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Introduction and market opportunity

What's currently available

Food for thought

About the projects in practice



Accessibility

adjusting the device and the service experience

 to the hearing /speech/ vision/ mobility/ cognitive profile you have, or

to the environment surrounding you

Accessibility

the degree to which a product, device, service, or environment is accessible by as many people as possible.

often used to focus on people with disabilities and their rights

Two kinds of people live in a world

People who have disabilities

People who not yet have disabilities



Market Opportunity

- Elderly and aging: 800M persons 60+ years old
 - growing to 1.2B in 2025 (source UNESCO)
- Hearing impairment: 278M persons (source WHO)
- Vision impairment : 269M persons +45M blind (source WHO)
- Illiterate: 770M persons (source UNESCO)

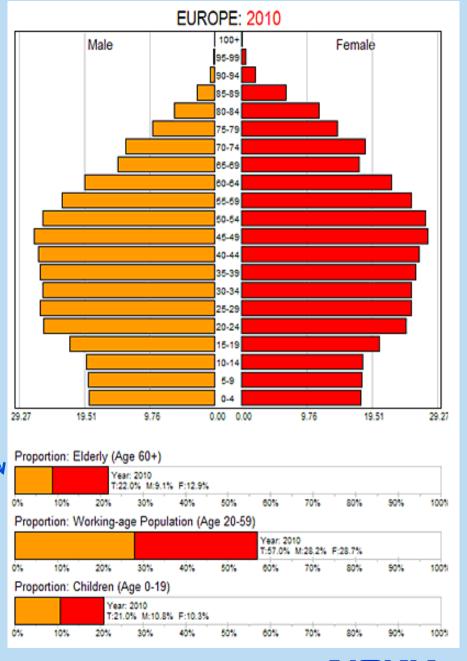


Europe is experiencing a dramatic process of population aging

Already now, there are more elderly (60+) than young (0-19) people

In 2010, approximately 27% of the world population will be over 45,

At the age of 45, the incidence of disability begins to increase significantly...





People with disabilities?



People with disabilities?









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Example: Applications for your vision





Screen Readers

- Mobile Speak and TALKS screen readers giving audio access to all device functions on Symbian devices
- VoiceOver on Apple iPhone, Orator on BalckBerry etc

Screen Magnifiers

- Mobile Magnifier and ZOOMS applications on Symbian devices
- Zoom feature on iPhone

DAISY players

 Mobile DAISY Player and DAISY2GO full-featured DAISY readers for mobile devices



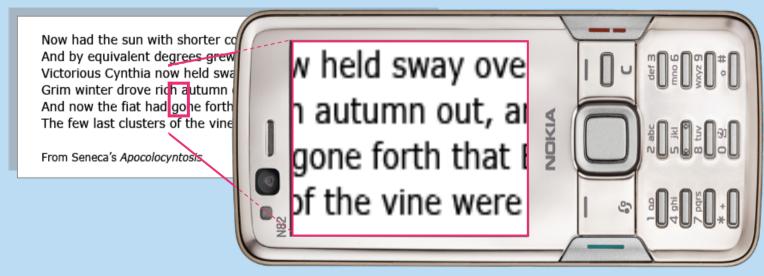




Example: Applications for your vision

Nokia Magnifier

- A "magnification glass" helping you to cope in your daily life; shopping, banking...
- Uses device camera to improve the readability of the "fine print"





Example: Applications for your vision

kReader Mobile

 Reads signs, meeting handouts, menus, bills, memo letters, etc. using camera technology

KReader Mobile by Knfb reading technology





MagniLink Go!

- Combined magnifying glass and reading device
- Capture a picture and send the text to your friends using SMS, MMS or E-mail.

MagniLink GO! by Low Vision International







Nokia Braille Reader

- Used for reading SMS messages with vibrating Braille
- Runs on the background where it waits until a message is received
- Converts the received message to
 6-dot Braille characters





Example: Applications for your personal safety



A personal safety tool to inform selected contacts about your place and status with a single click

- Status can be delivered over SMS/MMS/E-mail
- Smart SOS will silently capture images from your mobile camera to help identify your location.

Smart SOS by Enpronomics Solutions



More examples of existing solutions

- Light detector
- Color identifier
- Bank note identifier

Live demos

Color blindness test

Coming soon: your application!

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Ideas for project work...

1. Customers keep asking about...

- Smart ways of using vibration / haptics
 - Customizable alerts etc
- Games for
 - blind
 - people with cognitive disabilities

Ideas for project work...

2. Improve the existing application - they aren't perfect

Use cases, user experience, marketing approach

3. Build on some existing enabler, like

- Optical readers
- Screen readers
- Voice recognition
- Local connectivity
- Maps and Location

For you? Your dad? Grandma? When driving/biking?

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The app can be on any platforms and technology

 We will use Google collaboration tools for info sharing within the team

(=> my teacher studies)

Draft team site – coming soon

Introduction

Links to more info

Calendar

Blog?

Team docs