

Ambient Assisted Living, AAL Joint Programme

Overview

AAL

07th of June, 2011, AALOA meeting, Brussels

Silas Olsson

Acting Head of Unit

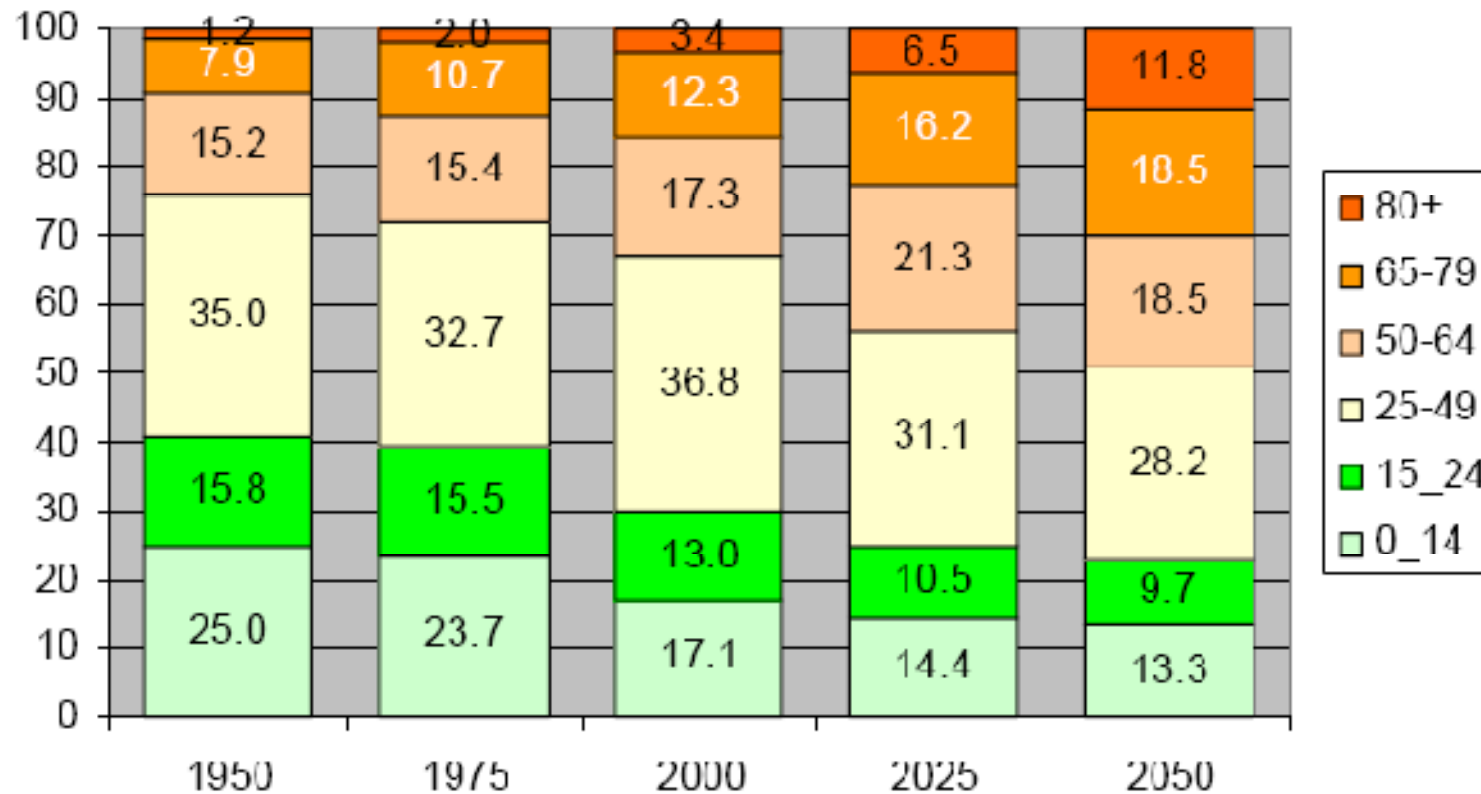
AAL Association, Central Management Unit, Brussels

eHealth reference: ICT for Health Unit, DGINFSO

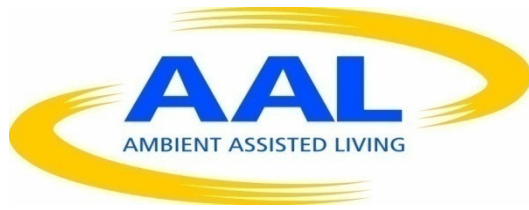
<http://www.aal-europe.eu/>

Demographic Trends

Distribution of the population (EU25) per age group (1950 – 2050)



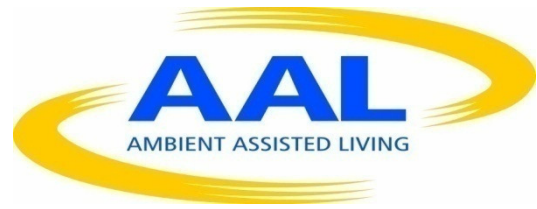
Source: UN World Population Prospects (2002 Revision) and Eurostat 2004 Demographic Projections (Baseline scenario)



Overall objectives ...

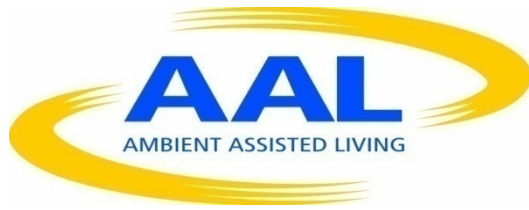
"The overall objective of the AAL joint programme is to enhance the quality of life of older people and strengthen the industrial base in Europe through the use of Information and Communication Technologies (ICT)."

- Better Quality of Life of elderly people
 - Strengthening the industrial base in Europe
 - Use of ICT – Tools, Systems and Services
-



Objectives of AAL JP

- Develop products and services for aging well at **home**, in the **community** and at **work**
 - **Create critical mass** of R&D and Innovation at European level
 - **Create markets** through common and compatible European solutions
 - **Include SME's** at all levels of activities
 - **Include Users** at all stages of activities
-



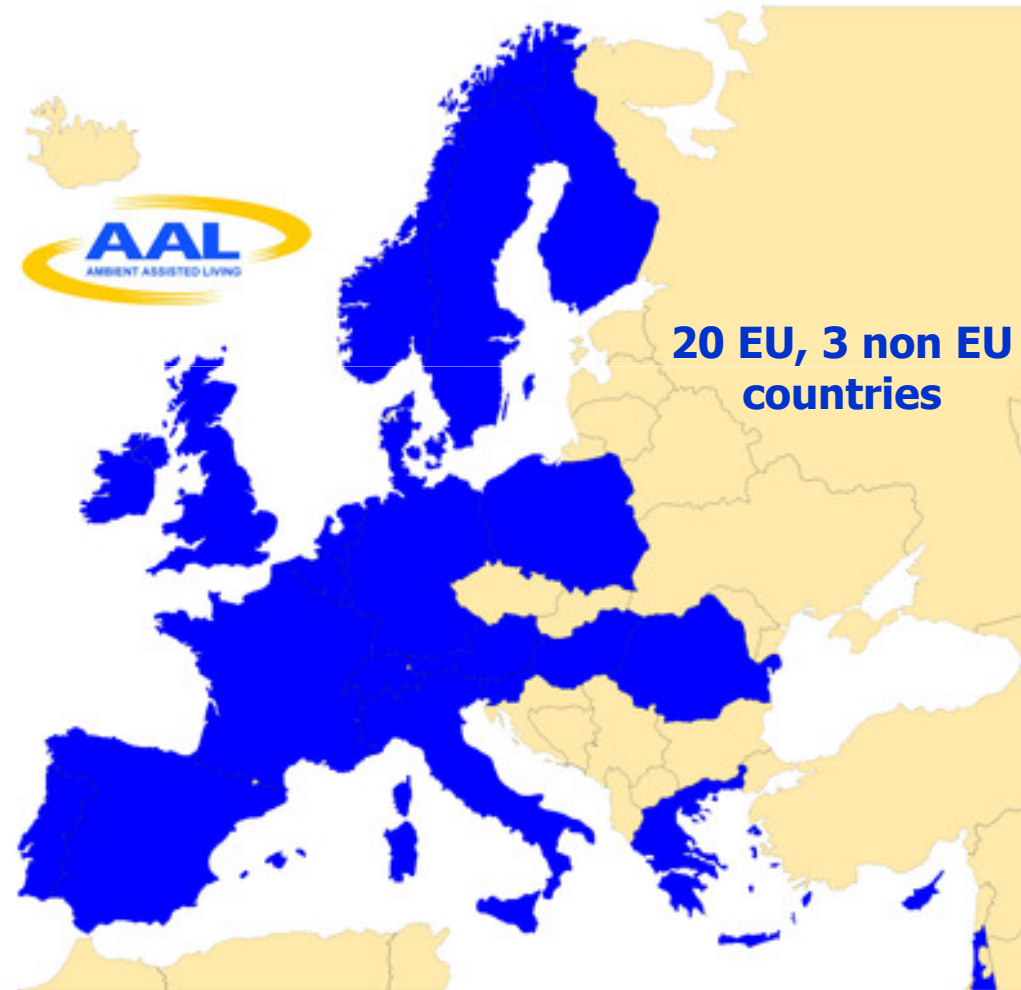
Ambient Assisted Living Joint Programme

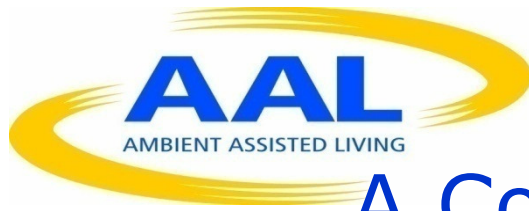
- **New funding programme for Europe – Based on EU article 169**
 - 2008 – 2013, total volume ~ 600 M€
of which 50 % public funding, 50 % private funding
 - Partner state driven programme
 - EC participation based on article 185 of the EC treaty
 - **Status and outlook**
 - Launch of first call for proposals in April 2008
 - Launch of second call for proposals in February 2009
 - Launch of third call for proposals in April 2010
 - Launch of fourth call for proposals in March 2011
 - AAL JP Forum Vienna 2009, Odense 2010, Lecce 2011
 - First AAL JP Investment Forum Odense 2010
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AAL

Partner States Today

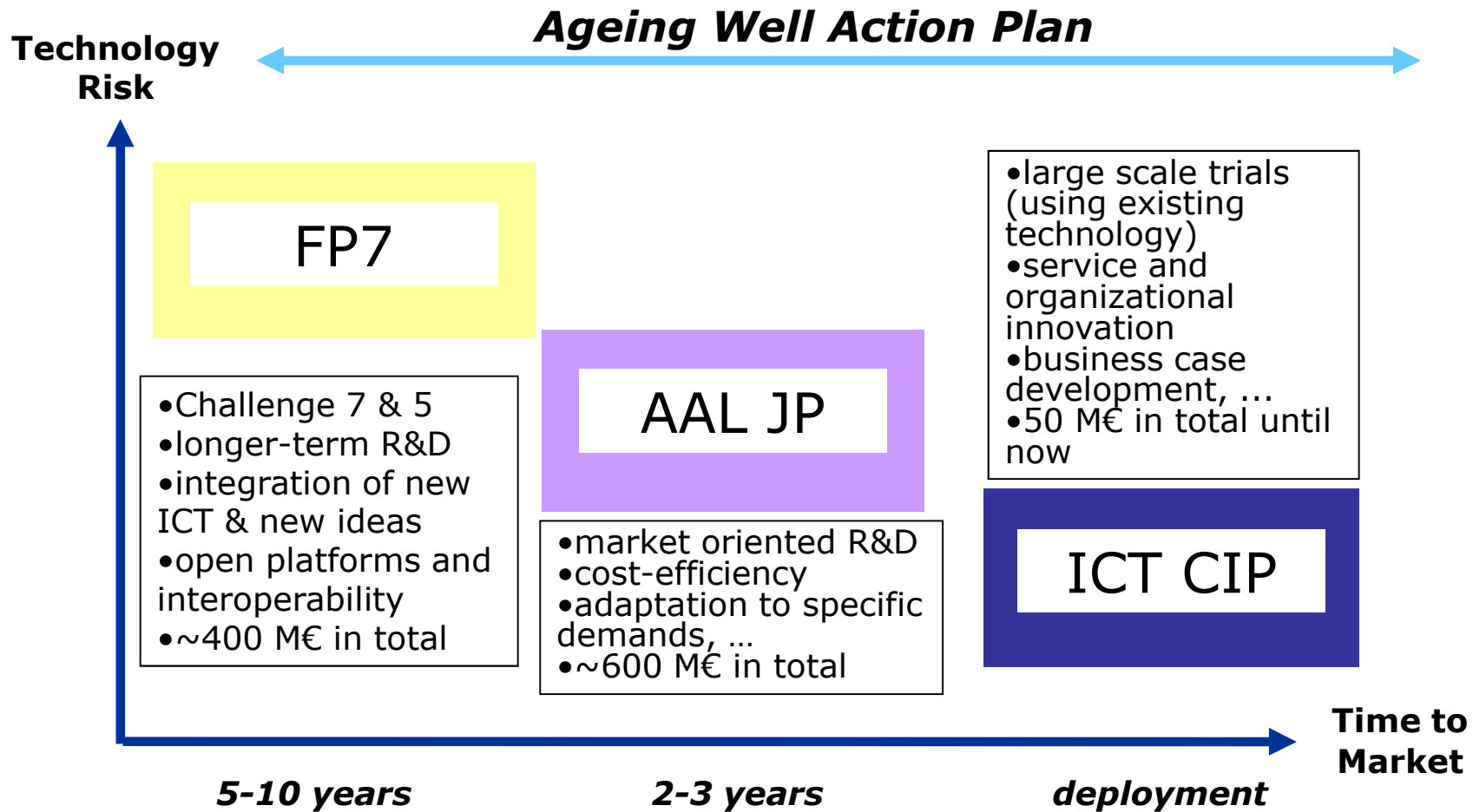
COUNTRY	Yearly indicative funding amount in Mio. €
Austria	2.5
Belgium	1.0
Cyprus	0.5
Denmark	0.5
Finland	2.5
France	3.0
Germany	5.0
Greece	1.5
Hungary	2.5
Ireland	0.5
Israel	1.0
Italy	2.5
Luxembourg	0.6
Norway	0.2
Netherlands	1.9
Poland	1.0
Portugal	0.5
Romania	0.2
Slovenia	0.2
Spain	4.4
Sweden	1,0
Switzerland	2.0
United Kingdom	1.1
23 countries	Approx 35 Mio. €





ICT for Ageing Well

A Comprehensive EU Approach

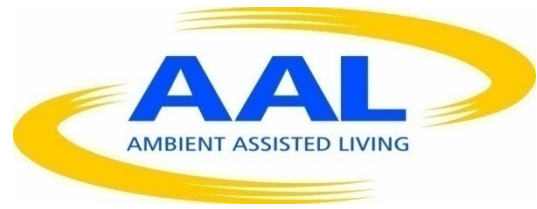




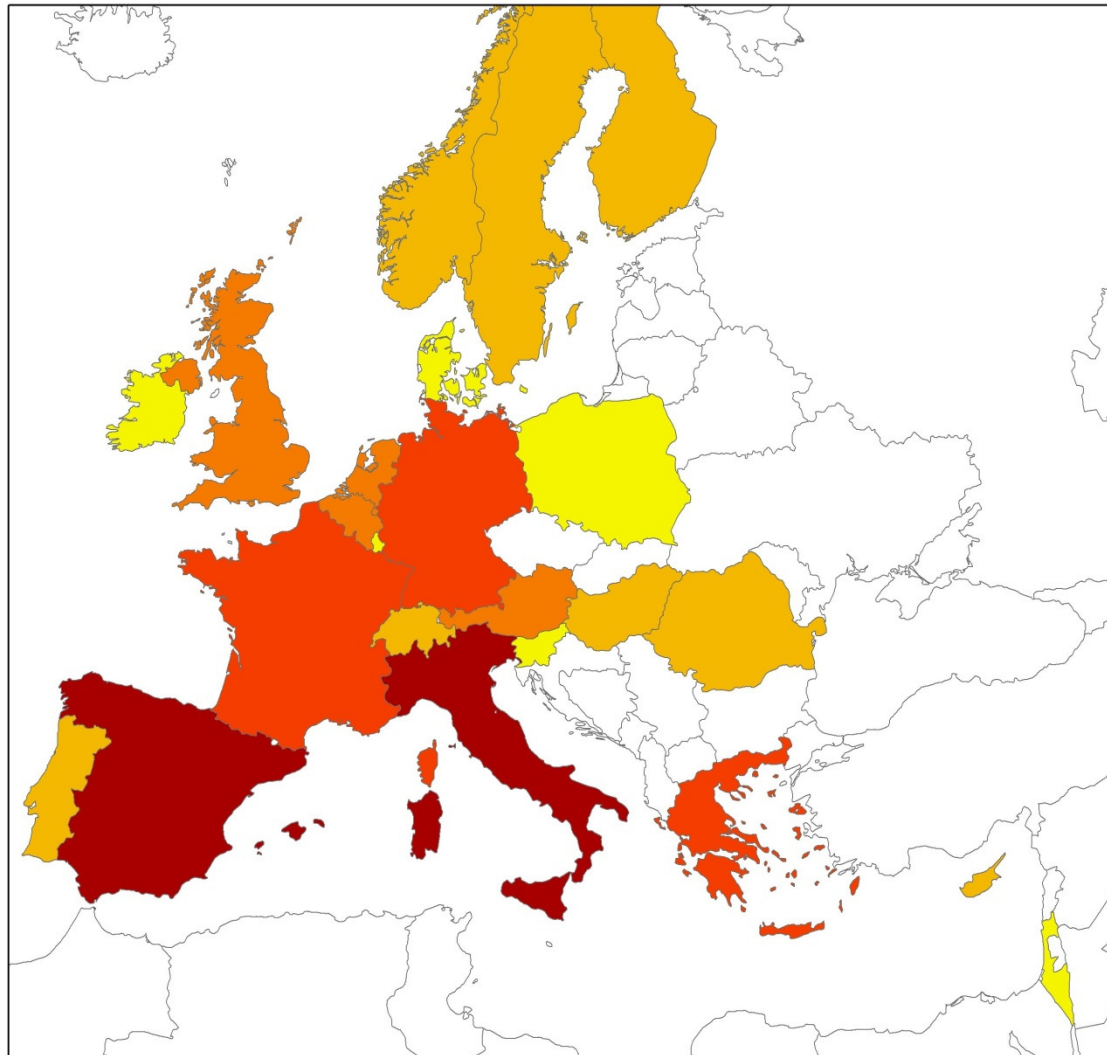
The first Call (closed 21 Aug. 2008)

Prevention and management of chronic conditions

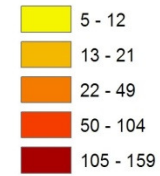
- **Solutions for elderly persons with identified risk factors and/or chronic conditions**
 - Aiming at solutions **centred on the elderly person** (not the professional or an organization), including citizen empowerment and peer support
 - Focused but not restricted to **home environment**, also solutions within the community and when travelling can be proposed
 - Focusing on solutions that keep the individual **out of the long-term care and hospitals.**
 - Objective is to **enhance the individual's autonomy, independence and quality of life**
 - Collaborative projects – at least three countries
-



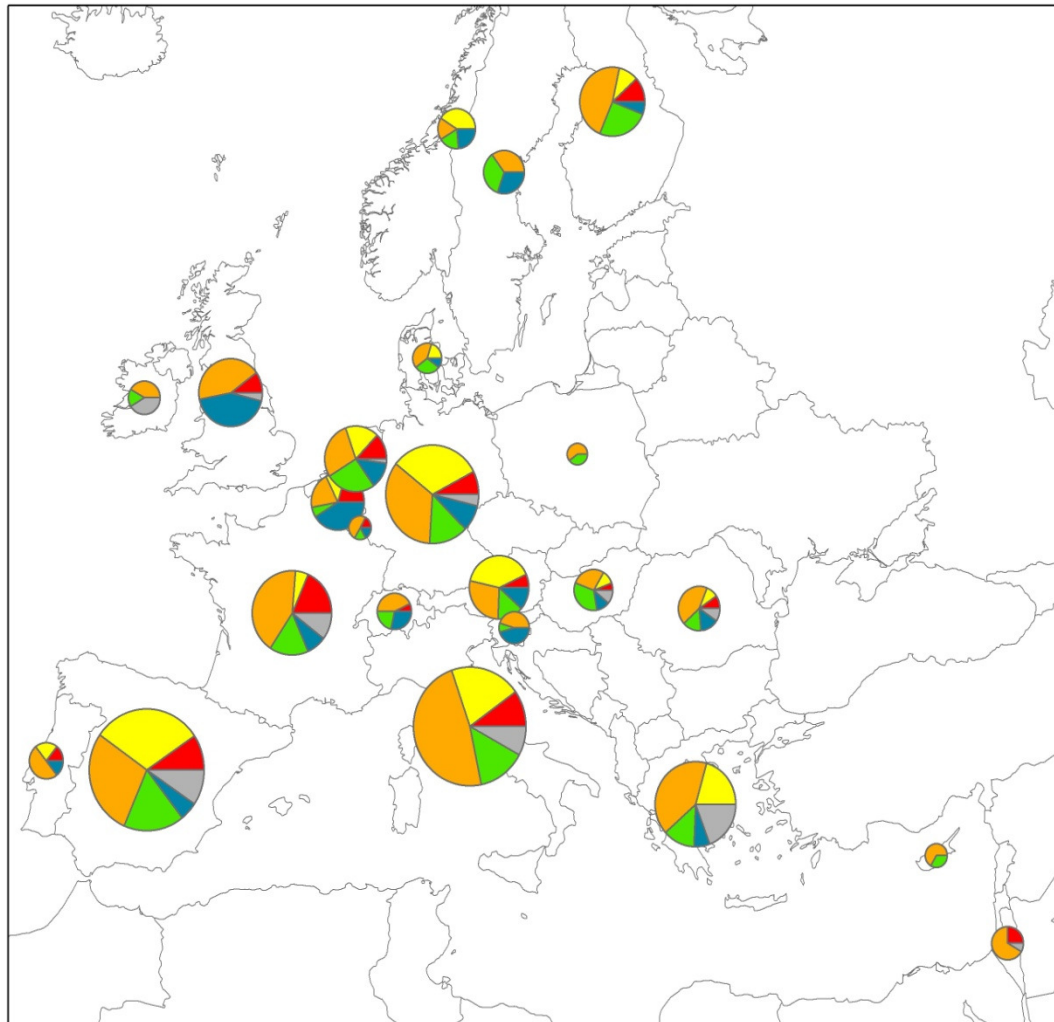
Participation in the first call



Number of Partners



Participation in the first call



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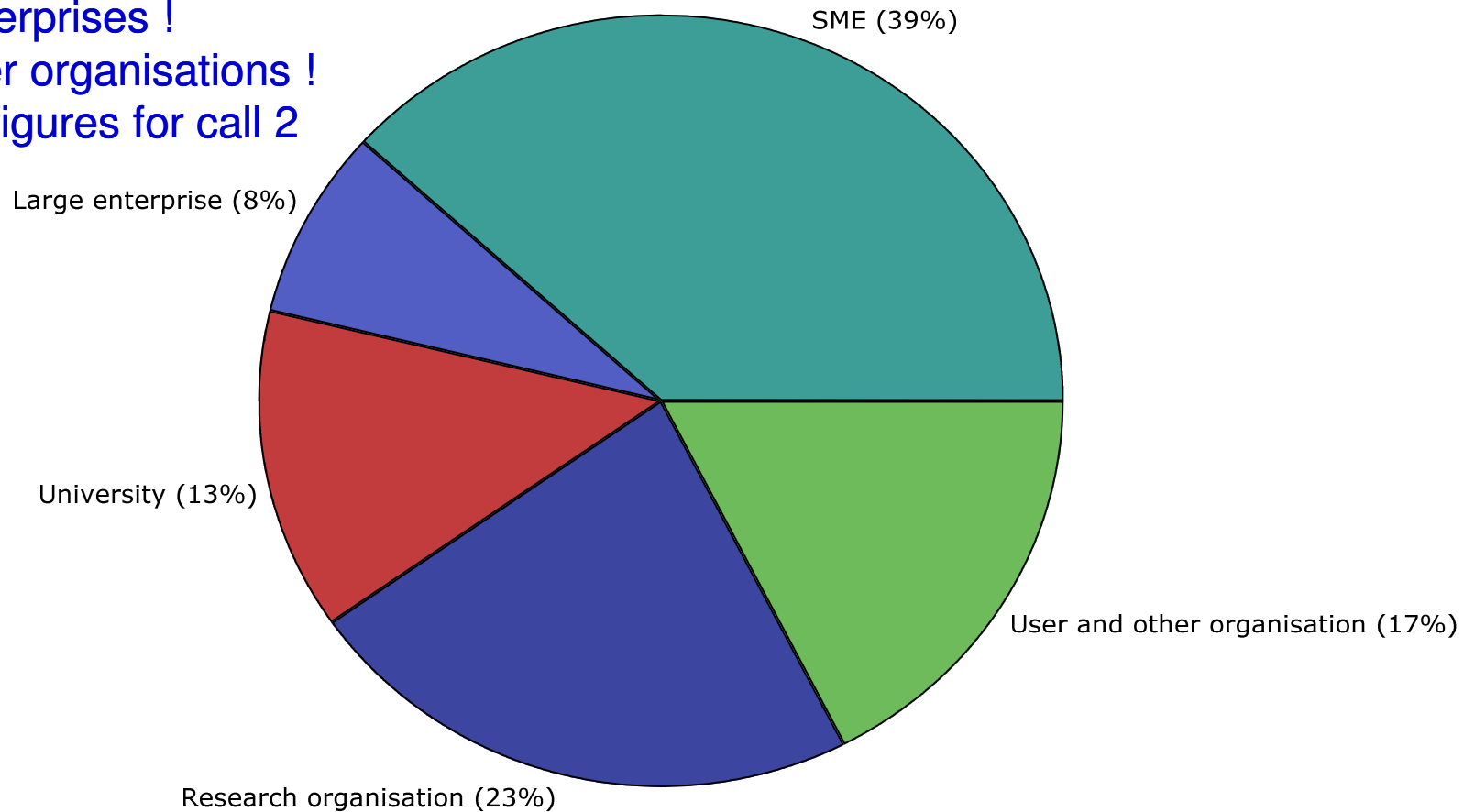


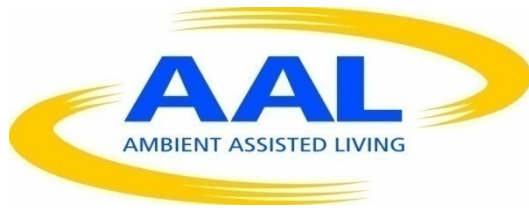
- Large_enterprise
- Research_organisation
- SME
- University
- User_organisation
- Other

Type of organisations in Call 1

56 ranked proposals with 452 partners:

- 47% enterprises !
 - 17% user organisations !
- Similar figures for call 2



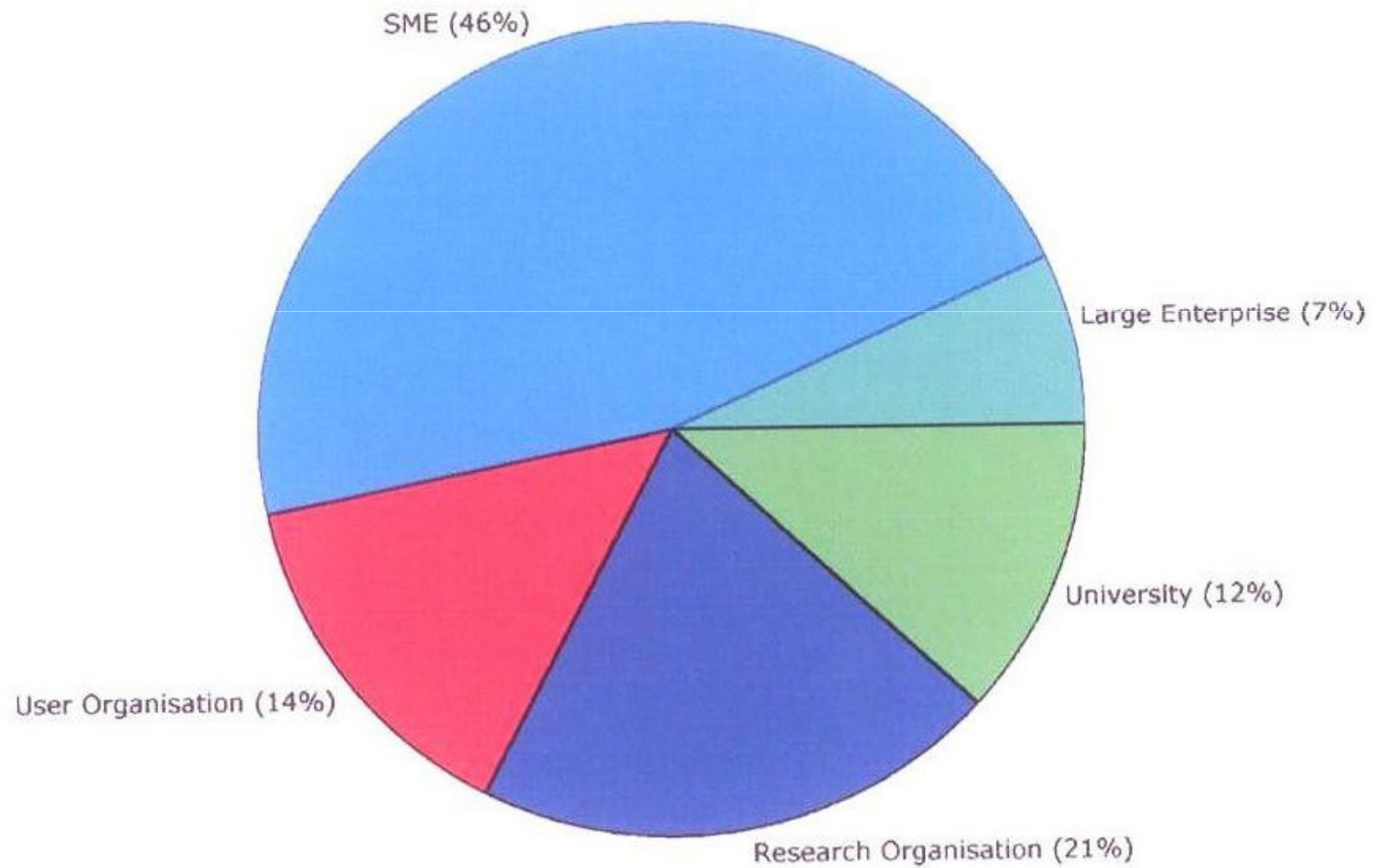


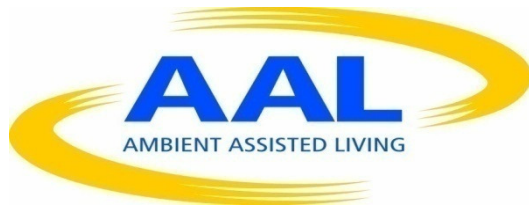
Second Call for Proposals

ICT based solutions for Advancement of Social Interaction of Elderly People

- **Living actively and enjoying life**
 - To ensure that people are allowed and enabled to choose lifestyle and activities as well as their level of social interaction
 - **Bridging distances**
 - Physical, psychological or cultural distances may hinder people from maintaining and supporting existing roles and the ability to define new roles
 - **Preventing loneliness and isolation**
 - Elderly persons have a higher risk of suffering from loneliness than other age groups
-

Type of Organisation in Call 2

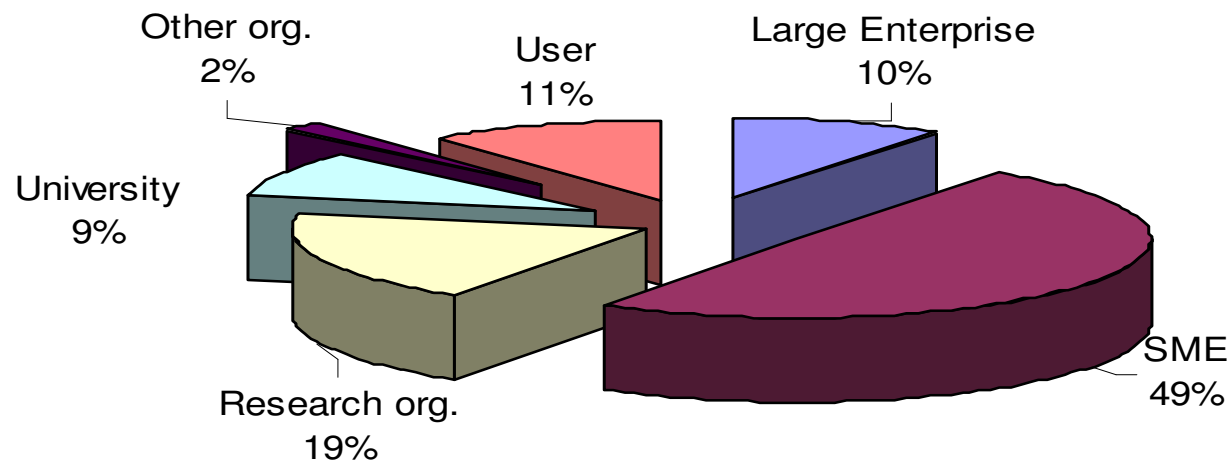


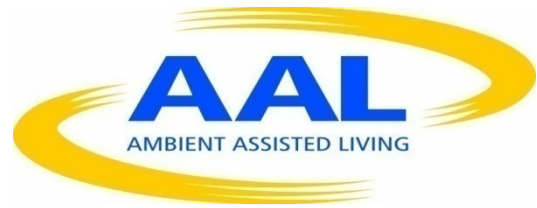


Third Call for proposals

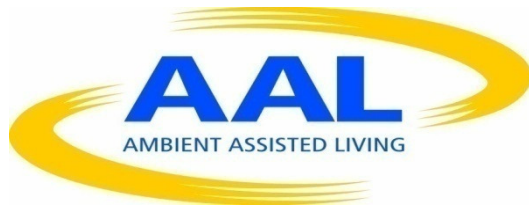
ICT-based Solutions for Advancement of Older Persons' Independence and Participation in the Self-Serve Society

Organisation types in submitted proposals (N=680)





ICT-based Solutions for Advancement of Older Persons' Mobility



The Focus of Call-2011-4

The call aims at development of ICT-based solutions which will help older persons to sustain their optimal level of mobility for as long as possible, as well as enhance their individual sense of confidence, autonomy, competence, security and safety.

The Call addresses issues that inherently enable older people's mobility in terms of moving in the home and/or outside the home.



Two Sub-Topics

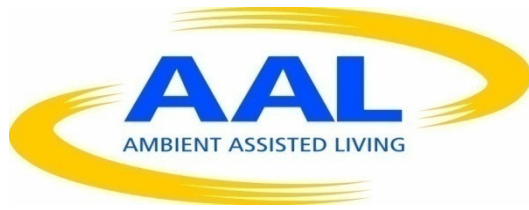
- **Orientation and navigation**

Orientation and navigation can be addressed to both indoor and outdoor applications.

- **Assistive Technology**

Assistive Technologies have the potential to enable indoor or outdoor mobility.

Projects should adopt a holistic approach, including the necessary expertise in the consortium. The innovation concept of the AAL JP is based on creating markets by developing solutions which meet the needs and wishes of end-users. Therefore, essential involvement of end-users from the outset of the project to its end is deemed to be essential for the success of the projects.



Business Model

- At submission of proposals: only the outline of the business model.
- Full business model development: integral part of the project (as a part of the business plan).

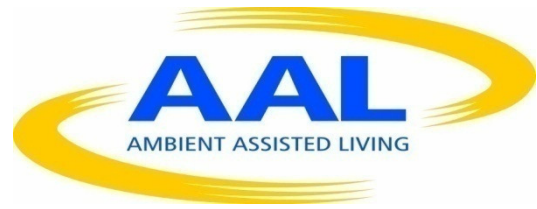
Business model outline should convince that the proposed product/solution has the opportunity to succeed on the market.



AAL CALL 4 FUNDING COMMITMENTS

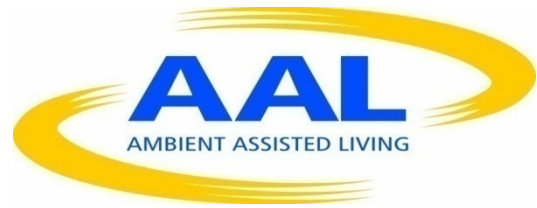
AAL Partner State	Mio. €
Austria	2,00
Belgium	1,00
Cyprus	0,20
Denmark	0,50
Finland	1,00
France	2,00
Germany	3,00
Greece*	0,00
Hungary*	0,00
Ireland	0,50
Israel	0,50
Italy **	2,50
Luxembourg FNR	0,30
Luxembourg Luxinnovation	0,30
The Netherlands	1,90
Norway **	0,80
Poland	0,50
Portugal**	0,50
Romania	1,00
Slovenia	0,20
Spain ISCIII	2,40
Spain MITYC **	2,50
Sweden	1,00
Switzerland	4,00
United Kingdom	1,10
Total AAL Partner States	29,7
Expected EC contribution for the Call	23,0
Expected total funding commitment	52,7

* Do not participation in Call 4
 ** Funding is still subject to a national decision process



Fourth Call for proposals “the way ahead”

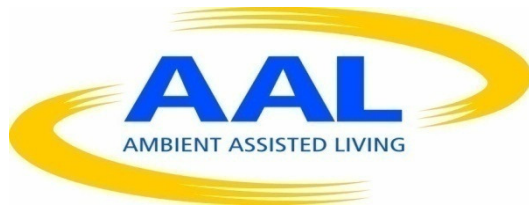
- **Call 4 deadline, June 30, 5pm, CET**
- **Remote evaluation, 3 exp/proposal**
- **Ranking meeting, mid September**
- **Results expected during October**
- **Please do not wait to submit proposals to the last day or hour**



AAL JP FORUM Website

www.aalforum.eu

2011



Thank you for your attention

Silas Olsson
silas.olsson@aal-europe.eu
AAL, Central Office, Brussels

Ambient Assisted Living Joint Programme <http://www.aal-europe.eu/>
EU ICT and Ageing Well Initiatives <http://ec.europa.eu/einclusion>
Best Practice Portal <http://www.epractice.eu>

<http://www.aal-europe.eu/>



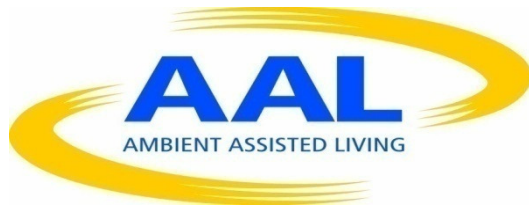
What Solutions does the Call aim at?

Solutions should be

- innovative
- financially sustainable
- underpinned by a credible business plan
- delivered by applied research and development activities

Successful projects are expected to

- address the users' wishes and needs
- target systemic solutions or to
- provide a contribution which is meant to be integrated into a systemic solution, including some kind of supporting service

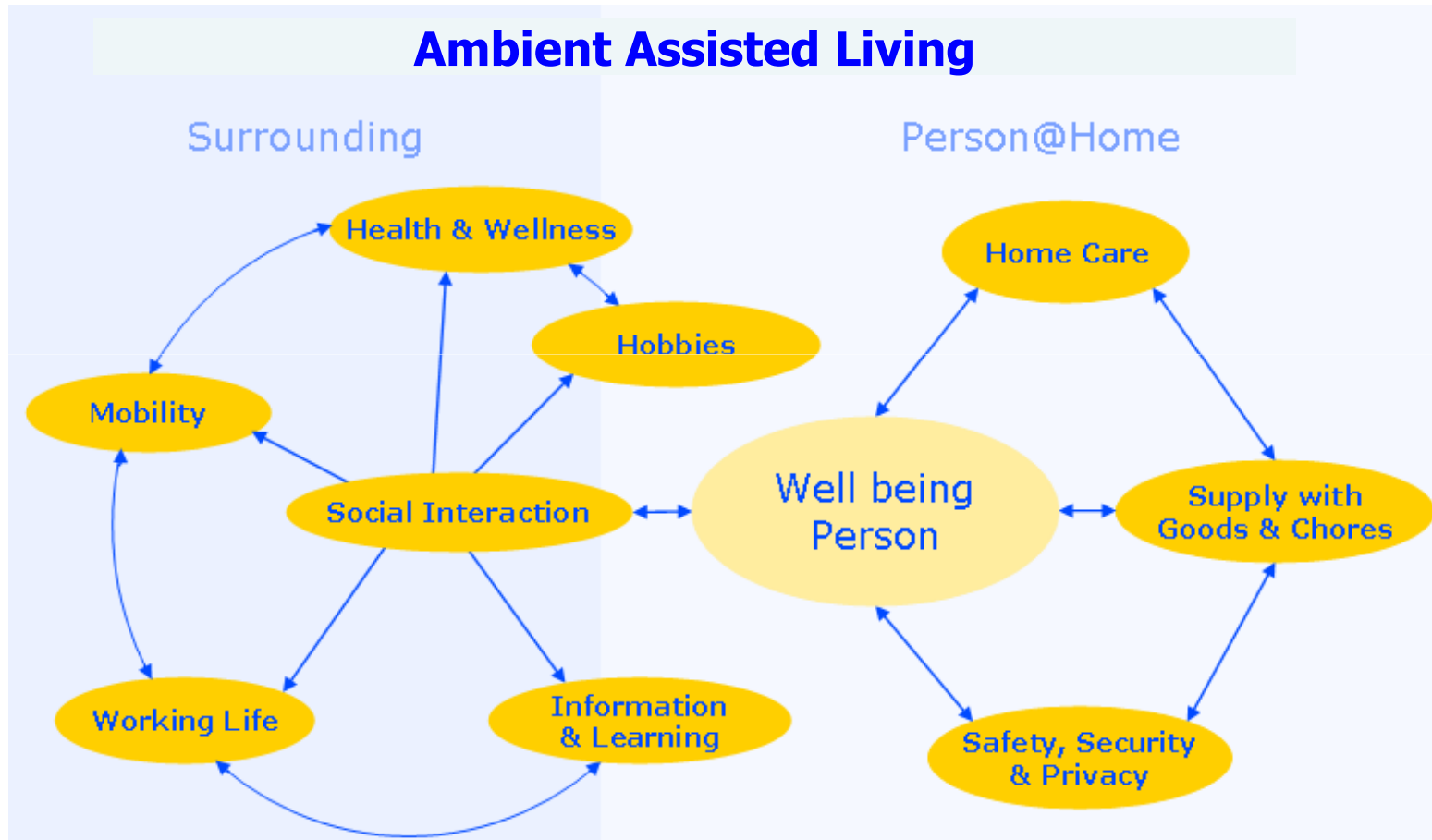


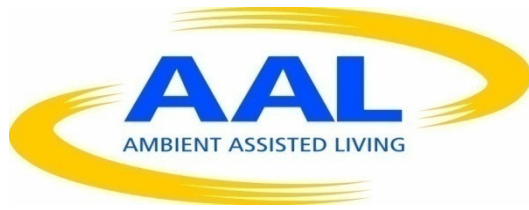
End-use Involvement

End-use involvement is mandatory.

- **Relevant end-users**
- **Relevant stakeholders**
- **Purpose**
- **Methodology**
- **Ethical issues (privacy, dignity, ...)**
- **End-users with reduced cognitive capabilities**
- **Time and work plan for end-use involvement**

Needs and Opportunities Thematic Areas





1. Clinical information systems

- a) Specialised tools for health professionals within care institutions
- b) Tools for primary care and/or for outside the care institutions

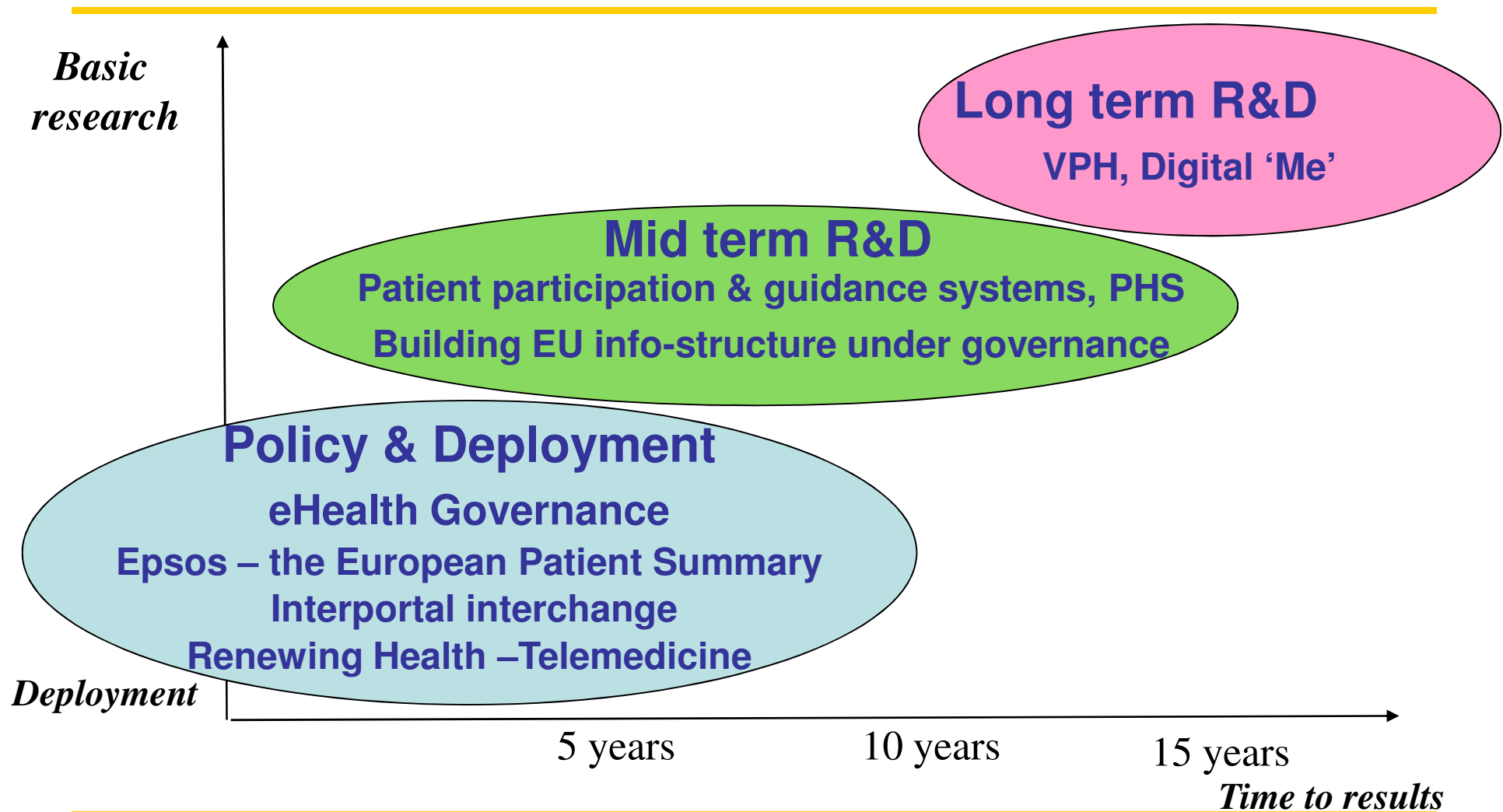
2. Telemedicine systems and services

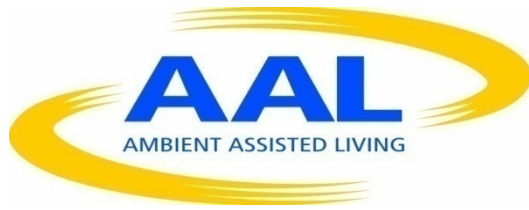
3. Regional/national health information networks

including electronic health record systems and associated services

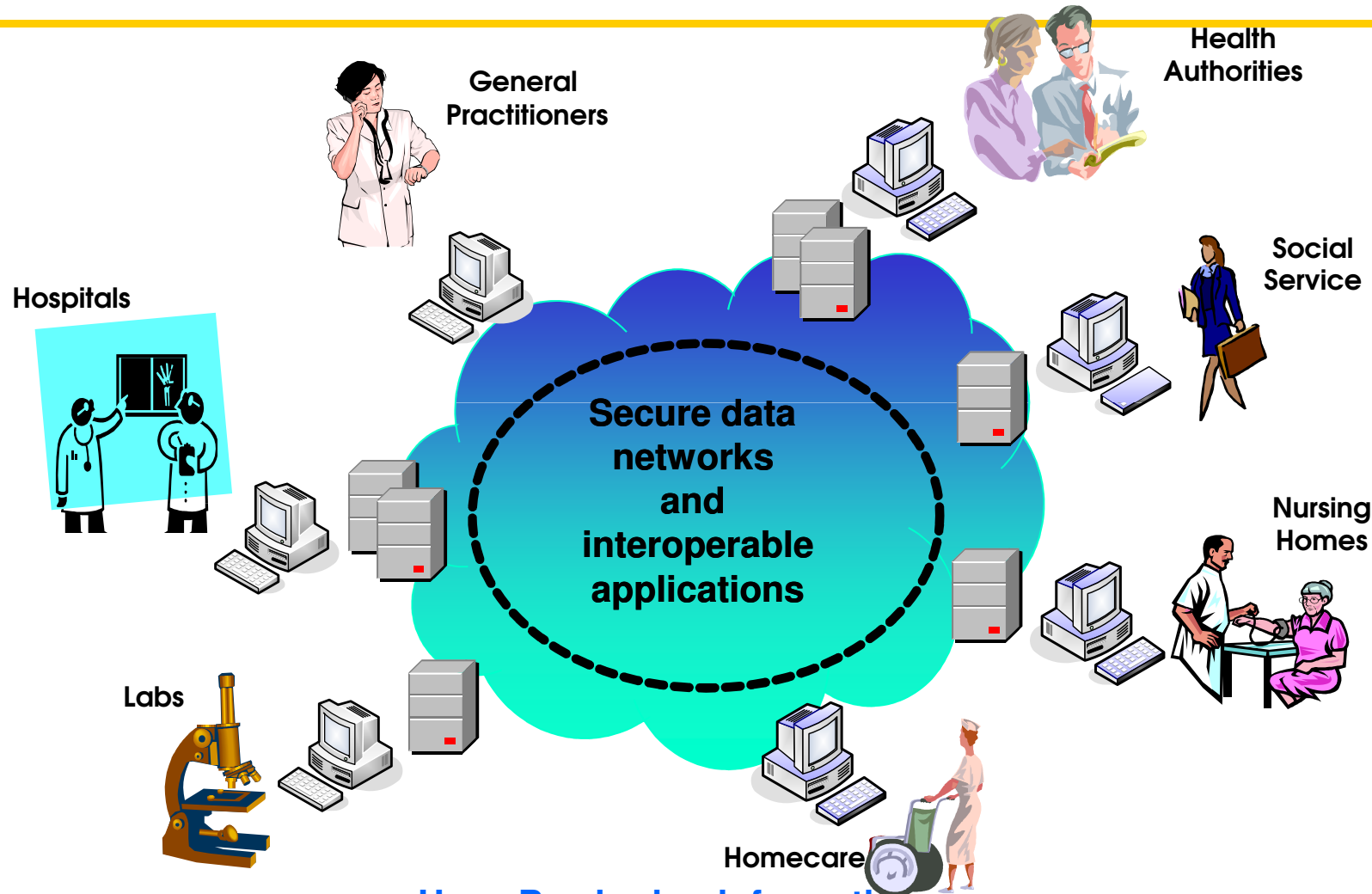
4. Secondary usage / non-clinical systems

- a) Systems for medical education, research, public health
- b) Health education and health promotion of patients/citizens





Step 1 – Linking all the points of care



How: By sharing information

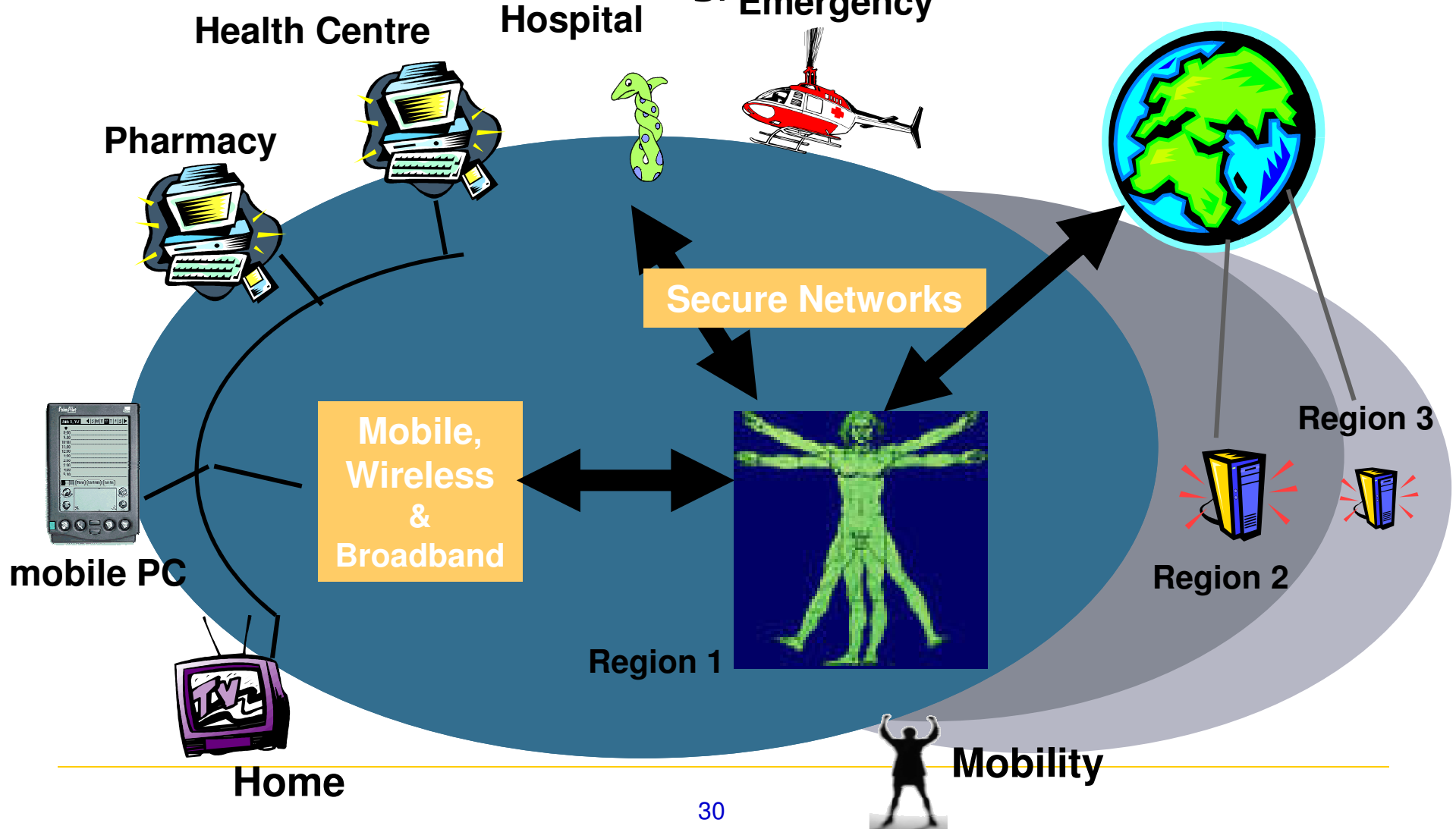
Tools: Electronic Health Records, Regional Information Networks, Portable Systems



Step 2

Connecting individuals with Health Information Networks

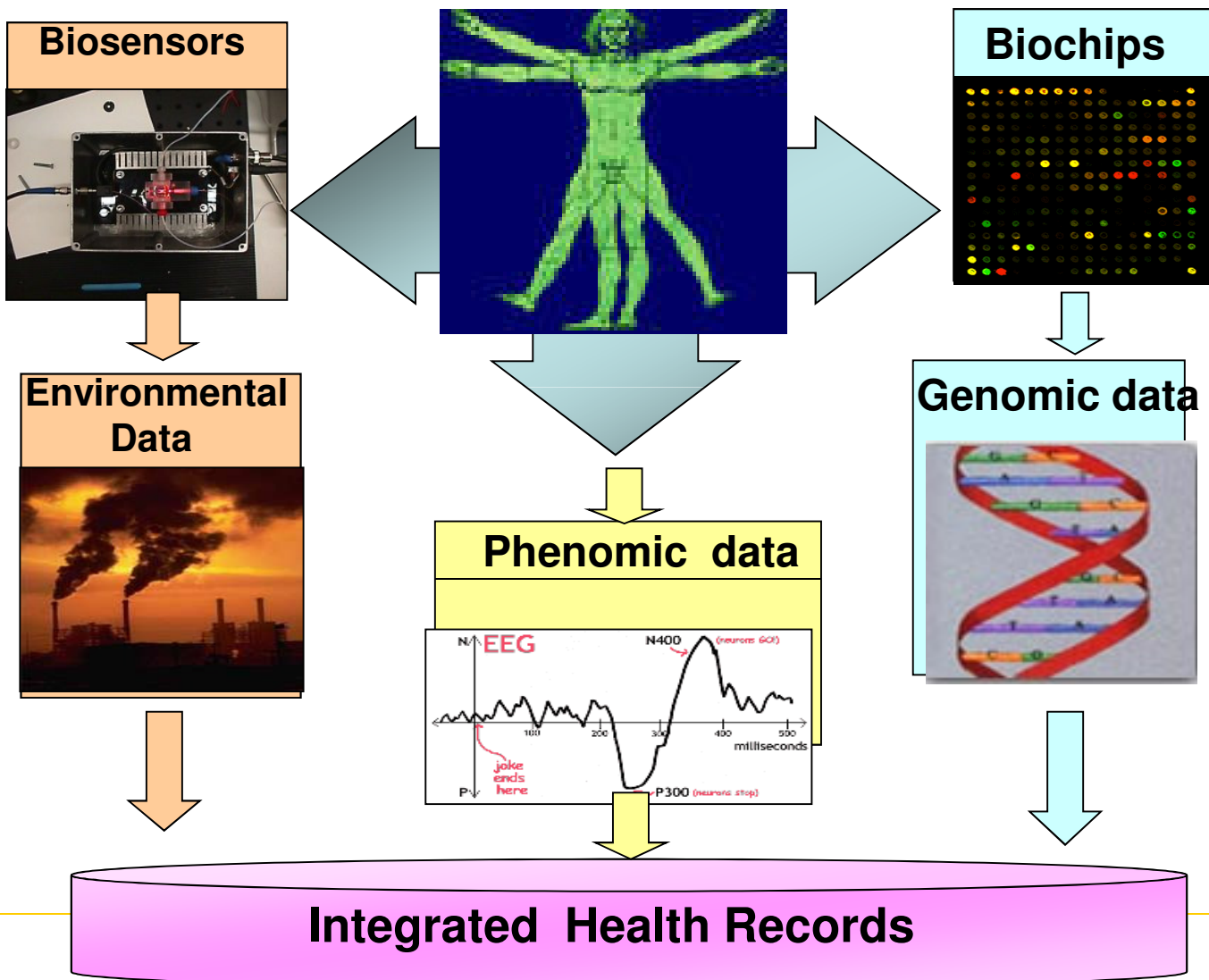
Health monitoring, access to health information





Step 3

Seeing the full picture of individual's health status



- **Interactive TV:**

- Remote care at home
- Easy to use interface
- Patient education (through personalised videos)
- Feedback and motivational messages
- Supporting doctor-patient interaction

- Example: MOTIVA by PHILIPS



Source: Philips

<http://www.medical.philips.com/main/products/telemonitoring/products/motiva/>



PHS:

Wearable, portable and daily life items in the hands of the users

The MyHeart system for closed-loop management of Heart Failure

- Patient self management: taking measurements at home, morning and night
- Detect trends in measurements prior to medical events
- Early prediction of patient “decompensation”

T-shirt



Respiration
ECG
Activity

Smart Bed



ECG
Pressure
•Heart Rate
•Respiration Rate
•Activity

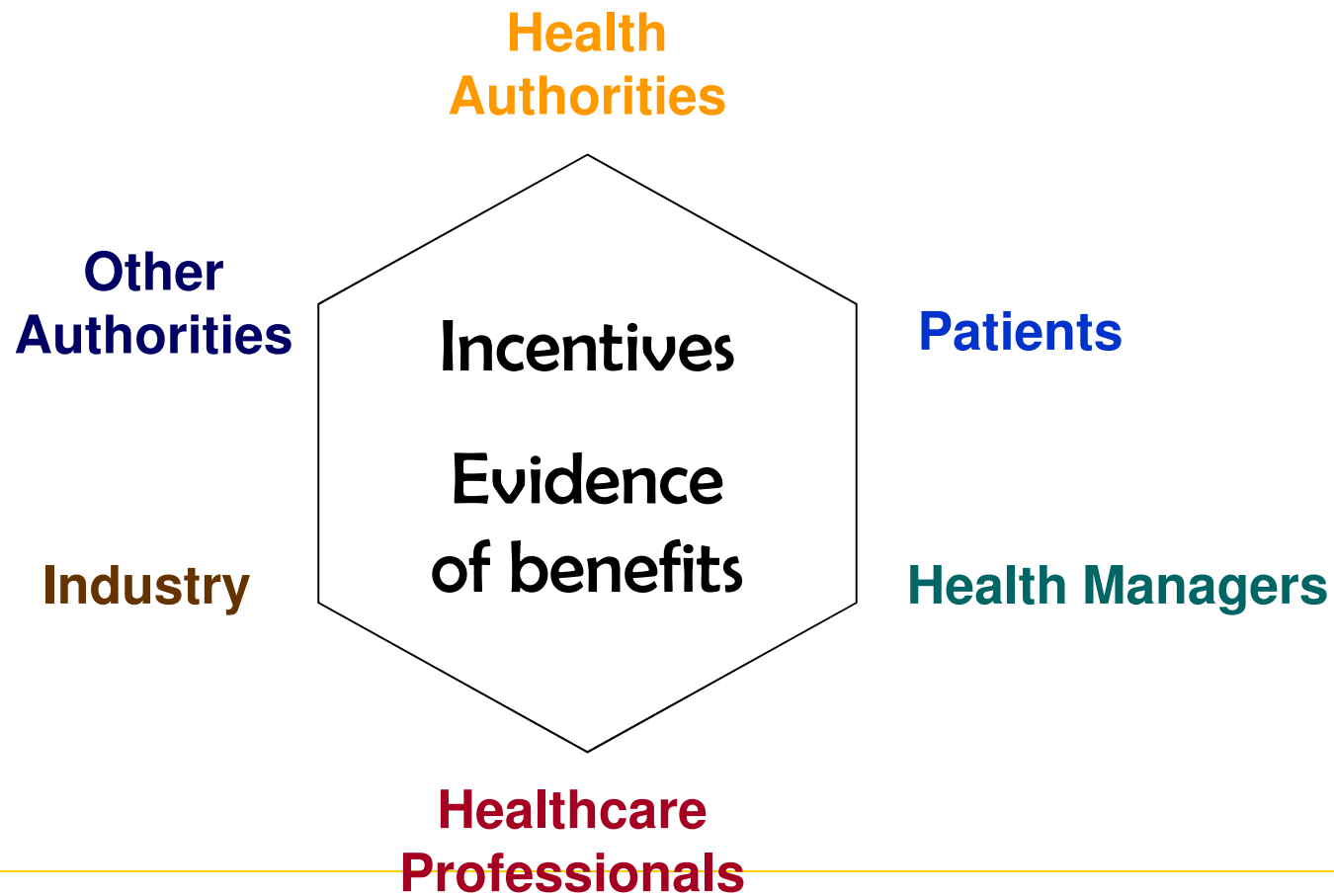
Reference

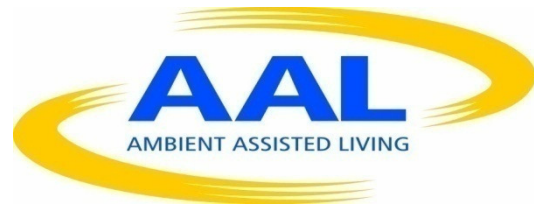


Weight
Blood Pressure
Implant
•ECG
•Activity



What can make these stakeholders to come around a table?





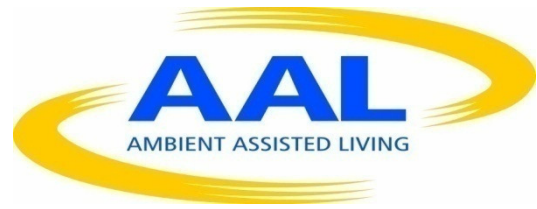
Community Building

- www.aalforum.com



Fully dedicated online tool for the programme community

- Outstanding **ideas**
- **Events**
- **Forum**
- **Tracks and sessions**
- Direct interaction with the whole community
- **News**
- **Blog** posting
- **B2B discussions**



Facts and Figures

- **900** registered members continuously increasing
- **Press material**
- **Briefings** from the politics
- A comprehensive variety of profiles **interacting everyday**
- **Videos** and
- **Photographs**

