EU-Japan Policy Forum on Silver ICT

Overview of EU strategy on ICT for Ageing Well

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DG CONNECT H2

Demographic Ageing

Social Necessity

- Dependency Ratio
  • From 1:4 to 1:2
  • 80+ doubles by 2025

- Cost of Care
  • Up by 4-8% of GDP by 2025

- Human Resources
  • Shrinking workforce
  • Lacking 20 million carers by 2020

Major Opportunity

- Empowerment
  • Active Ageing

- New Care Models
  • Integrated care
  • Large Efficiency gains

- Growth and Markets
  • 3000 B€ Wealth
  • 85 Million Consumers and growing
The overall vision

Challenges

ICT based Innovation

Opportunities

The overall vision

What are we looking at?

- 3000 B€ Wealth by people over 65
- 85 Million Consumers over 65 and growing
- <15% ICT use

The Consumer Market

- Care costs ~1000 B€ /year in Europe (8 % GDP)
- 1% for innovation
- ~10 B€ /year

The Public Market
ICT RDI

in Health & Ageing

Digital Agenda

eHealth 2020

Health policy

AAL

Ageing policy

Health & wellbeing

Integrated care

Cross-border care

Sustainable care

Independent living & Active Ageing

Legal & market conditions

ICT in support of older people...

At Work
  • Staying active and productive for longer
  • Better quality of work and work-life balance

In the Community
  • Overcoming isolation & loneliness
  • Keeping up social networks
  • Accessing public services

At Home
  • Better quality of life for longer
  • Integrated Care
  • Independence, autonomy and dignity
**Ageing Well**

**The EU Picture**

**Active and Healthy Ageing Partnership**

- **New Knowledge**
- **Proven Ideas**
- **New solutions**
- **Evidence and innovation guidelines**
- **Deployment support**

**Horizon 2020**

- **Health**
- **eHealth**
- **ICT & Ageing**

**JPIs**

**More Years Better Lives**

**Research**

**Innovation**

**Deployment**

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**R&D**

**ICT & Ageing**

*FP7 ICT & Ageing Research*

> 35 projects, >125 M€ funding

- **Advanced Prototypes for independent living/active ageing:**
  - ADL, Cognitive support
  - Service and social robotics
  - Smart environments for early risk detection & intervention
  - Open Systems, Reference Architectures, Platforms

- **Support: roadmaps, ethics, standards, Int'l cooperation**

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**Presentation by Peter Wintlev-Jensen**

Japan-EU Policy Forum on Silver ICT (03/12/2013)

for other presentations see

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ICT Policy Support Programme / CIP

- Large scale pilots
- Assisted living using existing technology
- Focus on evidence, organisation change, business models
- Building on regional activities

16 pilots
> 50 Regions
> 20,000 users
> 70M€ funding

- Multiple Chronic diseases
- Cognitive impairment
- Integrated Care
- Fall prevention and detection
- Skills & carers
- EIP support

Horizon 2020

Societal Challenges

70 Billion € Budget

Excellent Science

Industrial Leadership

for other presentations see http://www.eu-japan.eu/japan-eu-policy-forum-silver-ict
Horizon 2020

Societal Challenge 1: Health, Demographic Change and Wellbeing

1. Understanding Health, Wellbeing and Disease
2. Preventing Disease
3. Treating and Managing Disease
4. Active Ageing & Self Management of health
5. Methods and Data
6. Health Care Provision and Integrated Care
7. Specific Implementation Issues

Budget: ~7 Billion € 2014-2020

• AAL JP follow-up programme
• EC proposal beginning July 2013

Advancing Active and Healthy Ageing

PHC 19 - 2014) Service robotics within assisted living environments

Characteristics: modularity, cost-effectiveness, reliability, flexibility in being able to:

→ meet a range of relevant needs and societal expectations,
→ applicability to realistic settings, safety and acceptability to end-users

• Can help an ageing population to remain active and independent for longer
• Combines multi-disciplinary research involving behavioural, sociological, health and other relevant disciplines
PHC 20 - 2014) ICT solutions for independent living with cognitive impairment

Pilots building on flexible and open ICT solutions which allow users to live independently for longer while experiencing cognitive impairment

Development of best-practice and viable business and financing models, as well as evidence for potential return on investment

- Innovation in organisational and business models for service delivery, standardisation and interoperability work on required ICT platforms, services and data sources
- Number of users involved: sufficient to ensure statistical significance, with a minimum of 4 pilot sites in 4 countries

European Innovation Partnership on Active and Healthy Ageing

APPROACH:

- Ownership of key stakeholders
- High-level political commitment
- Very large-scale deployment & innovation
- Awareness and best-practice sharing across Europe
- Combining demand and supply sides of innovation
- Building on existing instruments and new ones
European Innovation Partnership on Active & Healthy Ageing

innovative collaboration
crosscutting, connecting & engaging stakeholders across sectors, from private & public sector

specific actions

+2 HLY by 2020
Triple win for Europe

Pillar I
Prevention
screening early diagnosis

Pillar II
Care &
cure

Pillar III
Independent living & active ageing

- Improving prescriptions and adherence to treatment
- Better management of health: preventing falls
- Preventing functional decline & frailty
- Integrated care for chronic conditions
- ICT solutions for independent living & active ageing
- Age-friendly cities and environments

Everybody can engage

- Action Group
Active partners submitted a commitment to work together to drive the Specific Actions of the Partnership

- (Candidate) Reference Sites
Regions or other geographical areas where the actions covered by EIP are in place and could coach and show best practices to others

- Marketplace for innovative ideas
Online Platform– open for everybody

Deadlines:
- Action Group: 28/02/13
- (Candidate) Reference Sites: 31/05/12

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for other presentations see
Building up EIP scale and critical mass

1,000 regions & municipalities
> 500 commitments

3,000 partners
32 Reference Sites

1 billion euro mobilised

30 mio citizens, >2 mio patients

Marketplace
>30,000 visits
>650 registered users

Reference Sites - coverage

32 RSs =>12 MSs
selected for self-assessment and peer-review
(innovation, scalability, outcomes)

71 good practices of innovation-based integrated care models with sound impact on the ground

1 July 2013 – Star Ceremony
announcement of best RSs with stars, ready for replication and coaching

3 stars: 13 Reference Sites
2 stars: 12 Reference Sites
1 star: 7 Reference Sites
Further Information

EU ICT and Ageing Well Initiatives
http://ec.europa.eu/einclusion

ICT Policy Support Programme

Ambient Assisted Living Joint Programme
http://www.aal-europe.eu/

JPI - More Years – Better Lives
http://www.jp-demographic.eu

Active and Healthy Ageing Partnership
http://ec.europa.eu/active-healthy-ageing

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