



Project co-funded by the European Union's
Competitiveness and Innovation Framework
Programme



Able to include software layer

Brussels, 14 February 2017

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Able to Include

- European project (CIP-PSP)
March 1st 2014 - March 31st 2017
- Improvement of living conditions of people with intellectual or developmental disabilities (IDD)
Using existing technologies
Creating an open-source, context aware accessibility layer
→ social inclusion !
- taking into account/based on wishes and needs of users

Needs and wishes of users, but

- not everything is possible (technically)
- not everything is allowed (legally)

3 NLP techniques

- Text → Speech
- Simplification
- Text ↔ Picto

Text → Speech (DU, EN, ES)

we are using local products, pronunciation sounding familiar

Simplification (EN and ES)

- lexical

automobile becomes car

- syntactic

splitting of sentences, passive to active, etc.

- *The man wearing a hat fell over a banana =>*

The man wears a hat. The man fell over a banana

- *The car was driven by a man => A man drove the car*

Text \leftrightarrow Picto (Du, EN, ES; Sclera, Beta)

- Adding pictographs to text, NOT replacing it
- Should make sentences easier to understand
- In se a language independent, other pictograph sets can be added



- All three techniques are available in the Able tools, via the accessibility layer (presentation after coffee break)
- Before that break some more general presentations about 'digital inclusion' and 'user involvement'.
- Furthermore, there are presentations concerning Kolumba, the Able e-mail client, and Able-chat, and the way the users are working with these tools
- Near the end of the session, there are two more shorter presentations concerning inclusion



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Thanks !