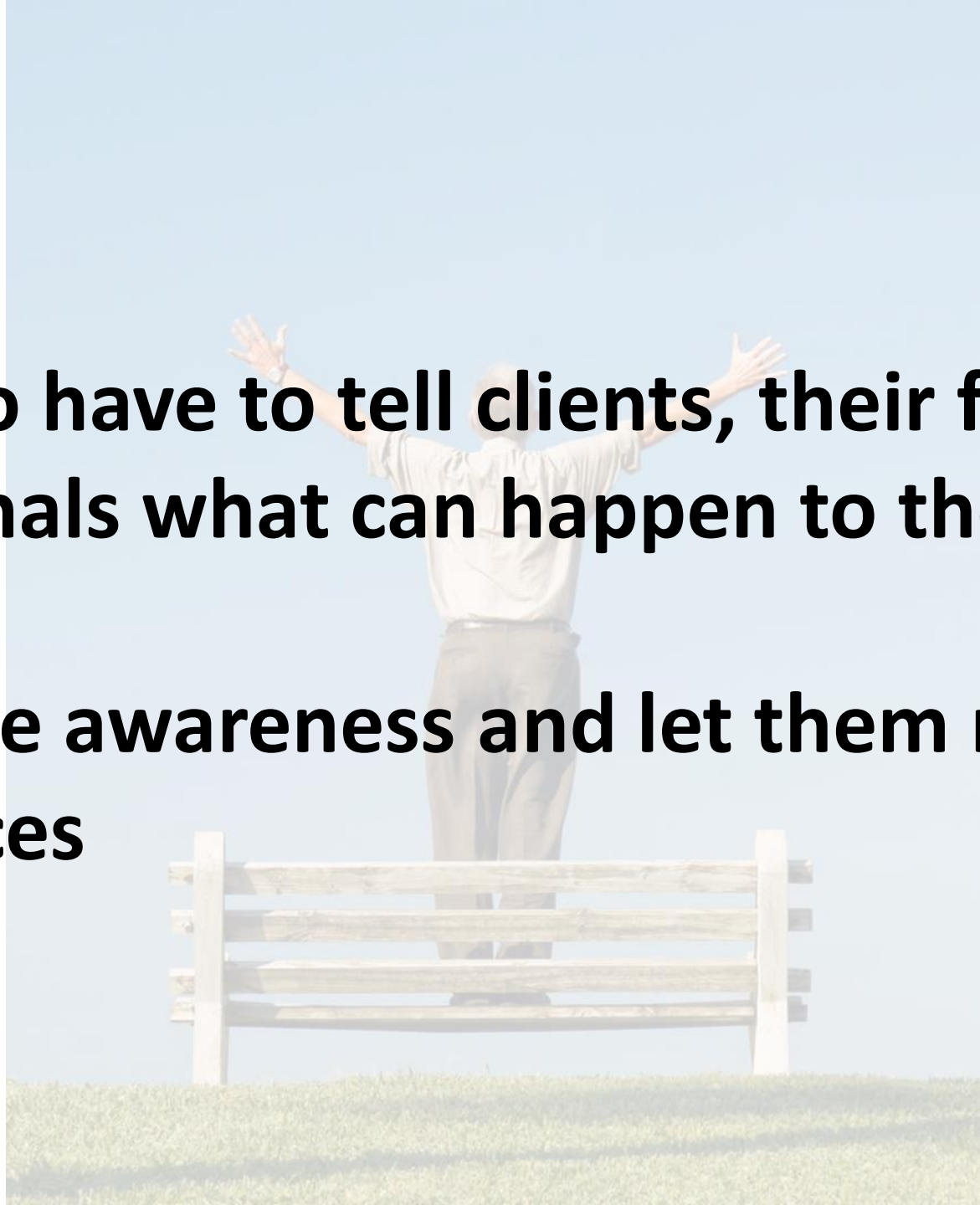
**And, she protects
data and privacy**

- **Do the users and their (family) carers value our ‘protection’?**
- **Are people aware of the ‘danger’ and the ‘real price’ they pay for cheap or even free solutions?**

- **Do we have to tell them what can happen to their privacy using IoT solutions in the cloud?**
- **Can we give people a choice to use their own data to pay for services?**



- **Yes, we do have to tell clients, their family and professionals what can happen to their privacy**
- **To increase awareness and let them make their own choices**



Assertion:

It's essential to raise awareness, so (older) people are able to make 'safe' choices themselves.



I'm aware

I've got a choice

I'm safe

**End user
organisation
Stephanie**

**SME
Ellen**

**Developers
Dani + Edith**

ETHICS, DATA AND PRIVACY PROTECTION

How do we proceed to a common **European Framework** for
Interactive Technologies in Active and Healthy Ageing?

THIS IS MARIA

She is eager to experiment
new technologies that can
help her to age in a pleasant
and healthier way.

This is what we all look for!



BUT ARE ALL DIGITAL TOOLS FOR AHA SAFE?

- MEDICAL DEVICES
- CLINICAL TRIALS

Well framed under EU Regulation 536/2014

- WELLBEING TOOLS
- PILOTS AND EXPERIMENTS

No framework and no regulator

The new Regulation (EU) No. 536/2014 for clinical trials of medicinal products for human is part of a European regulatory framework in which the European Commission has wished to give a strong impetus to scientific research and industrial progress. It is a new regulation that fills a series of regulatory gaps in the Clinical Trials through the creation of a uniform framework for the authorization of clinical trials by all interested Member States with a single assessment of the results.

If a clinical study does not meet any of the above criteria, it is considered a non-interventional study to which the regulation does not apply.

EXAMPLES



SmartWork is an H2020 project addressing a key challenge facing today's older generation, as they are living and working longer than their predecessors:

Design and realization
of age-friendly
living and working
spaces.

Partners





SmartWork aims to provide:

Workers

- **ubiWork** - flexibility
 - **myWorkAbility** - capacity
 - **healthyMe** – health monitoring
 - **workCoach** – training
-
- **digiTeam** - managers
 - **iCare** - caregivers



ubiWork

A service to support on-the-fly work flexibility through an ubiquitous computer work environment. SmartWork exploits the GPII auto-personalization infrastructure to build inclusive, accessible interfaces for the office workers which adapt to their current needs and preferences and are pervasive between devices, operating systems and technologies.



myWorkAbility

A service for continuous assessment of the capacity of the office worker, provision of flexible working practices, and provision of AI decision support to enhance their psycho-physical capacity by predicting short- and long-term changes in capabilities and abilities of the office worker and translating such changes into evolving work requirements.




healthyMe


A service for continuous, unobtrusive and ubiquitous monitoring of physiological and behavioural parameters, for efficient self-management of chronic health conditions, positive change of behavioural attitudes and improved quality of life of the older worker.



workCoach

A service for on-Demand training support and new skills acquisition to support the older worker prolong his/ her functional work ability and increase technology acceptance. It will facilitate the identification of individualised training needs analysis, provision of training on-demand, and intergenerational knowledge transfer.

 Af hensyn til beskyttelse af personlige oplysninger har PowerPoint blokeret automatisk hentning af billedet.

 Af hensyn til beskyttelse af personlige oplysninger har PowerPoint blokeret automatisk hentning af billedet.



TOILET4ME

Study on personalised toilets supporting active living in (semi-) public environments

AIM

The Toilet4me proposal addresses these needs of older (or physically challenged) persons when using a toilet outside their homes in semi-public places by envisioning a supportive ICT enhanced toilet adapting to the individual user needs of older end-users. The project also addresses the needs of care persons when providing assistance to primary users in the toilet room.

SCOPE

A height and tilt adjustable care toilet module serves as base for adding several significant enhancements and services, e.g. control via voice, automatic recognition of and adaptation to user preferences when entering the toilet room, recognition of potentially dangerous situations (e.g. a fall) and other functionalities (e.g. interface to care documentation, providing guidance to persons).

TOILET4ME PROJECT CONSORTIUM



TU Wien (Coordinator)
Institute for Visual Computing & Human
Centered Technology, Wien, Austria



BEIA Consult International, Romania



Carecenter Software GmbH,
Linz, Austria



Cáritas Diocesana de Coimbra,
Portugal



Resto VanHarte, The Netherlands



Ihcare, Lda, Portugal



Instituto Pedro Nunes, Portugal



Sanmedi B.V., The Netherlands

WHAT ARE THE NEXT STEPS?

BOTTOM-UP

- Advise citizens, especially frail adults
- Raise awareness on developers, startups and companies
- Campaign nearby formal and informal caregivers

TOP DOWN

What can be the role of the European Commission?

And Member States?

WHERE CAN THIS MOVEMENT START?



THANKS

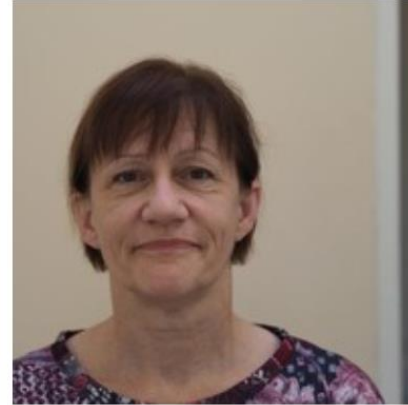
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