Creating speech recognition for all

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Some facts about Denmark

• Denmark is a monarchy and a modern democracy - Copenhagen is the capital
• Denmark has approximately 5,4 million inhabitants
• Denmark has one official language – Danish
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Why public funding?

• Only 5 million people speaks Danish
• Market forces did not develop speech recognition in Danish without public funding
• On that basis the Danish Government initiated a public-private partnership
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The Speech Application

- A speech recognition software, which gives the two main networks in Denmark the possibility to create live subtitling of TV programs
- A speech recognition software, to be sold to consumers on the Danish market. The software will integrate with your text editor and allow you to use your computer much more dynamically
- A speech recognition software package, to be integrated for e.g. the Parliamentary dictation system or used by the Police to “write” reports on the scene
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The interesting part

• Speech recognition is commonly known in many language – however not in many minority languages
• With this project we have created a Danish Speech Engine, which can be used in many different applications
• Public-private partnership between the Government, the two biggest networks, Prolog Development Center and Philips Speech Technologies
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The technique

Speech recognition

Acoustical model → Dictionary → Language model
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The future

• Speech recognition will be an integrated part of not only English versions, but also the Danish version of software applications
• People with disabilities will have new ways of using IT-solutions
• Everybody will have new ways of using IT-solutions
• Business can use speech recognition in creating more effective and dynamic solutions in their production
• Sweden, Norway and many other smaller countries are looking towards this project to copy the project
Empowering Your customers and employees with speech technologies

SpeechTEKI 2006
The Voice Solutions Showcase

Thank You

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