



# **EU-Japan Opportunities for business**

***Smart Society and beyond for the Super Aging Era***

***8 October, Brussels***



**Ramon Sanmartin Sola**

**Policy and Project Officer– Health, Wellbeing and Ageing  
DG CNECT (Communications Networks, Content and Technology)  
EUROPEAN COMMISSION**



## G7 ICT Ministers' Meeting in Takamatsu, Kagawa - 29-30 April 2016

- Meeting of the G7 ICT Ministers
- Concluded the 'Charter for the Digitally Connected World' and signed a Joint Declaration with an Action Plan to take actions based on it
- Ageing was one of the areas covered:

### ***"iv. Using ICT to address global challenges and opportunities***

*We believe that the greater use of ICTs worldwide can contribute to addressing global economic and social challenges and to securing opportunities in such areas as poverty and hunger, health care, child online protection, **the ageing society**, education, gender equality and the empowerment of women and girls, accessibility, energy and climate change, resilience and disaster risk reduction, and sustainable transportation and logistics. We will share good practices and strengthen collaboration with each other and with others around the world."*



## H2020 Topic: **EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities**

- Joint Call launched by the European Commission and the Japanese Ministry of Internal Affairs and Communications (MIC) and the Japanese National Institute of Communications and Technology (NICT)
- Research and Innovation Action
- EU Contribution 1-2 M€ per project
- Joint project bringing together EU and Japanese partners into one Consortium
- Coordination agreement between EU proposers and Japanese proposers to be included in the proposal



## H2020 Topic: **EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities**

### Scope:

- Combine multi-disciplinary research involving behavioural, sociological, health and other relevant disciplines
- Modularity, cost-effectiveness, reliability, flexibility in being able to meet a range of needs and societal expectations, applicability to realistic settings, safety and acceptability to end-users
- Support older people in ordinary daily life at home and in care facilities, proposed solutions should be driven by the needs, interests and lifestyles of older people through personalised and self-adaptable human-robot interaction
- further develop and build upon open platforms<sup>[1]</sup> and Internet of Things approaches
- Demonstrate how solutions can be designed to allow for adaptation towards different histories and cultures across the EU and Japan and a variety of individual perception and preferences and cognitive capabilities



## Agile Co-Creation of Robots for Ageing (ACCRA)

- Funded by the EU and Japanese National Institute of Communications and Technology (NICT)
- Objective: Enable the development of advanced ICT Robotics based solutions for extending active and healthy ageing in daily life by defining, developing and demonstrating an agile co-creation development process
- Four-step methodology (need study, co-creation, experimentation, sustainability analysis)
- Three applications (support for walking, housework, conversation rehabilitation)
- Assessed in France, Italy, Netherlands and Japan



## Culture Aware Robots and Environmental Sensor Systems for Elderly Support (CARESSES)

- Funded by the EU and Ministry of Internal Affairs and Communications (MIC)
- Objective: *Build culturally competent care robots, able to autonomously re-configure their way of acting and speaking, when offering a service, to match the culture, customs and etiquette of the person they are assisting*
- Study how to represent cultural models
- Replicas of a commercial robot on the market and integrate cultural models into them
- Testing: EU (two cultural groups) and Japan (one cultural group), on a number of elderly volunteers and their informal caregivers.



## Useful information

- **Joint Declaration by G7 ICT Ministers**

<http://www.g8.utoronto.ca/ict/2016-ict-declaration.html>

- **Charter for the Digitally Connected World**

<http://www.g8.utoronto.ca/ict/2016-ict-charter.html>

- **Global Innovation Forum on Active and Healthy Ageing (December 2016)**

[https://ec.europa.eu/info/sites/info/files/conferences/aha-summit-2016/final\\_report.pdf](https://ec.europa.eu/info/sites/info/files/conferences/aha-summit-2016/final_report.pdf)

- **CARESSES H2020 PROJECT**

<http://caressesrobot.org/en/>

- **ACCRA H2020 PROJECT**

[https://cordis.europa.eu/project/rcn/207079\\_en.html](https://cordis.europa.eu/project/rcn/207079_en.html)

**Thank you!**

[ramon.sanmartin-sola@ec.europa.eu](mailto:ramon.sanmartin-sola@ec.europa.eu)