Making Life Easier for Everyone through ICT

David Zanoletty García
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ONCE Foundation

(Non-profit)   **ONCE**   **Spanish Blind People Organization**

(Non-profit)   **Fundación ONCE**   **Umbrella organization for LEADING DISABILITY ORG in Spain**

Promote Social Inclusion & Improve Quality of Life of PwD

Training & **Employment** Programs (80,000+ jobs created since 1988)

Promote **Universal Accessibility** of places, products & services

fsc inserta   **ONCE Foundation's Headhunting Division 200,000 candidate database**

Since 1988, ONCE Foundation has supported **33,700 Universal Accessibility** projects worth **$2.1bn**

APPROACH: D4A, Universal Accessibility

Which Contexts?

Which Barriers?

Which users?

What are the Users' Needs and Preferences?

What ICT Solution will benefit the most users?

We analyse the
ACCESSIBILITY CHAIN

Booking + Airport access + Airport informations systems

Airport physical environment + Aircabin + Airport shuttle + Chain replication in the destiny
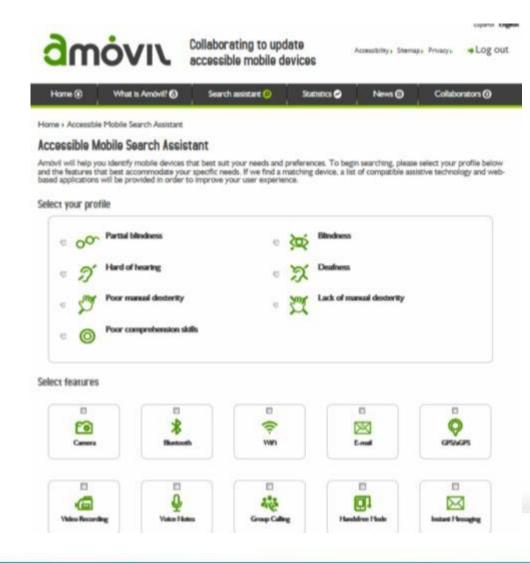
Helps persons with special needs identify accessible mobile devices that are compatible with available assistive technologies and that suit their preferences and needs

Making life easier for ALL USERS

Cloud4all: www.cloud4all.info

- Goal: Autoconfiguration of the user's interface using cloud technologies. Anywhere for any device
- Token
- 25 partners
- 4 years (2011-2015)
- Budget: 12,8M€

www.prosperity4all.eu

- **Goal**: Develop the infrastructure to allow a robust cross-platform spectrum of mainstream and assistive technology solutions.

- 24 partners. Led by Fraunhofer IAO

- 4 years (2014-2018)

- Budget: 12,5M€

Easy, independent, personalized & private access to ATMs

Deployed & running in 7,000 ATMs in Spain

One solution for MANY different users:

- **Low vision/blind**
- **Hard of hearing/deaf**
- **Dexterity/motor imp.**
- **Cognitive/intellectual dis.**
- **Elderly**
- **Not familiar with ICT**
- **Low ICT literacy**
- **With reading difficulties**
- **Non-native speakers/tourists**
- **Temporarily disabled**
- **Forgotten their reading glasses...**

Making life easier for ALL USERS

Accessibility chain

Booking + Airport access + Airport informations systems

Airport physical environment + Aircabin + Airport shuttle + Chain replication in the destiny

Innovative Changes in Air transport research for Universally designed Services: www.icarusproject.eu

- Goal: Improving access to air transportation for people with disabilities and older

- 2 years (2012-2014)

- 6 partners

- Budget: 750k€

One ON-BOARD solution for MANY different users:

- Low vision/blind
- Hard of hearing/deaf
- Dexterity/motor imp.
- Cognitive/intellectual dis.
- Elderly
- Not familiar with ICT
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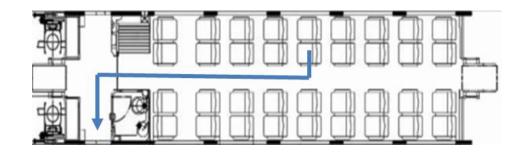**Making life easier for ALL USERS**

Smart Tourist Routes for Inclusive Groups

- Goal: Create 9 fully accessible itineraries respectively in Italy (Piedmonte), Spain (Ávila) and Bulgaria (Sozopol)
- 18 months
- 12 partners
- Budget: 250k€

Viacons

- Indoor navigation and positioning beacons
- Access and Interaction to nearby information
- Bluetooth LE activation on demand

Pasblue

- Automatic activation of traffic lights
- + 30k equipment installed
- LED and acoustic functions
- Activation user demand: Remote or bluetooth (smartphone).

> Energy saving

< Maintenance

< Noise pollution

Trend analysis

- The indicators for **Accessible Tourism**
- **Accesibility Observatories**
- **Technology innovation reports**

Manual sobre Turismo Accesible para Todos: Principios, herramientas y buenas prácticas

Módulo IV: Indicadores para el estudio de la accesibilidad en el turismo
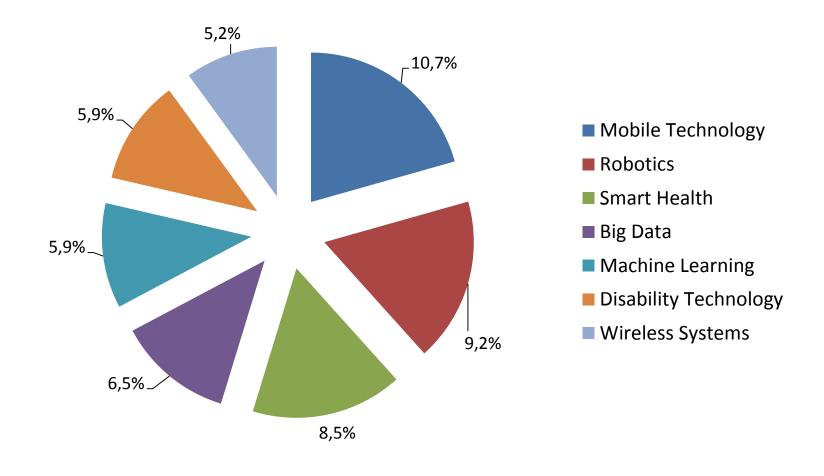
UNWTO PUBLICACIONES

Accesibility observatories

- Observatorio Accesibilidad Universal en Municipios 2011

- Observatorio Accesibilidad Universal en el Transporte Interurbano 2012

- Observatorio Accesibilidad Universal en la Vivienda 2013

- Observatorio Accesibilidad Universal de Turismo 2015: Fase I
- Observatorio Accesibilidad Universal de Turismo 2016: Fase II

Technology watch analysis

❑ Topic frecuency (n=6674)

Thanks!!

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