



Agile CoCreation of Robots for Ageing

Dissemination Material

Project: ACCRA
Project Number: 738251
Deliverable: D8.2
Title: Dissemination Material
Version: v1.0
Date: 30/05/2017
Confidentiality: Public / Consortium
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Funded by



国立研究開発法人
情報通信研究機構
National Institute of Information and
Communications Technology

Table of Contents

| | |
|---|------------------------------------|
| DOCUMENT HISTORY | ERREUR ! SIGNET NON DEFINI. |
| LIST OF FIGURES..... | 3 |
| ABBREVIATIONS AND DEFINITIONS..... | 3 |
| EXECUTIVE SUMMARY | 4 |
| 1 INTRODUCTION | 4 |
| 2 PRESENTATIONS | 5 |
| 2.1 EU-JAPAN GLOBAL INNOVATION FORUM, 5TH DECEMBER 2016 BRUSSELS | 5 |
| 2.2 4TH ADVANCED ACTIVE AGING RESEARCH SYMPOSIUM, 24 FEB 2017, WASEDA UNIVERSITY, TOKYO (JAPAN) | 12 |
| 2.3 TOKYO, FESTIVAL | 16 |
| 2.4 OTHERS ACCRA EVENTS | 25 |
| 2.4.1 By SSSA..... | 25 |
| 2.4.2 By Cdot..... | 27 |
| 2.4.3 By Kyoto University..... | 27 |
| 2.4.4 By Erasmus University..... | 27 |
| 3 WEBSITE | 29 |
| 4 FLYER..... | 31 |

List of Figures

| | | |
|----------|--|----|
| Figure 1 | Agenda Waseda 4th AAA Symposium. | 13 |
| Figure 2 | Agenda Waseda 4th AAA Symposium, second day. | 14 |
| Figure 3 | Home page website English version. | 29 |
| Figure 4 | Home page French version web site. | 30 |
| Figure 5 | Home page Japanese version web site. | 30 |
| Figure 6 | Outside view of flyer English version. | 31 |
| Figure 7 | Inside view of flyer English version. | 32 |

Abbreviations and Definitions

| Abbreviation | Definition |
|--------------|--|
| ICT | Information and Communication Technologies |
| ACCRA | Agile CoCreation of Robots for Ageing |
| AAA | Advanced Active Aging |
| | |
| | |

Executive Summary

This document describes the different publications about Accra in different events and the dissemination material made until this stage of the project such as website, flyers and presentations.

1 Introduction

Dissemination of project achievements, general information is a main requirement for Accra project. At this very early stage of the project the dissemination material is being created and the project has been presented in some different events and conferences which will be shown in the next sections of this deliverable.

At this point, a website has been developed in three versions (English, French and Japanese) with a general overview of the project and as the project develops, information will be added, as also Dutch and Italian version, so participants and others interested in the project in the different countries where the project will be developed, can read the progress and information more detailed about Accra.

A general flyer version in English has been developed, so we can distribute it in different events and conferences. This version and probably, updated versions of it will be translated in other pilot languages of the project (Italian, Dutch, French and Japanese).

2 Presentations

2.1 EU-Japan Global Innovation Forum, 5th December 2016 Brussels

ACCRA Agile CoCreation of Robots for Ageing

EU-Japan cooperation

ICT Robotics based solutions for active and healthy ageing at home or
in care facilities

Antonio Kung

Trialog



December 5th 2016

Yasuo Okabe

Kyoto University



総務省

Ministry of Internal Affairs and Communications



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情報通信研究機構
National Institute of Information and
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Scuola Universitaria Superiore Pisa



Connect Dot 株式会社 コネクトドット

December 5th 2016

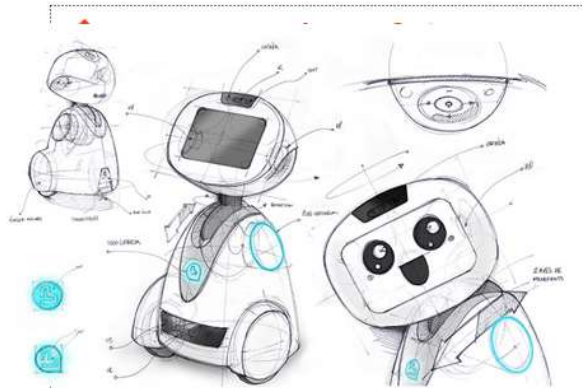
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Mission

- ◆ Advanced ICT Robotics based solutions for ageing
- ◆ Agile co-creation development process
- ◆ Interoperability and flexibility of platform



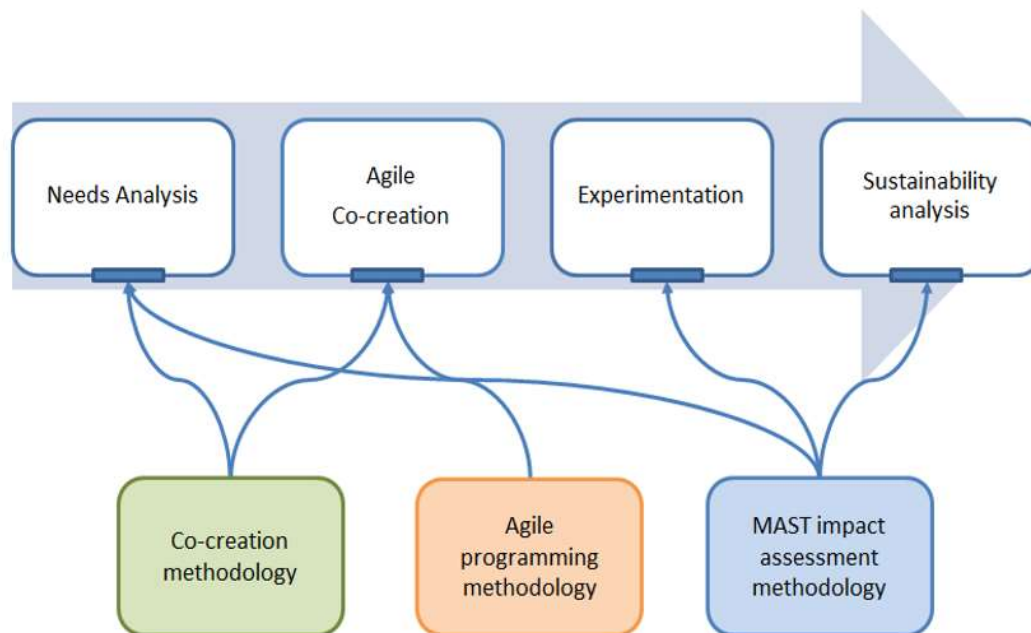
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O1: Agile Co-creation Methodology



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O2: Assessment Framework

- ◆ **MAST impact assessment framework**
 - User perceptions
 - User outcomes
 - Socio-cultural, ethical and legal aspects
 - Economic aspects
 - Technical aspects
 - Organisational aspects.
- ◆ **Pilot assessment**
 - Mobility (support for walking)
 - Daily life (housework)
 - Socialisation (conversation rehabilitation)
- ◆ **Cross pilot assessment**
 - Transferability
 - Ethical and cultural analysis
 - Platform flexibility analysis

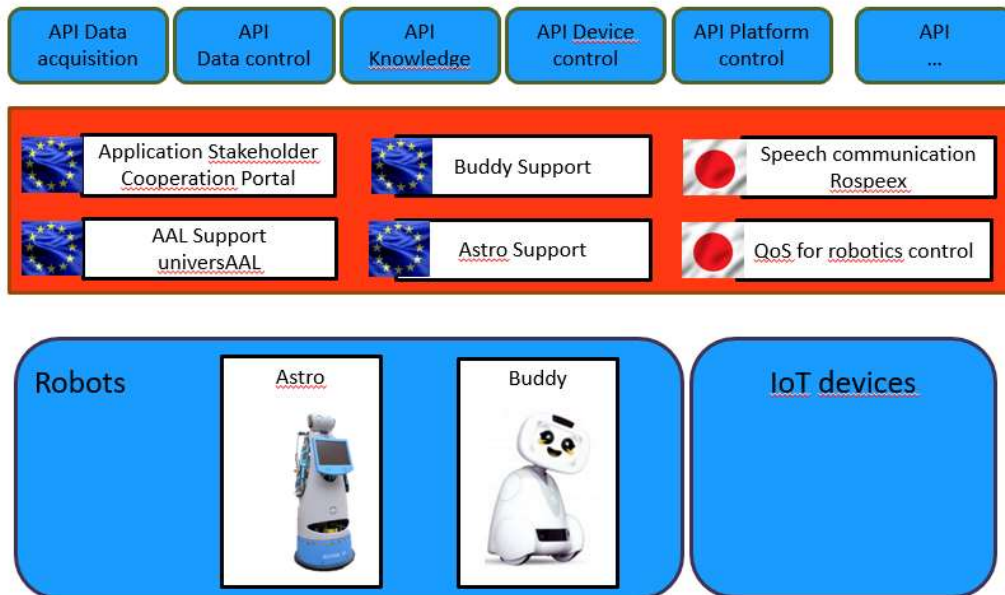
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O3: Platform



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O4: Mobility Application

- ◆ Maintaining walking capacity. Robot is acting participant of the movement of the person
- ◆ Examples:
 - Helping to maintain independent mobility
 - Post traumatic Support (rehabilitation)
 - Detection of the lack of movement (detection and removal of any doubt)

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O5: Daily Life Application

- ◆ Promote ageing well in activities in daily life
- ◆ Examples
 - Monitoring quality of nutrition
 - Reminder actions (taking medication, rendez-vous, etc...)
 - Easy behavioural oral questionnaire (sleep quality, good appetite, mood ...)
 - Engagement in socialising activity (virtual community)
 - Quality link with caregivers
 - Interaction with relatives

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O6: Socialisation Application

- ◆ Conversation rehabilitation. Creation of interaction schemes with elderly persons without treating them as senile and childish.
- ◆ Exploring and assessing interactions schemes where user's internal curiosity displayed in normal life is exercised during interactions

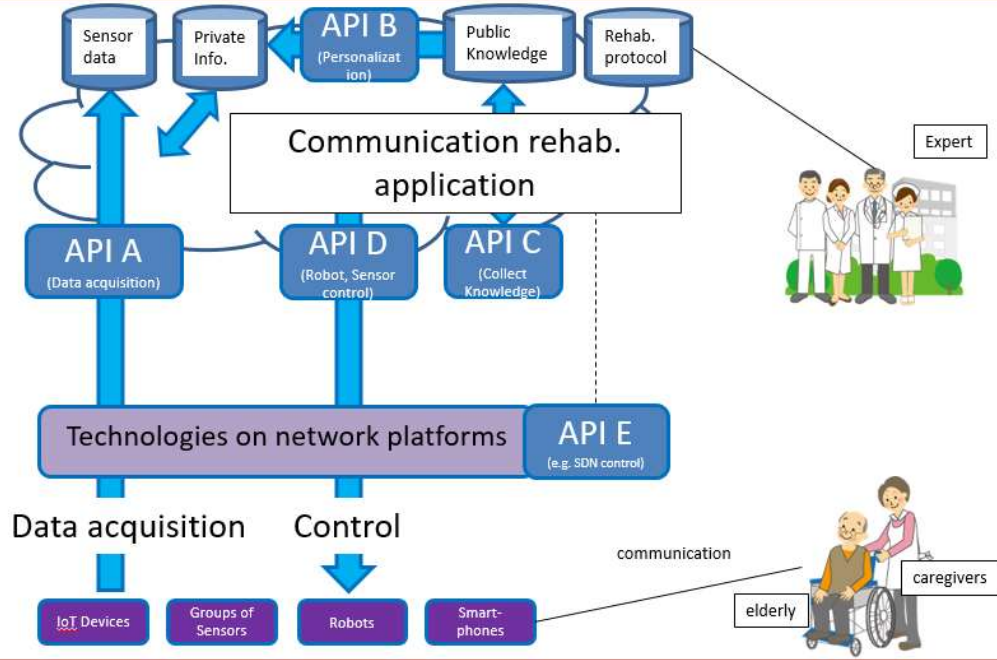
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Use case and API



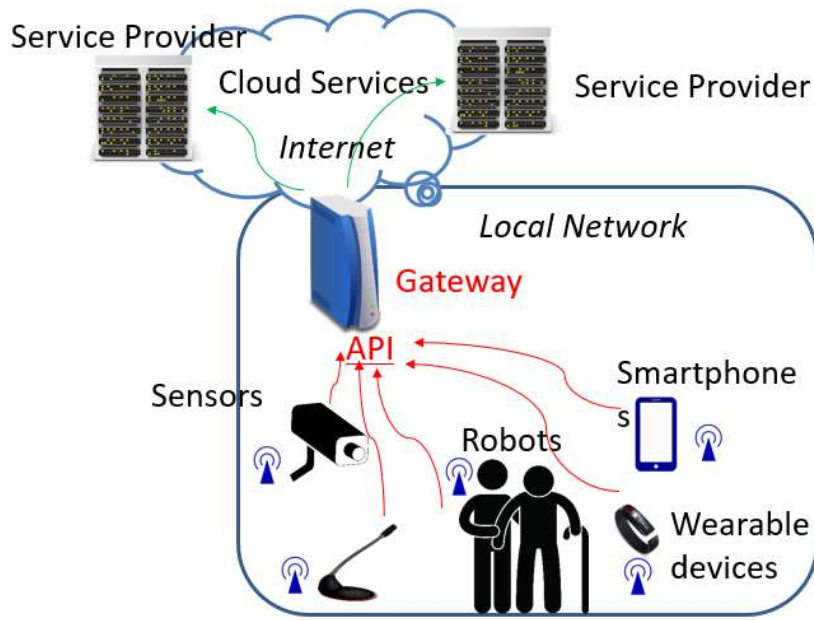
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Network Structure



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Experimentation

| Countries Involved | | France | Italy | Netherlands | Japan |
|--------------------|--------------|--------|-------|-------------|-------|
| | | | | | |
| | Walking | | X | X | |
| | Housework | X | | X | |
| | Conversation | | X | | X |

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Timetable

| Timeline | Year 1 | | | | | | | | | Year 2 | | | | | | | | | Year 3 | | | | | | | | | | | | | | | | | |
|--|----------------|---|---|-------------------|---|---|---|---|---|-----------------|----|----|----|----|----|----------------|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Methodology phases | Needs analysis | | | Agile co-creation | | | | | | Experimentation | | | | | | Sustainability | | | | | | | | | | | | | | | | | | | | |
| Definition of ACCRA Methodology | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Managing methodology application | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methodology handbook and videos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applicationq | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Specification | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operational and development requirements | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 1: needs analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 2: agile co-creation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Further support and development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Packaging for reuse beyond project | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Platform and robotics environment | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Platform for step 2: agile co-creation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Platform for step 3: experimentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 2: agile co-creation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Further support and development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Packaging for reuse beyond project | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Experimentation | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Preparation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Experimentation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sustainability analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluation of ACCRA | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| Step 1 results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 2 results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 3 results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Step 4 results | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCRA methodology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Agile CoCreation of Robots for Ageing

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Thanks

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2.2 4th Advanced Active Aging Research Symposium, 24 Feb 2017, Waseda University, Tokyo (Japan)

The fourth Institute of Advanced Active Aging Research Symposium took place in Waseda University, Tokyo (Japan) where Accra was presented in the English conference by Francesco Greco from SSSA.



The 4th Institute of Advanced Active Aging Research Symposium

~Paradigm shifts in a super-aged society ~

Date **February 24, 2017 13:00~17:30**
25, 2017 9:30~17:15

Venue Waseda University Nishiwaseda Campus Building No. 55(N)
Large conference room

Sponsored by Institute of Advanced Active Aging Research,
Waseda University

Cosponsored by

Top Global University Project
Health Promotion: The Joy of Sports and Exercise
Frontier of Embodiment Informatics: ICT and Robotics
Energy and Nanomaterials

Fee Free



[February 24 (FRI)] ※Language:Japanese

13:00 Opening Ceremony Mitsuru Higuchi (Waseda Univ.)

13:10 Key note Speech

“ Health promotion through sports think of Japan Sports Agency. ”

Daichi Suzuki (Japan Sports Agency)

“ Regional environment supports a health if a super-aging society. ”

Shigeru Inoue (Tokyo Medical University)

“ Role of functional foods in a super-aged society. ”

Keiko Abe (Tokyo University)

15:10 Coffee Break

15:25 Introduction of Institute of Advanced Active Aging Research researches

Mitsuru Higuchi (Waseda Univ.)

15:40 Symposium Company

“ Efforts from the sports engineering towards active aging society.”

Tsuyoshi Nishiwaki (Asics Corporation)

“ The role of the NC companies towards health longevity society promotion.”

Seiji Shimizu (Otsuka Pharmaceutical Co.,Ltd)

“ Food · Nutrition and active aging.”

Yoshiyuki Takato (Shidax Corporation)

Discussion

17:30 Closing Ceremony (Waseda Univ.)

17:40 Reception Party

Figure 1 Agenda Waseda 4th AAA Symposium.

[February 25 (SAT)] ※Language : English

9:30 Opening Ceremony Mitsuru Higuchi (Waseda Univ.)

9:35 AAA(Institute of Advanced Active Aging Research) Study

“ Effect of a comprehensive intervention program, including exercise and diet, on plasma levels of lipids molecular species in the elderly.”

Noriaki Kawanishi (Waseda Univ.)

“Nanosheet-Based Soft Device for Advancing Active Aging Research.”

Toshinori Fujie (Waseda Univ.)

10:10 Key note Speech① Aging·Exercise·Health·Fitness

“ Physical activity and health: lessons learnt from the College Alumni Health Study and the Women's Health Study. ”

I-Min Lee (Harvard University, USA)

11:10 Coffee Break

11:25 Key note Speech② High Technology

“Robot Gerontechnology for Advanced Active Aging (Tentative).”

Paolo Dario (SSSA, Italy)

12:25 Lunch Time

13:30 Symposium① Aging·Exercise·Health·Fitness

“Association between circulating 25-hydroxyvitamin D concentration and cardiorespiratory fitness.”

Zhen-Bo Cao (Shanghai University of Sport, China)

“Community-wide physical activity promotion for the prevention of cognitive decline in the elderly. Fujisawa + 10 project.”

Yuko Oguma (Keio University)

“Genetic Factors of Daily Physical Activity, Exercise behavior, and Physical fitness.”

Haruka Murakami (National Institutes of Biomedical Innovation, Health and Nutrition)

“WASEDA's Health Study: a prospective cohort study focusing on physical activity and sedentary behavior.”

Kumpei Tanisawa (National Institutes of Biomedical Innovation, Health and Nutrition)

15:20 Coffee Break

15:35 Symposium② High Technology

“Conducting polymers based ultraconformable electronics: unperceivable skin-contact interfaces for sport and personal health monitoring.”

Francesco Greco (SSSA, Italy)

“Molecular Basis for Optimal Exercise as a Beneficial Mechanical Stress on Living Organisms.”

Yasuhiro Sawada (Research Institute, National Rehabilitation Center for Persons with Disabilities)

“Exoskeleton Robot for Wheel Chair Users. ”

Tommy Wu (ITRI, Taiwan)

“Human Assistive Robot Technology to Elevate Perception and Motor Functions.”

Hiroyasu Iwata (Waseda Univ.)


17:15 Closed Ceremony (Waseda Univ.)

Contact

Institute of Advanced Active Aging Research Office, Waseda University
E-mail: aaa-entry@list.waseda.jp web: <http://active-aging.jp/>
Tel: +81(0)4 2947-6945

Figure 2 Agenda Waseda 4th AAA Symposium, second day.

Presentation of Accra shown in the event of Waseda University, Tokyo (Japan)



Agile Co-Creation of Robots for Ageing

MISSION:


- ◆ Advanced ICT Robotics based solutions for ageing
- ◆ Agile co-creation development process
- ◆ Interoperability and flexibility of platform

EU Partners:

1. TRIALOG (France)
2. Scuola Superiore Sant'Anna (Italy)
3. Erasmus University Rotterdam (The Netherlands)
4. Paris Dauphine (France)
5. Bluefrog robotics (France)
6. Fondazione Casa Sollievo della Sofferenza (Italy)


JP Partners:

1. Kyoto University
2. Kobe University
3. Connect Dot Ltd 株式会社 コネクトドット



- Horizon 2020 SC1-PM-14-2016 (2M€)
- EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities)
- Horizon 2020 and NICT.

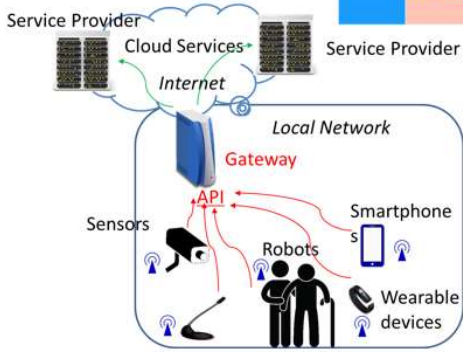
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Three pilot sites for three services

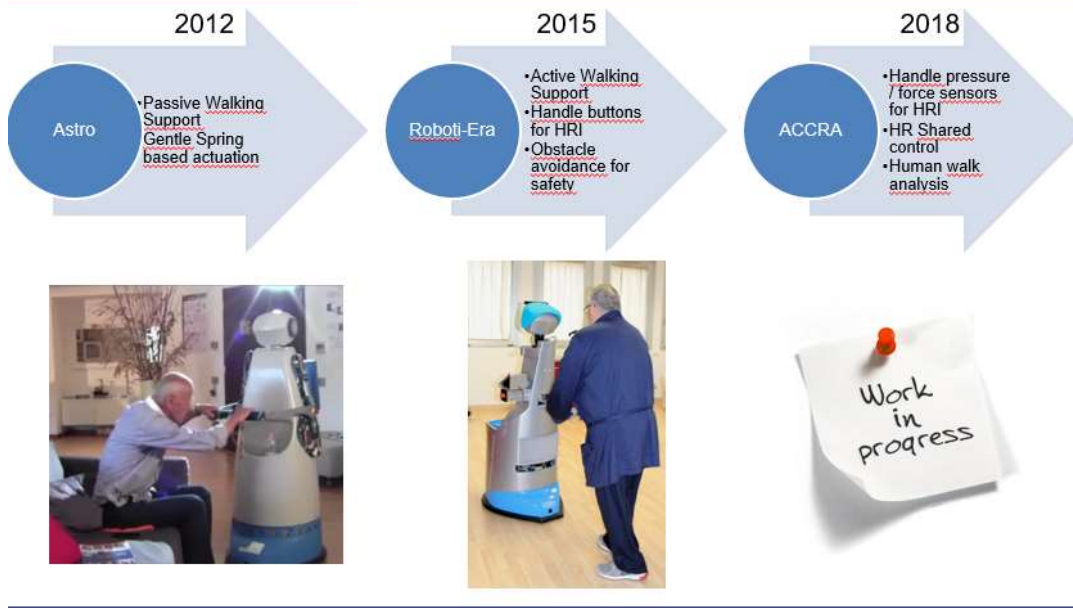
1. Maintaining walking capacity;
2. Conversation rehabilitation;
3. Ageing well in daily lifeactivities.

| Countries involved | France | Italy | Netherlands | Japan |
|--------------------|--------|-------|-------------|-------|
| Walking | | X | X | |
| Housework | X | | X | |
| Conversation | | X | | X |



→2

ACCRA Robot Companion Evolution in Walking Support



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2.3 Tokyo, Festival

ACCRA Agile CoCreation of Robots for Ageing

Agile Co-Creation of Robots for Ageing based on FIWARE

19 May 2017
Antonio Kung
Trialog





Mission

- ◆ Advanced ICT Robotics based solutions for ageing
- ◆ Agile co-creation development process
- ◆ Interoperability and flexibility of platform
- ◆ 3-Year Project started on December 2016



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▶2

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Partners



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Trialog (www.trialog.com)

- ◆ French company located in Paris
- ◆ Focuses on innovation for the IoT
- ◆ Three sectors
 - Smart grids
 - E-Mobility
 - Health and social
 - Smart homes
- ◆ One transversal domain
 - Cybersecurity & Privacy



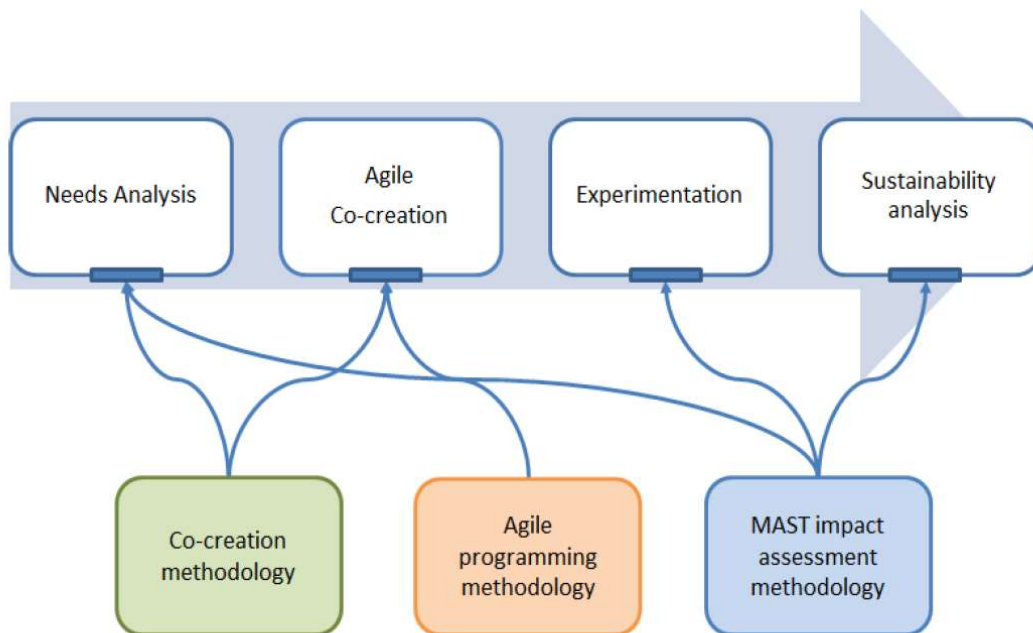
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Objective 1: Agile Co-creation Methodology



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Objective 2 Assessment Framework

- ◆ We will use the MAST impact assessment framework
 - See : [https://en.wikipedia.org/wiki/Model_for_assessment_of_telemedicine_\(MAST\)](https://en.wikipedia.org/wiki/Model_for_assessment_of_telemedicine_(MAST))
 - Aspects covered
 - User perceptions
 - User outcomes
 - Socio-cultural, ethical and legal aspects
 - Economic aspects
 - Technical aspects
 - Organisational aspects.
- ◆ Pilot assessment
 - Mobility (support for walking)
 - Daily life (housework)
 - Socialisation (conversation rehabilitation)
- ◆ Cross pilot assessment
 - Transferability
 - Ethical and cultural analysis
 - Platform flexibility analysis

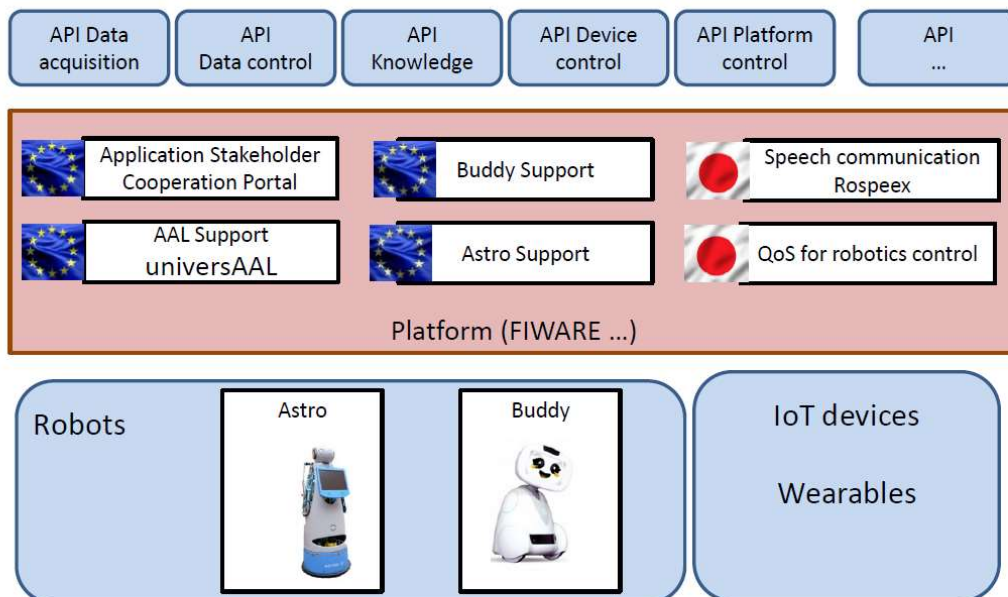
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Objective 3: Platform



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Objective 4, 5, 6: Applications

◆ Mobility application

- Maintaining walking capacity. Robot is acting participant of the movement of the person
- Examples:
 - Helping to maintain independent mobility
 - Post traumatic Support (rehabilitation)
 - Detection of the lack of movement (detection and removal of any doubt)

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Objective 4, 5, 6: Applications

◆ Socialisation Application

- Conversation rehabilitation. Creation of interaction schemes with elderly persons without treating them as senile and childish.
- Exploring and assessing interactions schemes where user's internal curiosity displayed in normal life is exercised during interactions







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Experimentation

| Countries Involved | | France | Italy | Netherlands | Japan |
|---|--------------|---|---|---|---|
| | |  |  |  |  |
|  | Walking | | X | X | |
| | Housework | X | | X | |
|  | Conversation | | X | | X |

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Agile CoCreation of Robots for Ageing

Platform Architecture



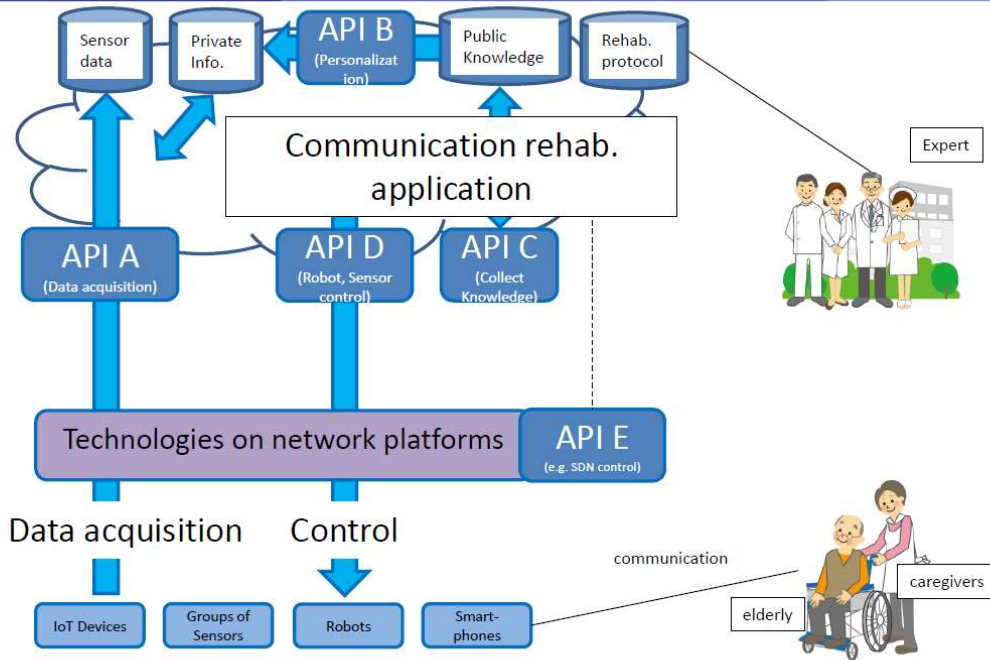
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API Viewpoint



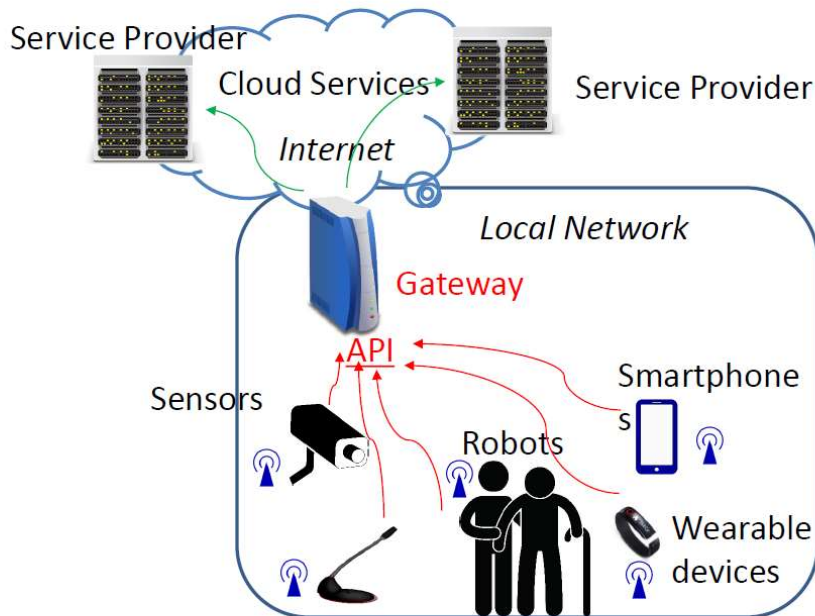
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Network Structure Viewpoint



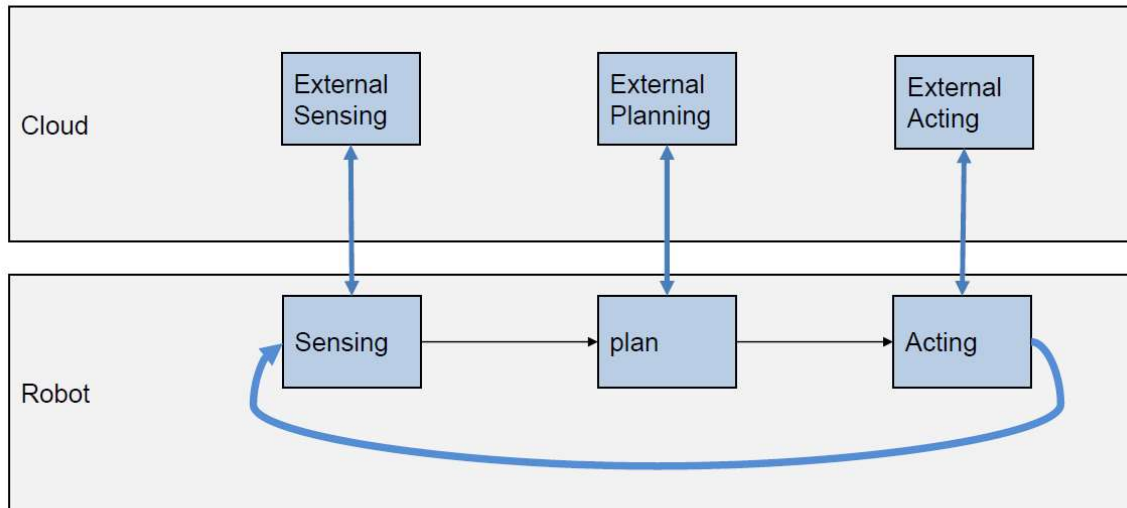
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Robot Architecture Viewpoint



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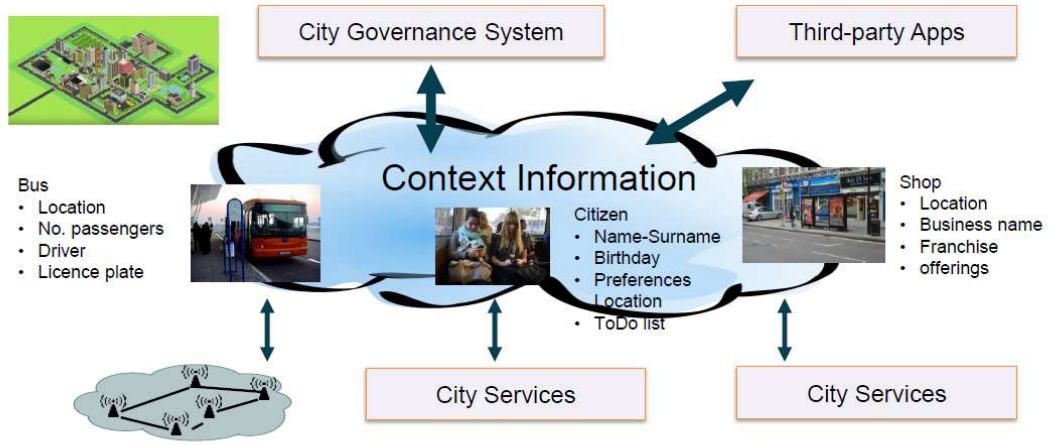
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FIWARE

- ◆ Open platform for multidomains (<https://www.fiware.org/foundation/>)
- ◆ Cloud based / Generic and Specific enablers
- ◆ Focus on context information



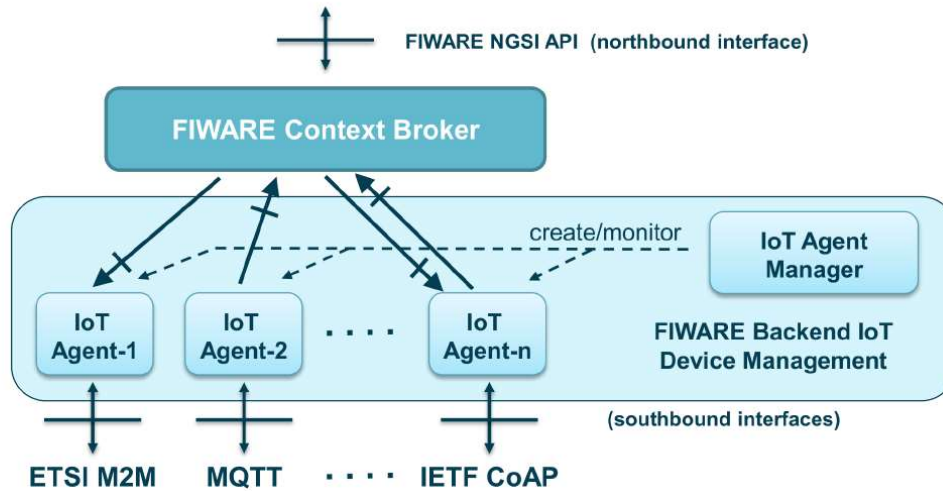
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ACCRA **FIWARE** **FIWARE API viewpoint**

FIWARE

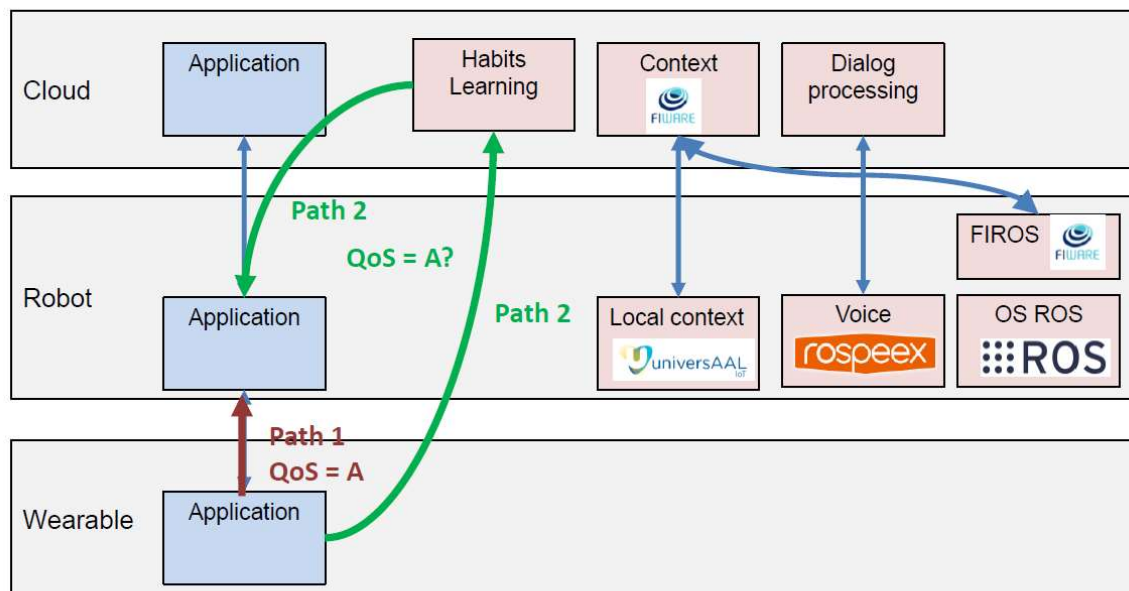


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ACCRA **FIWARE** **ACCRA and FIWARE**



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▶ 18

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Agile CoCreation of Robots for Ageing

For more information, visit:
www.accra-project.org

Thank you for your attention

Questions?

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► 19

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2.4 Others Accra Events

2.4.1 By SSSA

Accra was presented in these different events in Italy and Edimburgh by Filippo Cavallo (SSSA):

| alcune considerazioni | programma convegno |
|---|---|
| <p>La giornata di studio vuole sollecitare una riflessione sull'importanza del lavoro integrato dei diversi servizi territoriali per una risposta adeguata al nuovo progetto di medicina di iniziativa regolata dal DGR n. 650/2016. È noto che l'obiettivo del progetto è espandere il Chronic Care Model ai pazienti complessi collocabili sulla parte alta della piramide del modello, mediante piani assistenziali e cura individuale, in un'ottica proattiva, finalizzati a migliorare la qualità della vita e prevenire ricoveri ripetuti. Nella gestione del paziente complesso a rischio di non autosufficienza, dunque, andrebbero coinvolti tutti i servizi per riuscire a dare una risposta ai bisogni ed una presa in carico continua, seppur rimane fondamentale il ruolo del Medico di Medicina Generale (MMG), delle Aggregazioni Funzionali Territoriali (AFT), delle Case della Salute e Unità Complesse di Cure Primarie (UCCP). In tale direzione anche FRSA potrebbe avere un ruolo all'interno di questo processo di cura nella gestione dei pazienti a rischio di non autosufficienza, in quanto servizio territoriale che nell'ultimo decennio ha messo a punto un sistema proattivo di gestione aperto sulle 24 ore.</p> <p>Nello specifico potrebbe svolgere le seguenti funzioni:</p> <ul style="list-style-type: none"> • Rilieferimento sulle 24 ore per ogni tipologia di risposta di tipo infermieristico assistenziale, • Importante supporto per i MMG nel mappare ed avviare una valutazione per una gestione quotidiana che miri alla prevenzione ed al mantenimento della condizione di benessere, • Fornire una risposta residenziale, in caso di acuzie, evitando il ricovero ospedaliero con riduzione del costo giornaliero. <p>Riteniamo utile sottolineare che per rispondere efficacemente alla domanda di cura è importante non solo l'integrazione dei servizi, ma anche dei saperi. In tal senso è fondamentale un dialogo ricco e continuo tra il sistema di cura e le nuove tecnologie. Il sapere informatico, nello specifico, si sta muovendo nella direzione di fornire strumenti utili a garantire un maggiore empowerment, rendendo sostenibile uno spostamento di energie/risorse dalle mansioni meccaniche di rilevazione alla cura della relazione.</p> | <p>ore 9.00 Registrazione</p> <p>ore 9.30 Saluti Dott.ssa Francesca Napoli Vicepresidente ASP Montedomini Dott. Carlo Rossi Presidente A.R.E.T.ASP</p> <p>ore 9.45 Il paziente complesso e la nuova sanità d'iniziativa Dott.ssa Valentina Barietta ARS.T Osservatorio di Epidemiologia - Settore Sanitario</p> <p>ore 10.30 Il nuovo Chronic Care Model e le risorse del territorio: il ruolo della medicina generale. Un'ipotesi per il contesto del Mugello Dott. Vittorio Boscherini Direttore del Dipartimento di Medicina Generale dell'AUSL Toscana Centro Dott. Giovanni Bianchi MMG AFT Mugello</p> <p>ore 11.15 Tecnologie ICT e Robotiche per l'autonomia delle persone anziane e per il supporto al caregiver Dott. Filippo Cavallo Ingegnere ricercatore all'Istituto di BiRobotica della Scuola Superiore Sant'Anna Pisa</p> <p>ore 12.00 La RSA: un servizio per la gestione proattiva del paziente complesso a domicilio Dott. Carmine Di Palma Direttore RSA Mide Iotti, Responsabile settore Anziani coop G. Di Vittorio</p> <p>ore 12.45 Saluti e conclusioni Dott. Franco Iarano Vicepresidente Nazionale ANSDPP</p> <p>ore 13.15 Lunch break</p> <p>Moderatore Dott. Manlio Matera Presidente AIMA Firenze <i>Nel pomeriggio seguirà Assemblea associati ANSDIPP</i></p> <p>Sala messa a disposizione da: </p> |

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Essere dati

*Il lavoro e la cura
ai tempi della quarta
rivoluzione produttiva.*

3 MAGGIO 2017. SALA BOLOGNINI, PIAZZA SAN DOMENICO 12, BOLOGNA

9.30 REGISTRAZIONE DEI PARTECIPANTI

9.45 SALUTI ISTITUZIONALI *Palma Costi* Assessore alle attività produttive
Federica Mazzoni Consigliera Comunale del Comune di Bologna

10.00 INTERVENTI DI *Riccardo Staglianò* Giornalista di "La Repubblica"
Filippo Cavallo Ricercatore Sant'Anna Scuola Universitaria Superiore di Pisa

11.00 COFFEE BREAK

11.15 TAVOLA ROTONDA CON *Adriano Turrini* Presidente Coop Alleanza 3.0
Alberto Vacchi Presidente e Amministratore Delegato i.M.A.
Franco Guglielmetti Presidente Cadial
Giulio Santagata Consigliere Delegato Nomisma
Riccardo Staglianò Giornalista di "La Repubblica"
Rita Ghedini Presidente Legacoop Bologna

MODERA *Paolo Giacomini* Vice Direttore QN - Quotidiano.net

12.30 CONCLUSIONI *Paolo Venturi* AICCON - Università di Bologna

A SEGUIRE BUFFET

È gradita conferma di partecipazione, per informazioni: T 051 7419001 - g.casarin@cadial.it



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| EUROPEAN ROBOTICS FORUM | | 22 – 24 March 2017, Edinburgh | | | | | | DRAFT |
|-------------------------|---|--|---|--|---|--|-----------------------|-------|
| 24 March | | | | | | | | |
| 8.30 – 10.00 | AICOR Combining IoT, robotics and AI: where is the added value, where are the challenges? <i>Mauro Dragone</i> | Social Empathic Human-Robot Interaction: A Joint Industry-Academia Outlook for the Future <i>Kerstin Dautenhahn</i> | Logistics Robust and long term operation of robotics for logistics <i>Jesus Alfonso de la Riva</i> | Standardisation Standards and Standardisation for Robots <i>Theo Jacobs</i> | Competitions European robotics competitions and challenges: status quo and lessons learned <i>Agostina De Santis</i> | Health Robotic surgery in the European researchers community <i>Marta Capiluppi</i> | Phill ACCRA | |
| 10.00 – 10.45 | Coffee break | | | | | | 04/05/2017 16:11 | |
| | | Health | Innovation | | Competitions | | | |

2.4.2 By Cdot

Japanese conferences:

- Hiroshi Hoshino, Aiko Matsumori, 生活意欲の向上を目指した障害者・高齢者の被服行動支援プロジェクト, The 79th National Convention of IPSJ, 2F-03, March 2017, (in Japanese)

2.4.3 By Kyoto University

Japanese conferences:

- Daisuke Kotani, アジャイル型共創による高齢者補助ロボット用ネットワークプラットフォーム技術の研究開発, The 11th Regional Intercloud Workshop, March 2017. (in Japanese)

Japanese presentation in domestic exhibition:

- Daisuke Kotani, Yoshiharu Tsuzaki, Yasuo Okabe, 高齢者の活動的・健康的な生活を支援する補助ロボット用ネットワークプラットフォーム, The 11th Kyoto University ICT Innovation, February 2017.

2.4.4 By Erasmus University

Seminar of the SafeAge project, 20 April 2017.



Co-funded by the
Europe for Growth Programme
of the European Union



Invitation

WVO Zorg invites you to hear and discuss about developing tomorrow's home care and create better and more functional home care in 2020 to the 'Sustainable Ageing in Future Europe (SAFE)' - project's seminar. The main topics of the seminar are technology, participation (volunteering) and the future employee. More information: www.safeage.eu.

The moderator of the event is Mr. Robbert Huijsman.

Programme 19.-21.4.2017

Wednesday 19th April

18.00-21.00 Welcome get-together at Centrum voor Verzorgd Wonen Ter Reede, Vredeshoflaan 370, Vlissingen. Welcoming speech by Mr. Jan de Graaf, CEO WVO Zorg. Dinner-buffet. During the dinner there will be an interactive lecture on the theme of happiness by Mr. Ab Dijksterhuis, professor and head of the department of social psychology at the Radboud University Nijmegen. Together with WVO Zorg he is doing research on interventions, that our employees can use to improve the happiness of our clients in a way that it lowers the care burden.

Thursday 20th April

08.15-09.15.....'Innovation Breakfast' by Mr. Arend Roos at Centrum voor Verzorgd Wonen Ter Reede, Vredeshoflaan 370, Vlissingen. During the breakfast there will be some pitches on recent innovations.

09.15-09.30.....Check in.

09.30-09.45..... Welcoming speech by Mr. Jan de Graaf, CEO WVO Zorg and programme presentation of the seminar by moderator Mr. Robbert Huijsman.

09.45-12.00.....'The exponential grow of technology in (home) care' by Mr. Lucien Engelen, director of the Radboud UMC Reshape Center. After his lecture there will be a design workshop (in mixed groups) on the theme.

12.00-12.15.....Summary of the outcomes of the design workshops by moderator Mr. Robbert Huijsman.

12.15-13.30.....Lunch at the Atrium of Ter Reede.

13.30-14.15.....Presentation of two best practises:

- "Using robots in care, a presentation of the Accra Project" by Mrs. Isabelle Fabricotti, associate professor at the Institute for Health Care Policy and Management EUR.
- "The use of music in cure and care" by Mr. Joop Roovers, music therapist at WVO Zorg

14.15-16.45.....'Participation and volunteering' by Mr. Lucas Meijjs, professor of 'Strategic Philanthropy and volunteering' at Erasmus University Rotterdam. The Netherlands are dismantling the classical welfare state, a system that they can no longer sustain. The welfare state is slowly but surely evolving into a 'participation society' – asking people to do more to help each other before turning to the government for aid. The public systems should start encouraging self-reliance over government dependency. After his lecture there will be in mixed groups interactive discussions and assignments of the topics.

16.45-17.00.....Summary of the group discussions by moderator Mr. Robbert Huijsman.

17.00-17.15.....Summary of the first day of the seminar and a foreword on day two by moderator Mr. Robbert Huijsman.

19.00-21.30.....Dinner at Centrum voor Verzorgd Wonen Ter Reede, Vredeshoflaan 370, Vlissingen.

Friday 21th April

08.30- 09.00.....Check in at the Old City Hall Middelburg.

09.00-09.15..... Summary of the first day of the seminar and the programme of day two by moderator Mr. Robbert Huijsman.

09.15-10.00.....Presentation of two best practises:

- "Day light simulation in the nursing home (dementia)" by Gerda Andringa, assistant professor in Cognitive Science at the University College Roosevelt.
- "A project on coordination between education and practice" by Nathalie van de Zande, researcher at the

3 Website

ACCRA website is online at www.accra-project.org. The structure of the official English version has the following topics:

- **Home:** General introduction of the project.
- **Objectives:** In this section, it is described the objectives of the project deeply.
- **News:** Notable activities of members of the project related to Accra. It will be updated regularly.
- **Deliverables:** When first deliverables opened to public will be finished, it will be shown here to the public in a list with name of them and a link to download or read them in pdf.
- **Presentations:** Papers presented in academic and industrial symposiums and conferences will be shown here.
- **Consortium:** A list with all the members of the consortium, European and Japanese partners.
- **Contacts:** A list with the contacts of the main responsible person of each member of the consortium.
- **Japanese version:** The Japanese version is available with a reduced menu, only (home, news, consortium and contact).
- **French version:** The French version is available with a reduced menu, only (home, news, consortium and contact).

Website will be updated as the project is developed and presented in different events and conferences.

A general overview of the home page:

- English version

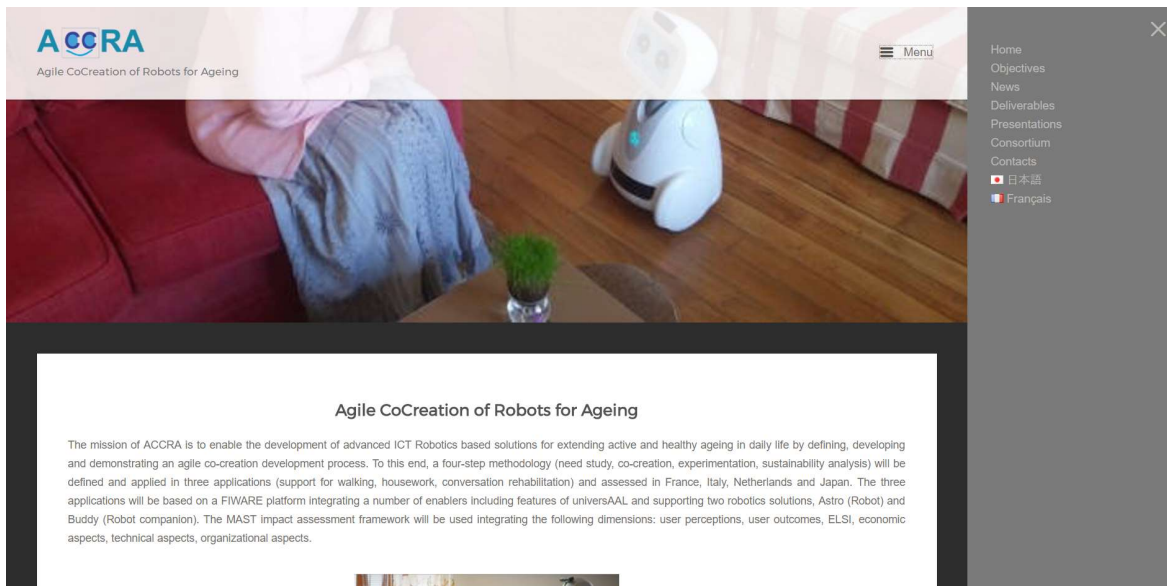


Figure 3 Home page website English version.

- French version:

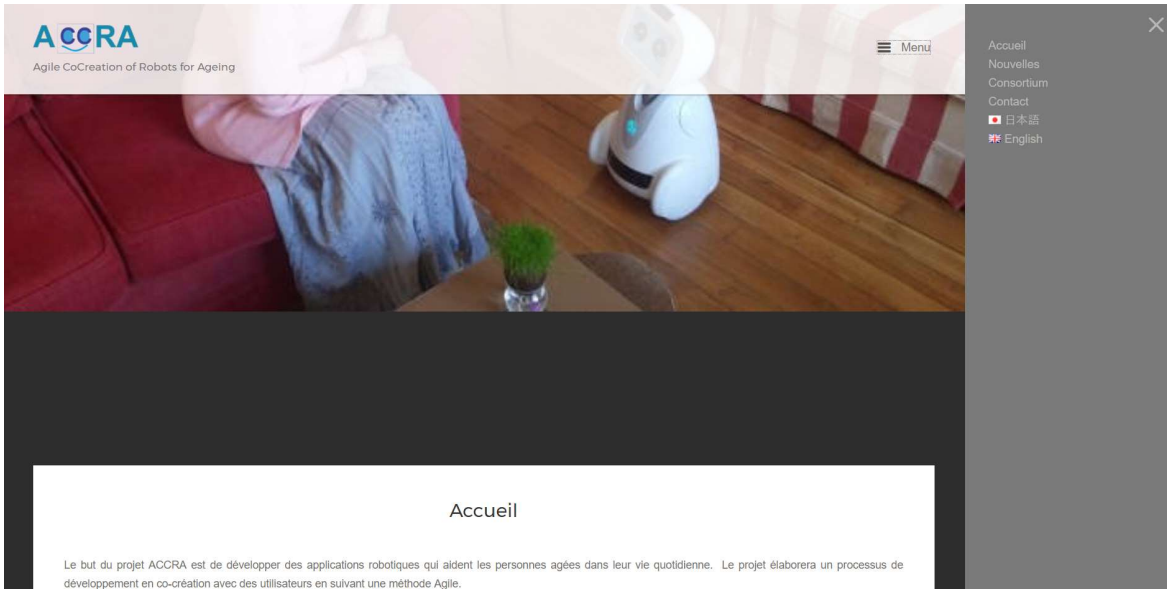


Figure 4 Home page French version web site.

- Japanese version:



Figure 5 Home page Japanese version web site.

4 Flyer

At this stage of the project, there is a general English version of a flyer for the project, which could be updated and in the future it will be translated into the other languages of the pilot's sites (Japanese, French, Dutch and Italian).

OUTSIDE VIEW



Figure 6 Outside view of flyer English version.

INSIDE VIEW

Good Morning Margareth!
It's breakfast time,
Can I help you?

ACCRA
Agile CoCreation of Robots for Ageing

Accra main goal is to enable the development of advanced ICT Robotics based solutions for extending healthy ageing independent living. To achieve this objective, the project follows an Agile Feedback loop methodology of Cocreation, which involves

a continuous feedback from end users in order to improve and accurate the development of Robotics solution adjusted to their needs.

Four main phases of the project, needs study, co-creation, experimentation and sustainability analysis will be developed in four main different countries: France, Italy, Japan and Netherlands.

Accra will also develop platform for supporting Agile Cocreation of robotics solution.

CONVERSATION
Seniors in danger of loneliness, isolation and conversational issues can take advantage of this help in conversation.

DAILY LIFE ACTIVITY
Robot helps seniors maintaining an independent life. Robot fosters family communication, reminds important things and events, advices and alarms responsible ones if needed.

MOBILITY
Robot helps seniors to maintain independent mobility avoiding obstacles and falls.

www.accra-project.org

Figure 7 Inside view of flyer English version.