GrowMeUp’s main aim is to increase the years of independent and active living, and the quality of life of older persons (age of 65+) with light physical or mental health problems who live alone at home and can find pleasure and relief in getting support or stimulation to carry out their daily activities over the ageing process. GrowMeUp will provide an affordable service robotic system able to learn the older persons needs and habits over time and enhance (‘grow up’/scale up) its functionality to compensate for the elder’s degradation of abilities, to support, encourage and engage the older persons to stay longer active, independent and socially involved, in carrying out their daily life at home. State of the art cloud computing technologies and machine learning mechanisms will be used, enabling the GrowMeUp robot to extend and increase its knowledge continuously over time. Robots will share and distribute their knowledge through the cloud, so that other “connected” robots can learn from each other’s experience, increasing thus their functionality/competencies and simultaneously reduce learning effort. Implicit daily activities support will be provided in a human like way characterized by behaviour and emotional understanding, intelligent dialoguing and personalized services provision. GrowMeUp will be introduced early enough to the elder person, creating thus a positive long-term relationship between the elder and the robot, considering persons as active collaborators with whom the robot can interact, so as to increase its knowledge about their personalized needs. Furthermore, the robot will be connected to a virtual care network that will provide for continuous care, but also motivation and education to the older persons of how to best use the platform. A group of relevant stakeholders will use the system over a nine month pilot period. The goal is to achieve global leadership in advanced solutions supporting active and healthy ageing.
Field of Science

- natural sciences/computer and information sciences/artificial intelligence/machine learning
- social sciences/psychology/cognitive psychology/mental processes/learning
- social sciences/sociology/governance/public services

Programme(s)

H2020-EU.3.1.4. - Active ageing and self-management of health

Topic(s)

PHC-19-2014 - Advancing active and healthy ageing with ICT: service robotics within assisted living environments

Call for proposal

H2020-PHC-2014-single-stage

See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator

UNIVERSIDADE DE COIMBRA

Address
Paco Das Escolas
3001 451 Coimbra
Portugal

Activity type
Higher or Secondary Education Establishments

EU Contribution
€ 412 250

Website

Contact the organisation

Participants (7)
<table>
<thead>
<tr>
<th>Organization</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity type</th>
<th>Website</th>
<th>Contact the organisation</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIVERSITE DE GENEVE</td>
<td>Switzerland</td>
<td>0</td>
<td>Rue Du General Dufour 24, 1211 Geneve</td>
<td>Higher or Secondary Education Establishments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STICHTING ZUYDERLAND ZORG</td>
<td>Netherlands</td>
<td>€ 466 055</td>
<td>Dr. H. Van Der Hoffplein 1, 6162 Bg Geleen</td>
<td>Research Organisations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIVERSITY OF CYPRUS</td>
<td>Cyprus</td>
<td>€ 524 000</td>
<td>Kallipoleos Street 75, 1678 Nicosia</td>
<td>Higher or Secondary Education Establishments</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAL ROBOTICS SL</td>
<td>Spain</td>
<td>€ 345 000</td>
<td>Calle Pujades 77 79 4o 4a, 08005 Barcelona</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organisation</td>
<td>Country</td>
<td>EU Contribution</td>
<td>Address</td>
<td>Activity type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------</td>
<td>-----------------</td>
<td>----------------------------------------------</td>
<td>--------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROBAYES SAS</td>
<td>France</td>
<td>€ 344 500</td>
<td>180 Avenue De L'Europe 38330 Montbonnot Saint-Martin</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CITARD SERVICES LTD</td>
<td>Cyprus</td>
<td>€ 449 250</td>
<td>Odos Evrytanias 1 F 1a 2064 Strovolos</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARITAS DIOCESANA DE COIMBRA</td>
<td>Portugal</td>
<td>€ 249 375</td>
<td>Rua D Francisco D Almeida 14 3030 382 Coimbra</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Share this page

Permalink: https://cordis.europa.eu/project/id/643647/en

© European Union, 2019