

Assistive technologies for People with Severe Disabilities

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Groupe des écoles
des télécommunications



REHABILITATION HOSPITAL
RAYMOND POINCARÉ OF GARCHES



Collaborations

AFM
French Muscular
Dystrophies Association

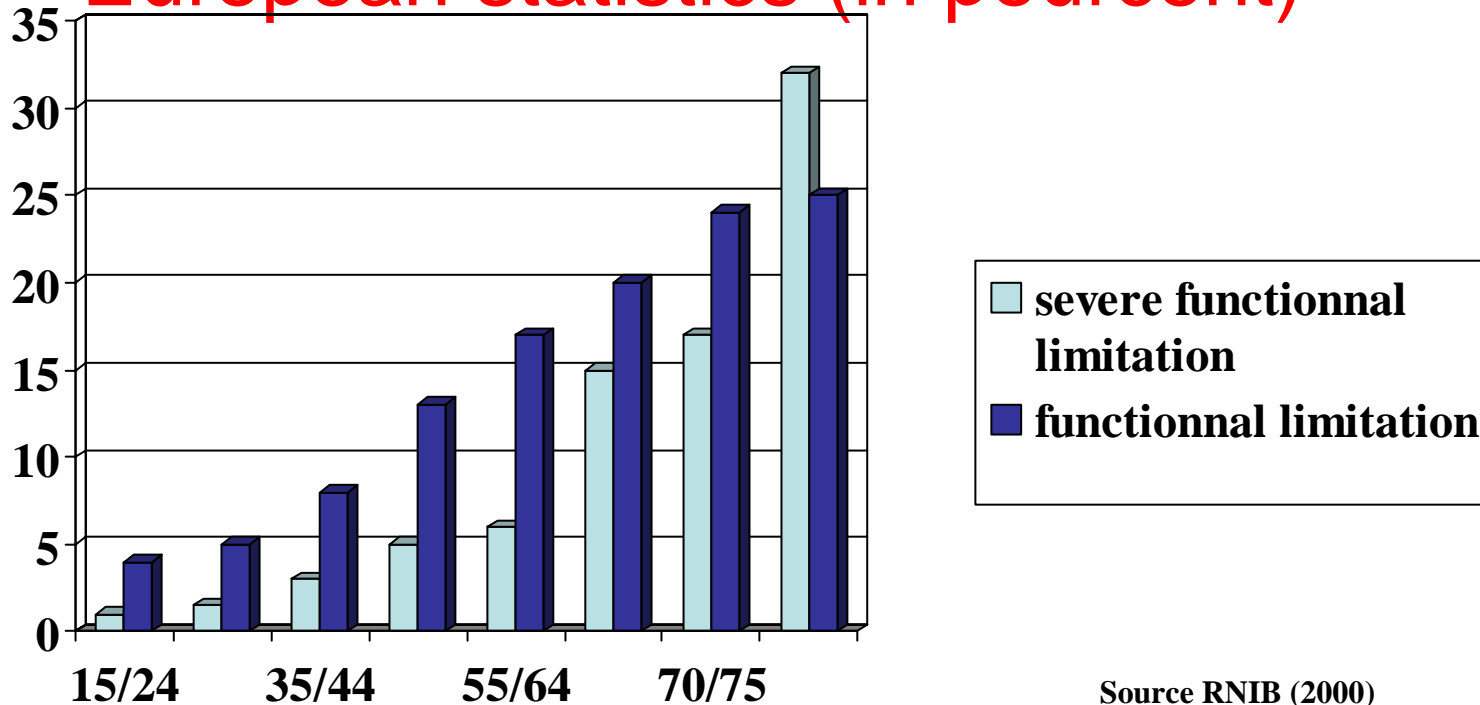
French-American
Foundation
Berck

Industrials
- Foundation LLR
- EDF



People with Disabilities in Europe

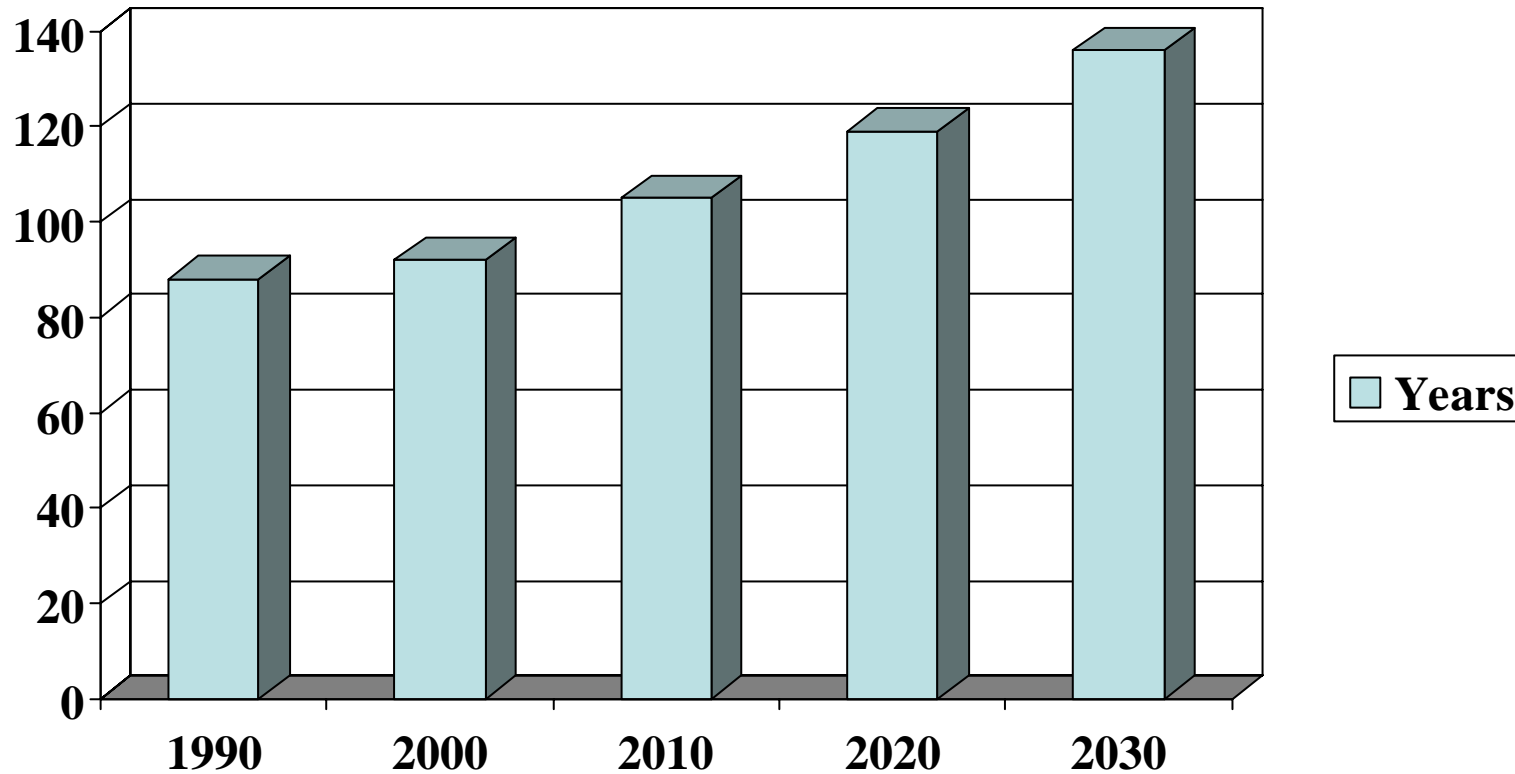
European statistics (in pourcent)





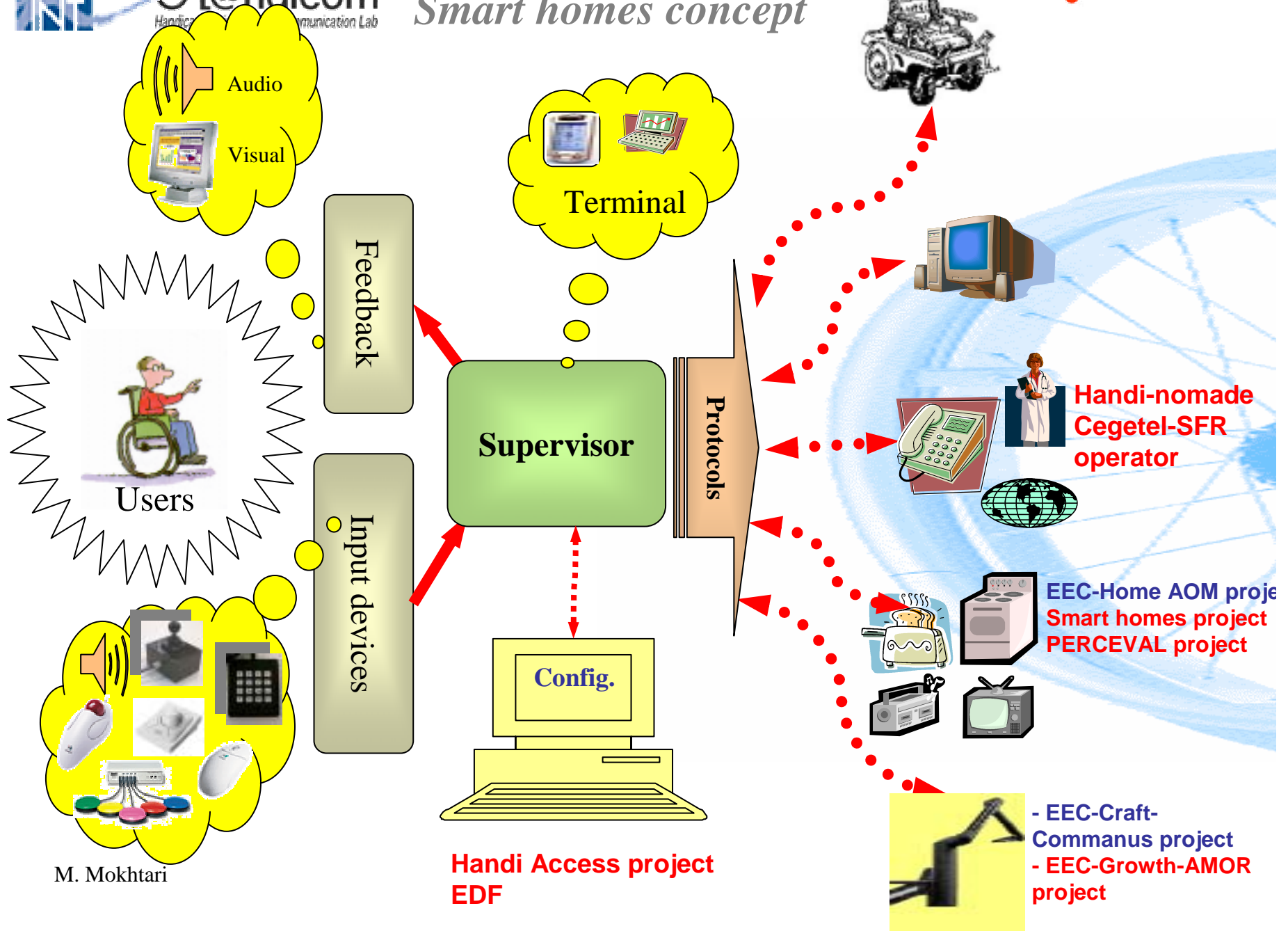
Elderly People in Europe

more than 65 years old (in millions)



Source RNIB (2000)

Smart homes concept



Handi Access project EDF



ICOST'2003

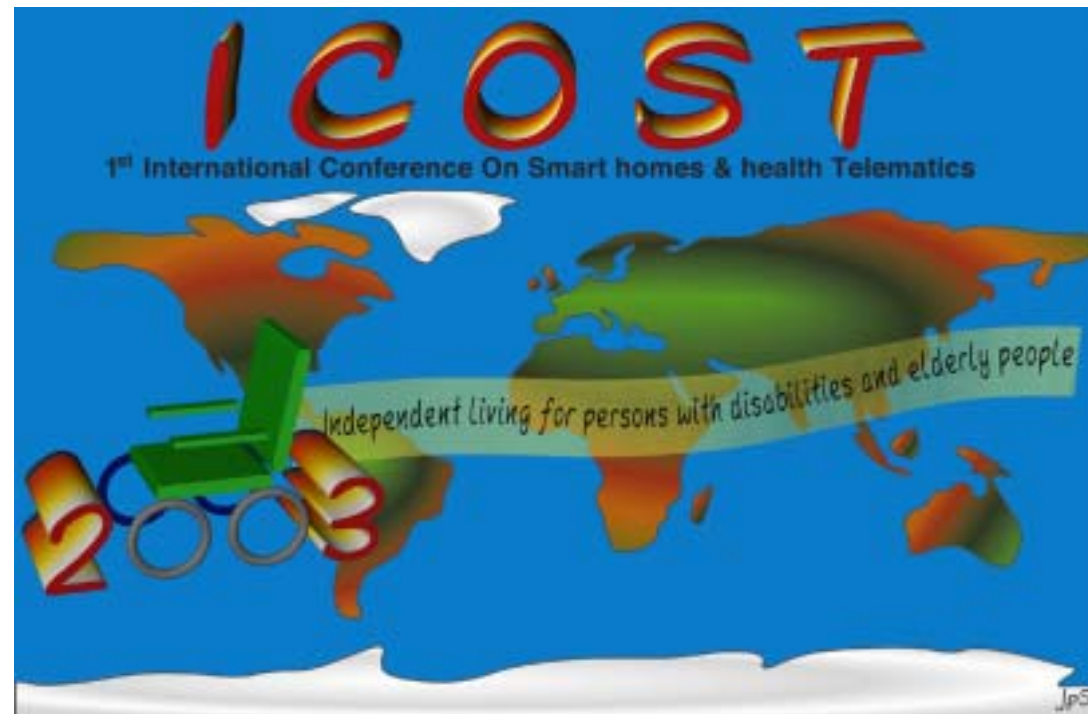
2003



The European Year of People with Disabilities

1st International Conference On Smart homes and health Telematics
« Independent living for people with disabilities and the elderly people »

Paris, 24th - 26th September, 2003



ICOST'2003

1st International Conference On Smart homes and health Telematics

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Technical topics of interest included:

- Intelligent environments
- Human-machine interface
- Networking and protocols
- Evaluation methods
- Tele-rehabilitation
- Tele-assistance and remote maintenance
- Data collection and processing
- Internet based designs
- Personal and service robotics
- Mobility and smart wheelchairs
- **90 participants**
- **11 countries (Asia, USA, Europe & South Africa)**
- **2 keynotes**
- **Oral presentations sessions**
- **Posters sessions**
- **6 Demonstration with users**
- **2 round table (Brain storming with users)**

2nd International Conference On Smart homes and health Telematics

Singapore, 15 – 17th September, 2004

Technical topics of interest include, but are not limited to:

- Intelligent environments / Smart homes
- Human-machine interface / Ambient Intelligence
- Middleware Support for Smart Homes and Health Telematics
- Tele-assistance and Tele-rehabilitation
- Modeling of Physical and conceptual Information in Intelligent Environment
- Context Awareness / Autonomous Computing
- Personal and service robotics / Smart Wheelchairs
- Home networks / Residential Gateways
- Social / privacy / Security Issues

***Papers submission deadline:
30th, April 2004***

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VISIT

Virtual Knowledge Based Network for Integrating Assistive Technologies

**Motor deficiencies
sub-network**

**Visual impairments
sub-network**

**International
Joint Research Program
Assistive technologies
R&D**

**Aging population
sub-network**

**Hearing impairments
sub-network**

**Cognitive/mental
disabilities
sub-network**