Be Part of It: participating in European e-Inclusion activities

Committee of the Regions
Session 07A19 Digital Inclusion
7 October 2008, Brussels
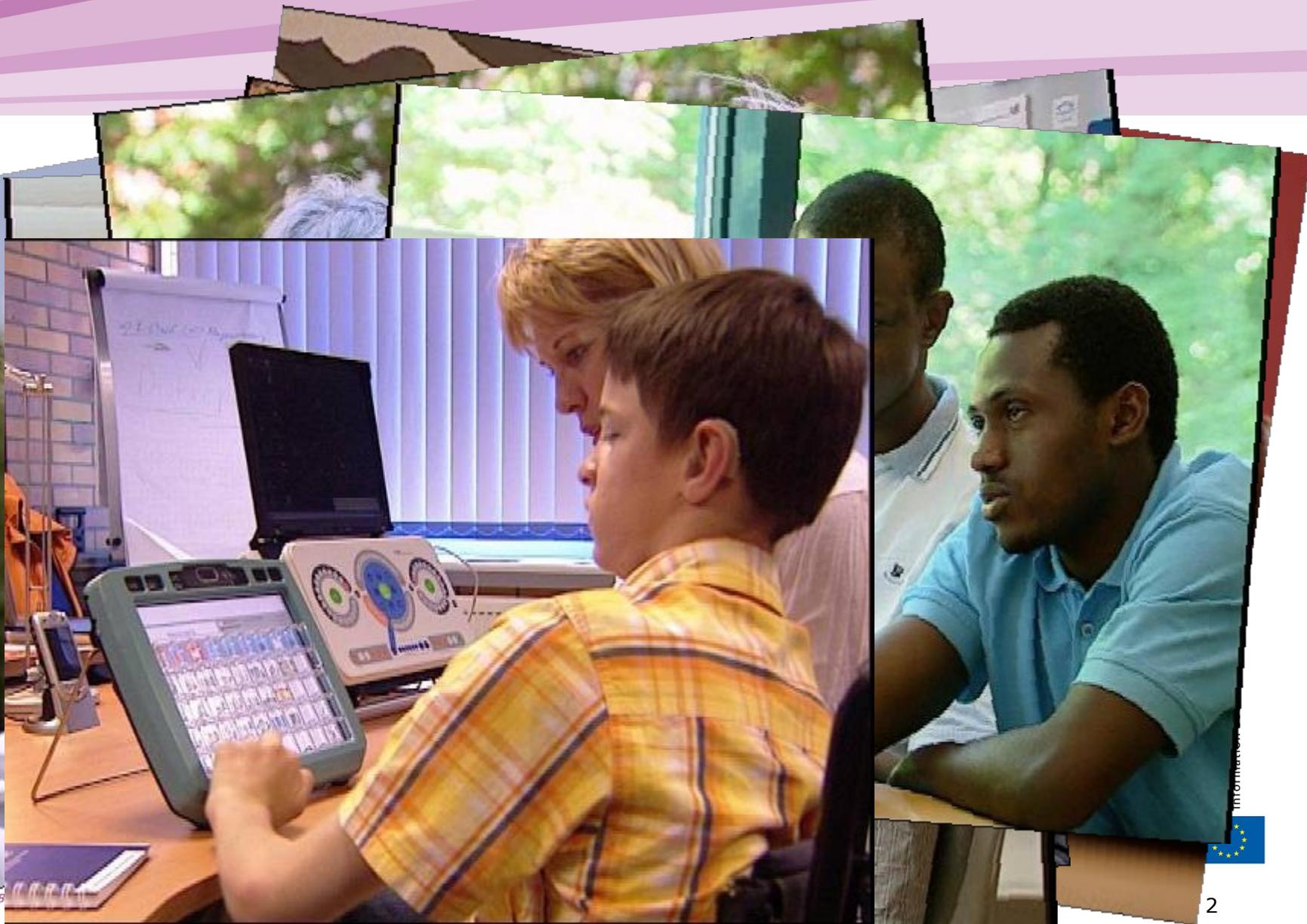*Paul Timmers*
Head of Unit, ICT for Inclusion
European Commission

ICT for Inclusion and Inclusive ICT

Why e-Inclusion?

- Social justice / quality of life

- Efficiency / cost concerns

- Economic opportunity

Recent Policy context

- July 2006 Riga Ministerial Declaration

- June 2007 **Action Plan Ageing well in the information society**

- June 2007 **Ambient Assisted Living research programme (AAL)**

- Nov 2007 **e-Inclusion policy - <u>European e-Inclusion Initiative</u>**

e-inclusion
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Ageing well: 4-point action plan

- Raise awareness, common understanding
  - Best practice exchange, awards, conferences

- Create the right conditions – remove barriers
  - Stakeholder groups, studies, benchmarking

- Accelerate investment and take-up
  - CIP, Innovative public procurement, Regional Funds

- Prepare for future - research and innovation
  - FP7 and AAL Programmes

EU e-Inclusion Policy
European e-Inclusion Initiative

- The new e-Inclusion policy: strengthen action now
  - too little progress since 'Riga 2006'
  - e-Inclusion matters

⇒ Raise awareness and commitment:
  - E-Inclusion campaign during all of 2008
  - Ministerial Conference, 30 Nov- 2 Dec 2008, Vienna
  - E-Inclusion European Award: nearly 500 entries

⇒ Enable – Accelerate – Integrate
  - Broadband; e-accessibility; digital literacy
  - Ageing well; inclusive e-services; marginalised groups
  - Cooperation; benchmarking

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- Austrian government, EC, French Presidency
- Ministers, Commissioners
- Top-level industry, NGOs, 1200 delegates
- Full Conference + Exhibition + Awards
- Addressing pressing themes:
  - e-accessibility, digital literacy, ageing well, social inclusion, economic opportunities
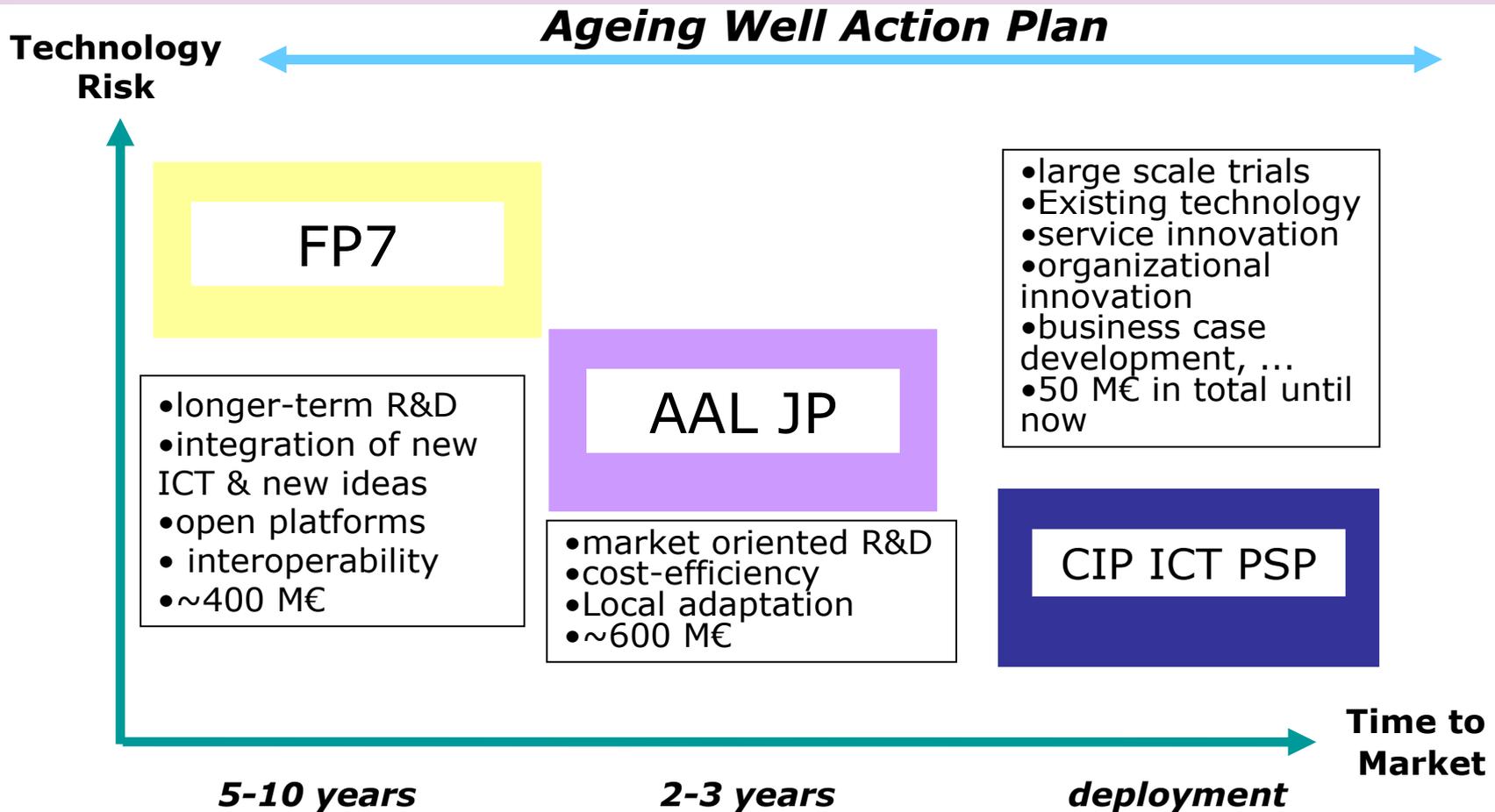- Successes, critical debate, commitment to action

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Opportunities for regions

Funded	Call open
FP7 Call 4	19 Nov 2008
AAL Call 2	15 Jan 2009
CIP ICT PSP	20 Jan 2009
Non-funded	**When**
Best practices (ePractice)	Continuous
Workshops • Immigrants & ethnic minorities	See our website 13 Nov 2008
Consultations	See our website
Vienna e-Inclusion Conf	30 Nov–2 Dec 2008

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Research & Innovation for e-Inclusion
A Comprehensive EU Approach

Ageing Well Action Plan

Technology Risk

FP7

- longer-term R&D
- integration of new ICT & new ideas
- open platforms
- interoperability
- ~400 M€

AAL JP

- market oriented R&D
- cost-efficiency
- Local adaptation
- ~600 M€

- large scale trials
- Existing technology
- service innovation
- organizational innovation
- business case development, ...
- 50 M€ in total until now

CIP ICT PSP

Time to Market

5-10 years   **2-3 years**   **deployment**

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EU R&D Support

Framework Programme 7 ICT research

Challenge 7: ICT & Ageing

- Advanced prototypes for independent living (Ambient Intelligence, Robotics)
- Open Systems, Reference Architectures
- Mainstreaming e-accessibility ('virtual user')
- Advanced assistive technologies (brain-computer interfacing)
- Roadmaps, standards, ethics, Int'l cooperation

Challenge 5: eHealth

- Personal health systems monitoring; point of care diagnostics
- Support actions: roadmaps, wireless use, interoperability

Selected FP6/FP7 Projects

	Project	Topic
IP	PERSONA SOPRANO OASIS Companiable MON-AMI	Open Platforms and tools for Ageing applications/services; Advanced integrated care service platforms; Ontology based interoperability for ageing applications; Intelligent robotic companion for safety and social support; Ambient Intelligence for independent living;
STREP	HERMES VITAL MIND ELDER GAMES I2HOME EASY-LINE+ SMILING SHARE-IT CONFIDENCE MPOWER	Cognitive care and guidance for active ageing; Advanced interactive mental training for elderly people; Improving cognitive skills of elderly people trough gaming; Innovative interaction with home appliances for all; Intelligent white goods for an ageing population; Support for mobility of an ageing population; Enhanced navigation with smart wheelchairs and walkers; Fall detection and protection for independent living; Service oriented architectures for independent living;
CSA-SA	AALIANCE CAPSIL SENIOR	European R&D coordination platform for Ageing Well; International R&D cooperation with US and Japan; Support Action on ICT and Ethics in Ageing domain

Other FP7 e-Inclusion Projects

	Project	Topic
IP	AEGIS HaptiMap TOBI	Mainstream e-accessibility, open accessibility framework, Haptic, Audio and Visual Interfaces for Maps and Location-Based Services,; Tools for Brain-Computer Interaction.
STREP	VAALID ACCESSIBLE BRAIN TREMOR HANDS UMSIC INCLUSO ComeIn REPLAY	Development of a 3D-Immersive Simulation Platform for CAD; Accessibility assessment simulation environment for new application design and development; BCIs with Rapid Automated Interfaces for Nonexperts; An ambulatory BCI tremor suppression system; Helping autism diagnosed young people navigate & develop socially; Usability of music for social inclusion of children; Social software for inclusion of marginalized young people; Online mobile communities to facilitate the social inclusion of marginalized young people. Gaming technology platform for social inclusion of MYP;
CSA-SA	MARE	Assistive technologies, market requirement, market barriers.

AAL Joint Programme

- New Joint Programme, 24 countries, market-oriented ICT applied research in Assisted Living
  - Total investment >€600m (2008-2013)
  - National contribution of at least €150m
  - EC contribution up to €150m
  - Co-funding by Industry and Research ~ 50%

- Complements longer term research in FP7 (€400m)

- Linking national programmes to EU research

- Focus 2008 on Telemonitoring, 2009 Social support

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EU Innovation Support in the CIP

ICT Policy Support Programme, Deployment pilots

1) Ageing well
- Independent and healthy living, chronic disease monitoring
- Daily living assistance … integrated health/social care

2) **e-Accessibility**
- Accessible Digital Television
- Total Conversation / Accessible '112'

o *High visibility, market driven*
o *Address fragmentation, interoperability*
o *User acceptance, cost-effectiveness*
o *Enable scaling up, investment*
o *Value chain cooperation*
o *Regional/rural/urban renewal*

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Regions have a particularly strong role – and they respond!

- Focal point for inclusive infrastructure and services
- Investment potential from regional funds and private sector
- Willingness to link inclusion and open innovation, to experiment
- Formulated policy positions (e.g. CoR April 2008, eris@)

- Plenty examples to share across Europe, see "Be Part of It" publications ! (ICT for healthy ageing and independent living, inclusive government, participation, literacy and skills, cultural integration, etc)

- *Challenges: to build the value chain partnerships, to invest, to take part in FP7, AAL, and CIP programmes, to measure and report, …*

Conclusions

- e-Inclusion has social and economic returns that we should not miss

- Regional actors should accelerate social and economic inclusion:

  - CIP pilots build on regional initiatives

  - AAL has strong local orientation

  - FP7 for regional research expertise

  - Best practices (+ e-Inclusion Awards): many regional

- Be part of it ! Contribute to the e-Inclusion Initiative