Workshop: Assistive Technology for Persons with Disabilities and Older People with Impaired Mobility

Christian Dayé, Gesa Hansen, Paul Panek

Conference

Ageing and Disability

Disabled people are ageing - ageing people are becoming disabled

June 8th to 9th, 2006, Graz, Austria

http://www.ageing-and-disability.com

Abstract:

Restricted mobility due to disability or old age is often caused by different factors. Not only the individual's physical situation but also fears and external factors in the living environment are playing a crucial role.

Assistive technology can significantly support older and disabled persons to overcome existing barriers; it can empower them to live their lives in a more autonomous way and thus lead to a higher quality of life. The European Commission has funded several technological research projects for developing new knowledge and products. This covers, among others, systems for supporting elderly car drivers, for prevention of falls, technical aids for persons with dementia, supportive toilets, continence management systems, criteria for supporting independent living at home and many more.

When developing technology for disabled and aged persons, they should be understood as experts who can contribute to the development process: their daily life experience, their primary knowledge about the problems related to disability or age, is an important resource.

The involvement of users right from the beginning thus leads to outcomes of higher quality and makes sure that research and development of assistive technologies take into account the actual needs and preferences of older people.

Better technology is urgently needed and appropriate new technology is accepted well if it is easy to use and tailored to the actual needs of daily life.

Accessible version of this document:

Due to technical reasons this document was optimised for producing printed handouts. An accessible version of the presented slides can be downloaded from http://www.fortec.tuwien.ac.at/reha.e/projects/frr/frr.html#s9. We apologize for any inconvenience this may cause.

Content:

Dr. Gesa Hansen, Scientific officer, European Commission, Directorate General Research, Brussels, Belgium.

- Impaired mobility in old age is multifactional: there are physical, environmental factors and psychological factors.
- Research and development of assistive technologies must take into account the needs and preferences of older people.
- Older People can contribute to research, providing vital knowledge.

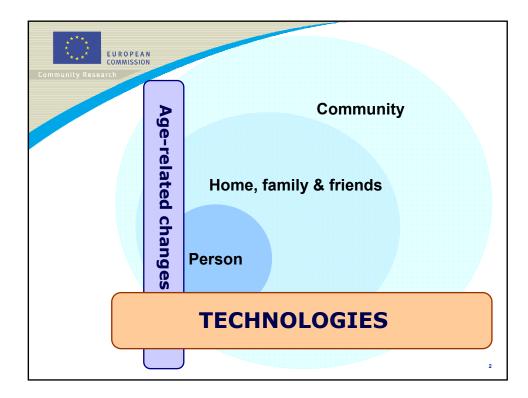
Paul Panek, Assistive Technology developer, fortec – Research Group on Rehabilitation Technology, Institute "integrated study", Vienna University of Technology, Vienna, Austria.

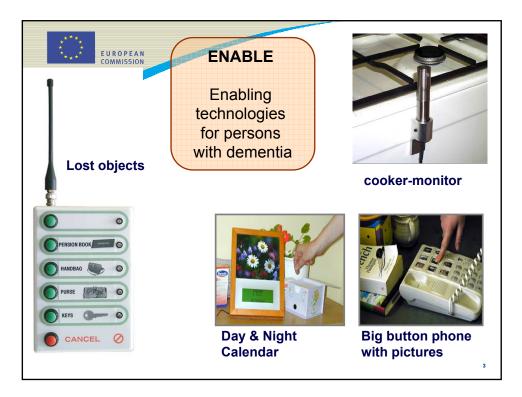
- Applying new technologies in the toilet room can be very helpful for older persons.
- Users were involved in the toilet development project right from the beginning.
- New Technology is accepted well if it is easy to use and tailored to the actual needs of daily life.

Christian Dayé, sociologist, EURAG - European Federation of Older Persons, General Secretariat, Graz, Austria.

- Better technology is urgently needed in many areas of daily life.
- User Involvement, the process of involving users into the process of developing a technical aid or a service, leads to outcomes of higher quality.
- Users should be understood as experts who can contribute to the development process: their daily life experiences are an important resource to projects concerned with Research & Technological Development.











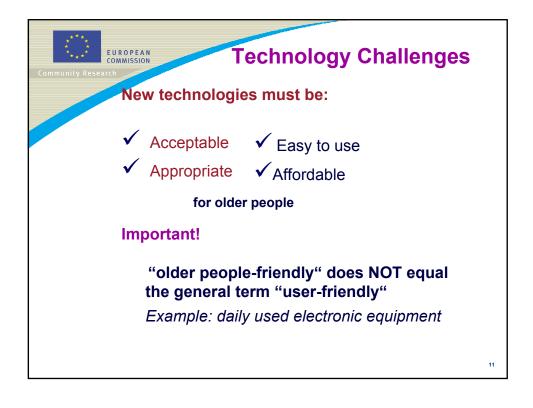






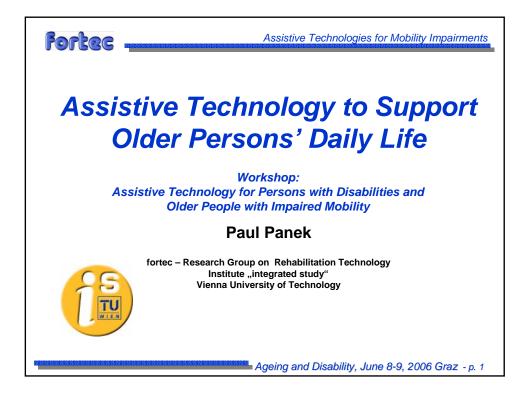








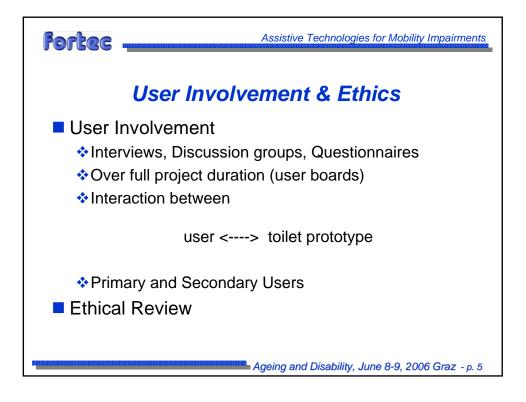




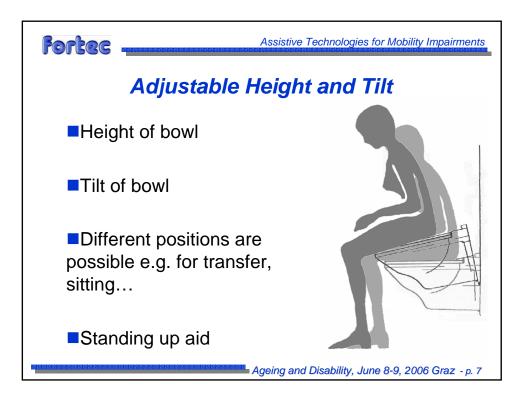






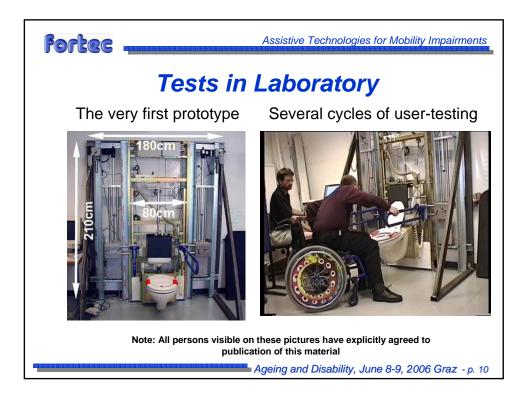










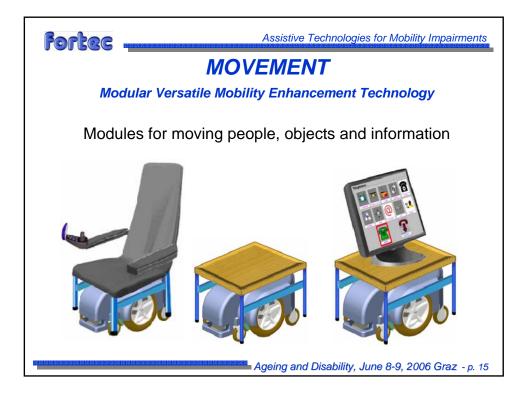




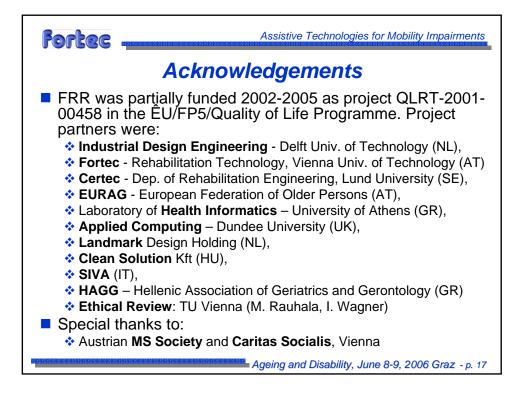






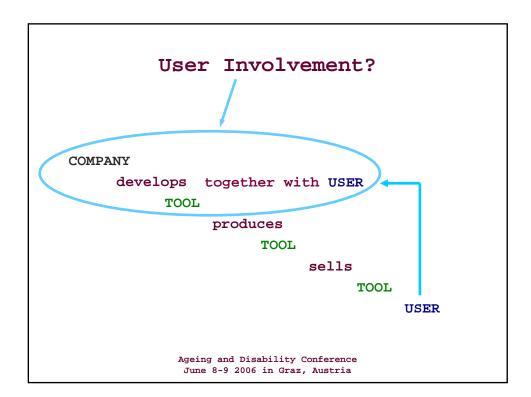






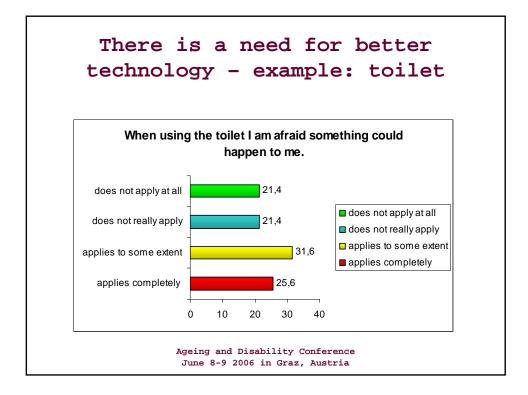


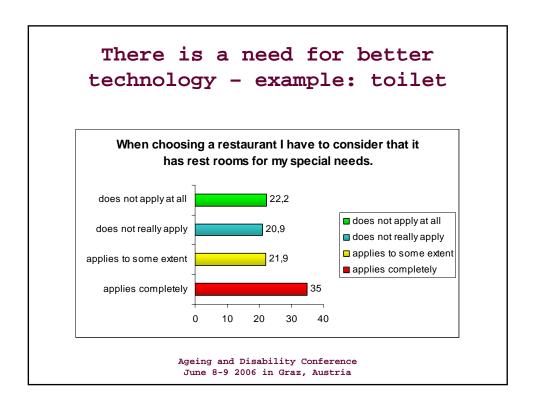




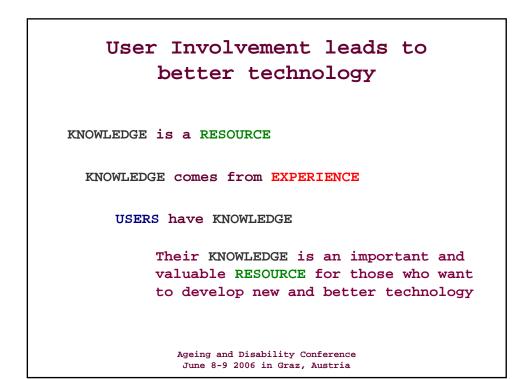
What	does that mean for the user?
USER:	not only CONSUMER of Assistive Technology, but also
	PART of the development team, because s/he is seen as:
	(Experience-based) EXPERT
	(H. M. Collins & Robert Evans, 2002)
	Ageing and Disability Conference June 8-9 2006 in Graz, Austria











_	ired for User vement?
COMPANY / RESEARCHER	USER / REPRESENTATIVES
To understand the value	To see that taking part
user involvement can	in research projects
bring to the outcome	contributes to the
of research and	development of better
development work	technology
To accept and integrate	To participate in or to
users as EXPERTS who	support UI projects
have something very	and to seek and
valuable to offer:	provide information
KNOWLEDGE based on	for persons
EXPERIENCE	interested in UI
	bility Conference in Graz, Austria

TH2	ANK YOU!
EURAG	fortec - Research Group
General Secretariat	on Rehabilitation Technology
Wielandgasse 9	Favoritenstrasse 11/029
8010 Graz	1040 Wien
Tel: 0316 814608	Tel: 01 58801 42913
office@eurag-europe.org	

Ageing and Disability Conference June 8-9 2006 in Graz, Austria