

Innovative ICT for Independent Living



Europe is facing a major societal challenge in the rapid ageing of its population. A key challenge is to ensure that older citizens are able to live healthy, fulfilling and independent lives whilst keeping health and care systems sustainable. The European Commission, through its Horizon 2020 and FP7 programmes, the Active and Assisted Living Joint Programme and the European Innovation Partnership for Active and Healthy Ageing, supports researchers and innovators to develop and provide such solutions. Here we showcase eight such EU-funded projects and their exciting innovations that will care for and support Europe's citizens during their 'golden years', as well as lay the foundations for the growth of a real 'Silver Economy' that thrives on the economic opportunities provided by an ageing society.



ALFRED | (Personal Interactive Assistant for Independent Living and Active Ageing), coordinated in Germany

This project has integrated robotic and online components, including a mobile, personalised Butler, into a fully functional system that will provide context-sensitive services related to social inclusion, care, physical exercise and cognitive games.

[HTTP://ALFRED.EU/PROJECT/](http://alfred.eu/project/)

DEM@CARE | (Dementia Ambient Care: Multi-Sensing Monitoring for Intelligent Remote Management and Decision Support), coordinated in Greece

DEM@CARE has produced a new, remote, multi-parametric management system that supplies adaptive feedback on people with cognitive impairment, promising a lifeline to a more independent lifestyle.

[HTTP://WWW.DEMCARE.EU/](http://www.demcare.eu/)



FARSEEING | (FALL Repository for the design of Smart and sELf-adaptive Environments prolonging INdependent living), coordinated in Italy

FARSEEING aimed to provide a thematic network focusing on the issue of promoting healthy, independent living for older adults. The medical device innovations of this project have been further commercialised by Italian spin-off mHealth Technologies.

[HTTP://FARSEEINGRESEARCH.EU/](http://farseeingresearch.eu/)





FATE | (Fall Detector for the Elder), coordinated in Spain

The FATE project has set the groundwork for the commercialisation of a portable fall detector that can be worn on a belt with all user/device interactions carried out through an easy-to-use Android app.

[HTTP://FATE.UPC.EDU/INDEX.PHP](http://fate.upc.edu/index.php)

I-DONT-FALL | (Integrated prevention and Detection sOlutionNs Tailored to the population and Risk Factors associated with FALLs), coordinated in Italy

This project developed an integrated platform that is flexibly configured to suit the needs of and the risk factors associated with fall incidents, being positively tested by 500 older adults across Europe.

[HTTP://WWW.IDONTFALL.EU/](http://www.idontfall.eu/)



ISTOPPFALLS | (ICT-based System to Predict & Prevent Falls), coordinated in Germany

ISTOPPFALLS has developed an 'exergame' and fall-prevention system, including a risk self-assessment programme, which has been proven to help reduce the risk of falls in older people.

[HTTP://WWW.ISTOPPFALLS.EU/CMS/FRONT_CONTENT.PHP](http://www.istoppfalls.eu/cms/front_content.php)



MARIO | (Managing active and healthy aging with use of caring service robots), coordinated in Ireland

The MARIO project has pioneered advances in Human Robot Interaction by developing a companion robot that builds resilience and reduces loneliness and isolation in older people suffering from dementia.

[HTTP://WWW.MARIO-PROJECT.EU/PORTAL/](http://www.mario-project.eu/portal/)




SILVER | (Supporting Independent LiVing for the Elderly through Robotics), coordinated in the UK

SILVER has mobilised joint Pre-Commercial Procurement across a number of EU countries to create a robotic, mobile personal assistant designed to help elderly citizens live independently at home.

[HTTP://WWW.SILVERPCP.EU/](http://www.silverpcp.eu/)

Learn more about EU policies for Ageing Well with ICT:
<https://ec.europa.eu/digital-single-market/en/policies-ageing-well-ict>

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