

# THE ICT4LIFE RESEARCH PROJECT

## ICT4LIFE SUPPORTS INDEPENDENT LIFE FOR PEOPLE SUFFERING OF PARKINSON'S, ALZHEIMER'S AND OTHER DEMENTIAS



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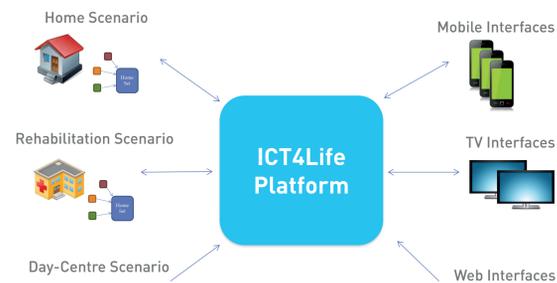


Asociación  
**Parkinson**  
Madrid

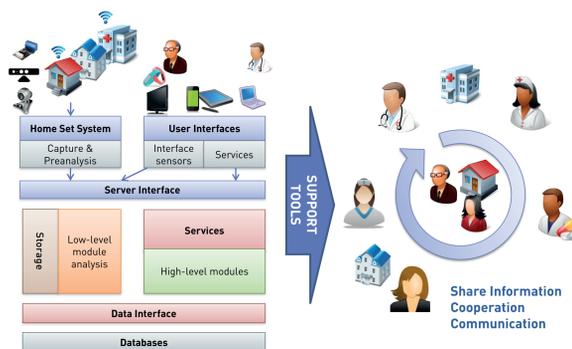
### Background

- With an increasingly growing population in Europe, Parkinson's disease, cognitive impairment and dementias, like Alzheimer's disease, represent major social and health challenges.
- People suffering from these conditions face difficulties in managing their daily lives when it comes to self-care and living independently in their own homes.

### General Concept



### Platform for Integrated Care



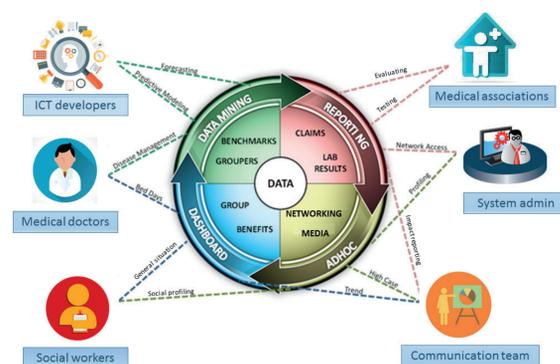
### Description

- Real-time monitoring in order to alarm and early intervention.
- Gather data in order to follow-up and analysis.
- Increase safety and reduce risk.
- Prevent fall risk, chronic disease, dementia, social isolation, depression, poor well-being, and poor medication management.
- Support to remain independent, safe and socially involved.
- Promote independence and empowerment.
- Improve confidence and quality of life.
- Support to live at home for longer.
- Support to maintain abilities.
- Provide reassurance to carers and help them to feel less stressed.

### Platform for Integrated Care

- ICT4Life platform is designed to improve situational awareness about patients at their home environments making use of advanced sensor-based analytics.
- Maximize elderly empowerment and self-care abilities thanks to a reconfigurable recommendation system that will be able to exploit user-generated data.
- Improve decision-making processes in care professionals' daily activities.
- All solutions are developed following a user-centred methodology and tested in real-life scenarios.

### Actors & Development Areas



### Impact

- This initiative brings together nine partners representing academia, industry and users' groups.
- All committed in improving patients' lives and advancing Europe's leadership role in personalized services for integrated care.
- ICT4Life develops a solution for individuals with early stage of the disease that will permit doctors and caregivers to extract useful information about patients.
- While contributing in a user-friendly way to extending their independence. ICT4Life proposes an innovative platform for integrated care by the use of sensor-based analytics for human behaviour.
- This three-year project has the ambition to provide new services for integrated care with breakthrough research and radical innovation by employing user-friendly ICT tools, ultimately increasing patients' quality-of-life and autonomy at home.



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