



# GrowMeUp

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This project has received funding from the European Union's Horizon 2020 research and innovation programme - Societal Challenge 1 (DG CONNECT/H) under grant agreement No 643647



# Introduction

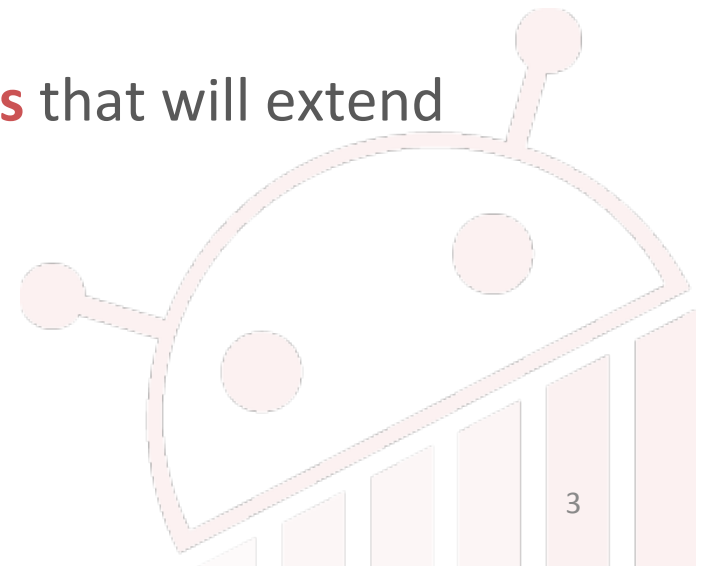
Participant No *	Participant organisation name	Short Name	Country
1 (Coordinator)	University of Coimbra	UC	Portugal
2	University of Geneva	UniGe	Switzerland
3	Orbis Medisch en Zorgconcern	ORBIS	Netherlands
4	University of Cyprus	UCY	Cyprus
5	Pal Robotics	PAL	Spain
6	ProBayes	ProBayes	France
7	Citard Services Ltd	Citard	Cyprus
8	CARITAS	CARITAS	Portugal

Total Funding: € 3,415,930.00

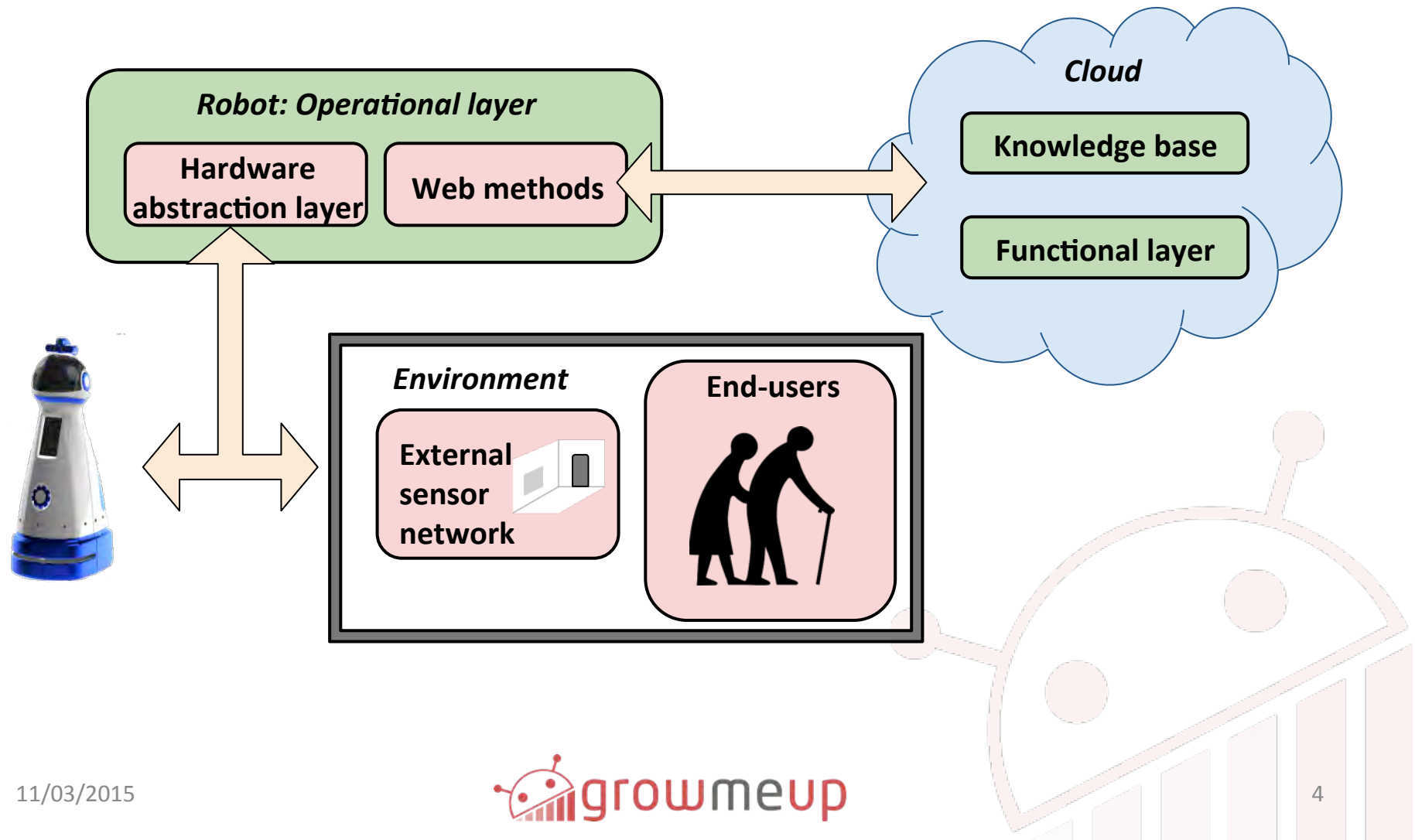


# Key Innovations

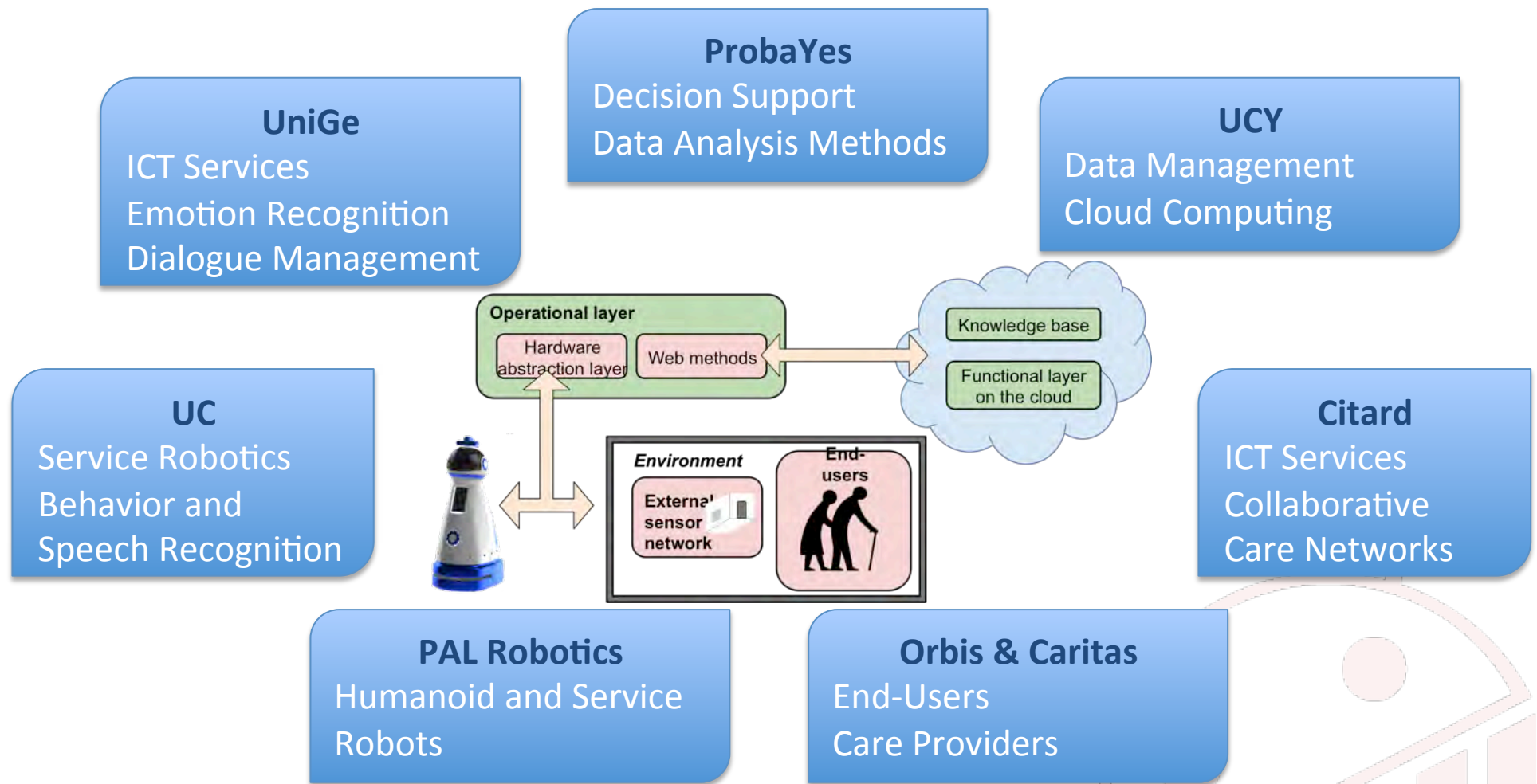
- **Enhanced** Human-Robot Interaction **Dialogue**.
- **Learning capability**, highlighting the ability to learn User :
  - Habits;
  - Preferences;
  - Routines.
- Information exchange with other Service Robots through a **Cloud**.
- **Automatic detection of external devices** that will extend service capabilities.



# Support: Framework Overview



# Support: Partner Expertise

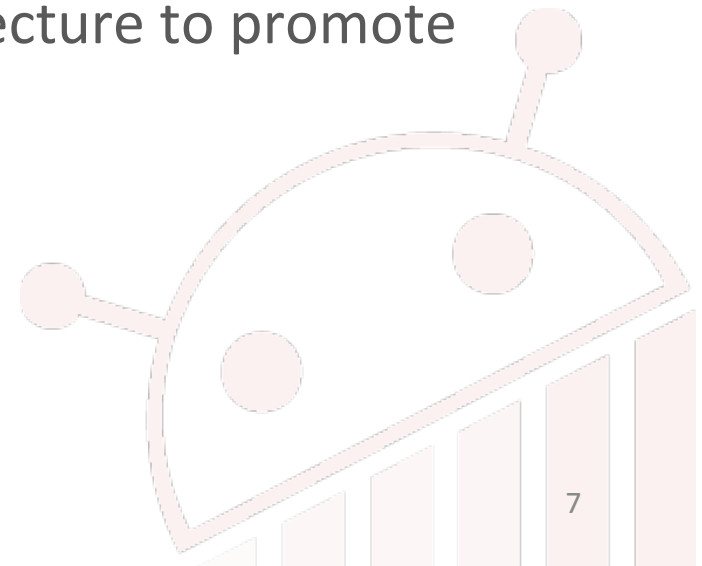


# Main GrowMeUp Goals

- An **affordable service robot** to support and stimulate older persons in daily activities at home.
- **Autonomously enhance** and **adapt** its services and competencies, compensating for the older persons capabilities degradation over the ageing process.
- Integration of state of the art on different technologies such as **Robotics, Machine Learning, Cloud Computing** and **Virtual Social Care Communities** to provide innovative elderly care solutions and create new market opportunities.
- The outcomes are expected to **reach the market in a period of 4 years** after the project conclusion, where industry and end-user partners will catalyze the exploitation.

# GrowMeUp will provide...

- A Social Community Care Network, integrating family, friends and carers.
- An active interaction to promote socialization and stimulating daily activities.
- Language specific word recognition and natural HRI interface to improve acceptability.
- A Scalable and adaptable system architecture to promote exploitability.



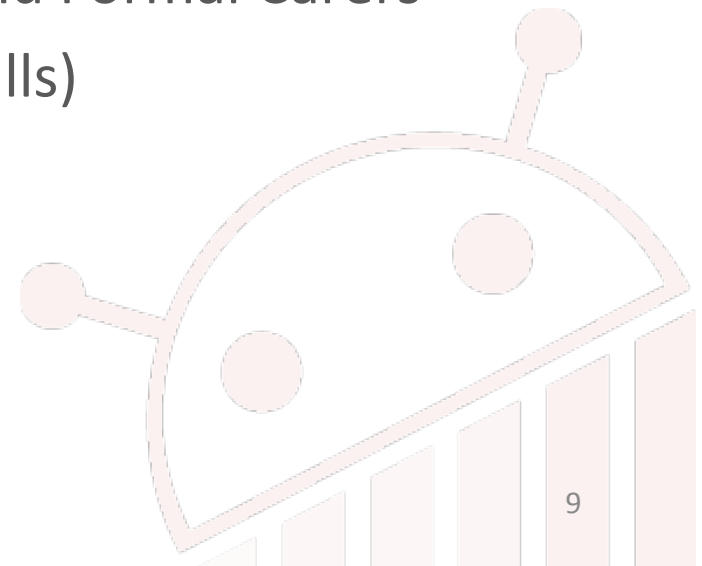
# European Innovation Partnership on Active and Healthy Ageing (I)

- **Monitoring the EIP on AHA Process**
  - a. Involvement of stakeholders
  - b. Creation of synergies
  - c. Knowledge transfer & absorption of innovation by health systems
  - d. Added-value for the participating organisations
  - e. Funding
- **Monitoring the EIP on AHA Outcome**
  - a. Outcome(s) of interventions and activities of Action Groups
  - b. Estimating the impact of the interventions on the overall target of the EIP on AHA, namely
    - I. two additional Healthy Life Years (HLY) by 2020 and
    - II. Triple Win (QoL, Sustainability of Health Systems, Innovation & Growth).



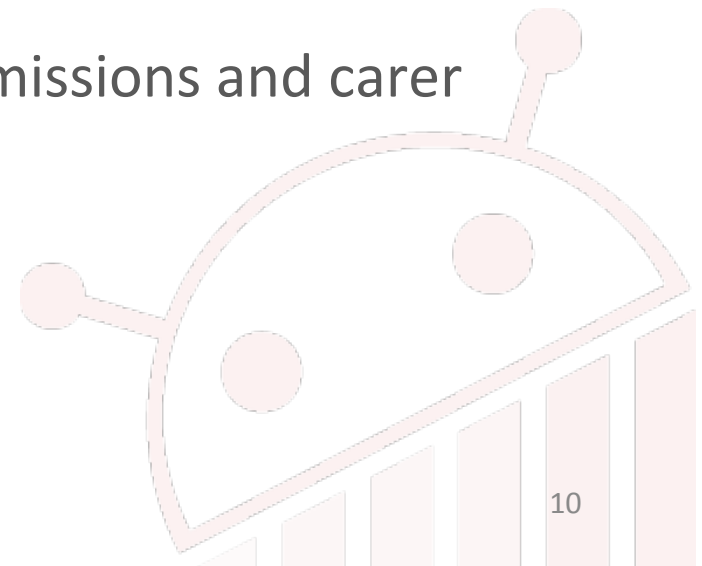
# GrowMeUp Indicators (I)

- Alignment with EIP AHA Pillar I: **Improving the health status and quality of life of European citizens, with particular focus on older people.**
  - Increase Amount of Physical Activity
  - Increase Number of Daily Activities Participation
  - Increase Interaction with Informal and Formal Carers
  - Reduce Number of Accidents (e.g. Falls)



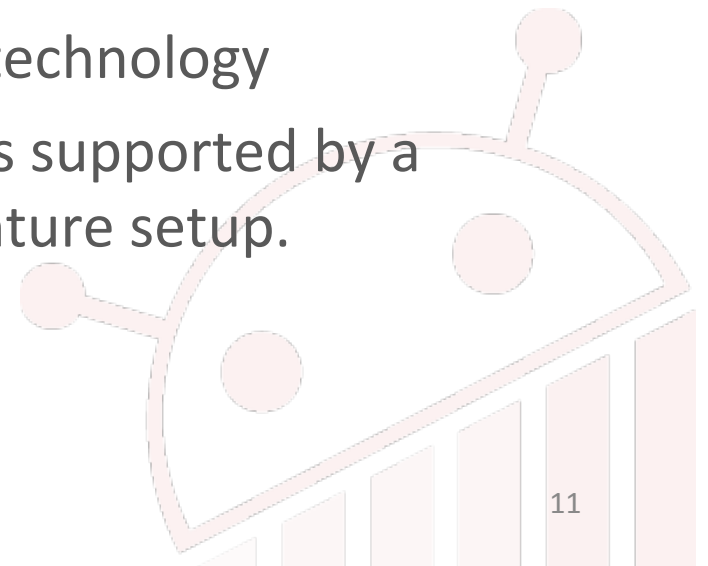
# GrowMeUp Indicators (II)

- Alignment with EIP AHA Pillar II: **Supporting the long-term sustainability and efficiency of health and social care systems.**
  - Reduction of Care Consumption
  - Reduce stress of care givers
  - Motivate elderly to use the system
  - Reduce number of admissions, readmissions and carer visits



# GrowMeUp Indicators (III)

- Alignment with EIP AHA Pillar III: **Enhancing the competitiveness of EU industry through business and expansion of new markets (Innovation and Growth)**
  - Develop a number of new technologies (e.g. cloud, corobo-net, ...)
  - Increase number of users using this technology
  - Potential creation of project spin-offs supported by a academy-industry-end-user joint venture setup.





<http://growmeup.deec.uc.pt>

**Thanks for your attention!**

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University of Coimbra



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