understanding everywhere

Research and Innovation for Mobile Language Applications

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Upstream - downstream: From research to innovation

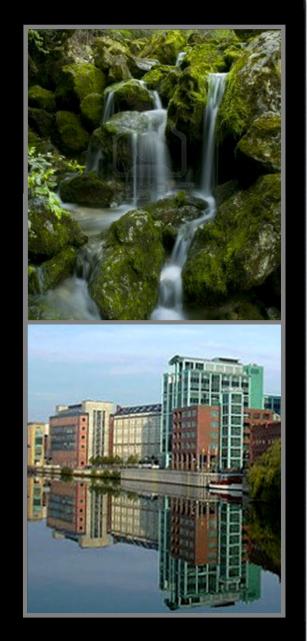
Sino-German Research Project

Compass2008 funded by both Chinese and
German governments: BMBF and MOST

2004-2008

In 2007 Yocoy was founded as 50th Spin-off company of DFKI (out of 62)

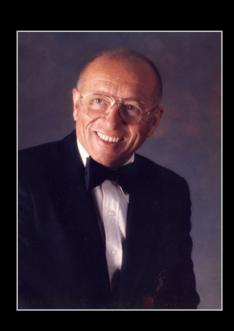
(DFKI - German Research Center for Artificial Intelligence)



Yocoy

Three Key Elements of Innovation according to Joseph F. Engelberger

- A recognized need
- Competent people with relevant technology
- **Financial support**



User need is there: Fieldtest in Beijing 2008









yocoy

mobile software combining travel guide, crosslingual communication, navigation and background knowledge resource











Travel

Guide





Phrase Book

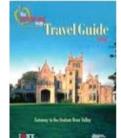


Digital Navigator

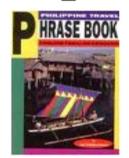




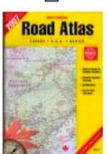




Phrase Book or Dictionary



Road Maps



The relevant technology is the right technology at the right time

Spinning-off results into the market bears a high risk:

When is the right time for the right technology?

Two factors:

Maturity of market

Maturity of technology

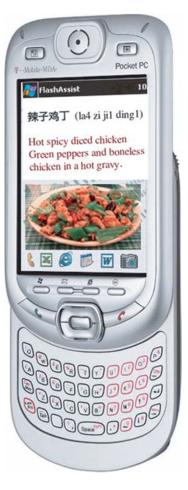




Upstream Technology: Research Prototype 2007

- -Web-based
- –server-based speech recognition
- –server-based free machine translation
- windows mobile devices



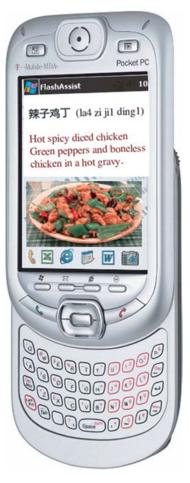


Upstream Technology: Research Prototype 2007

Major Problems

- roaming costs for foreigners
- speed and quality of ASR and machine translation
- uncomfortable hardware





Current Solutions

- Offline template translation
- Situation based dialogues
- Offline speech output
- Integration of communication and information
- mobile stand-alone apps for iPhone, iPad and iPod Touch





Today Yocoy has 23 Apps

- language guides
- **♦ travel guides**

in the AppStore



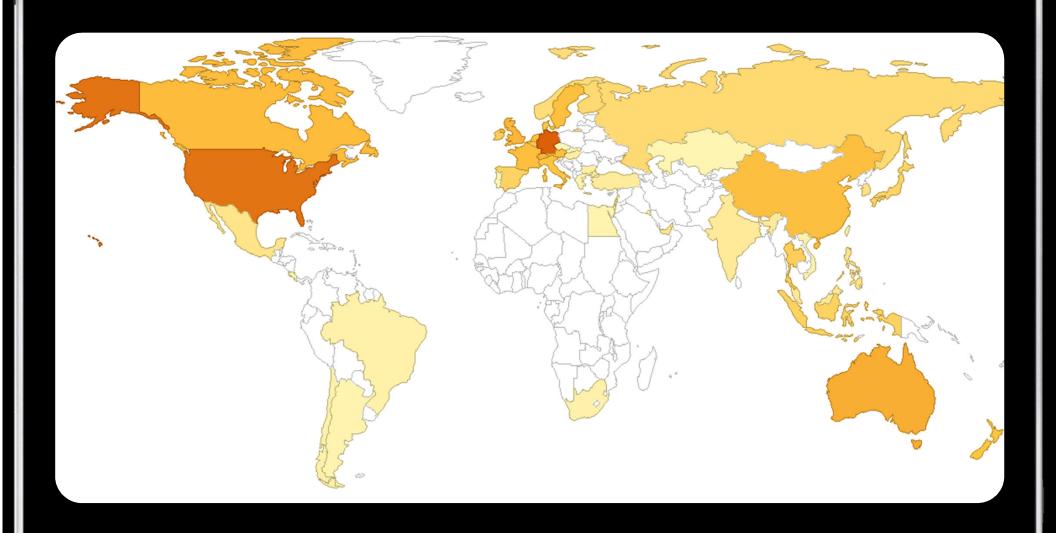


Long Stream from Research to Innovation

- There was no AppStore in 2007: Distribution impossible
- Apple AppStore was a great innovation driver for mobile software



Customers in more than 100 countries



Vocoy

But technology and market develop fast

Under Development and Testing:

- Situation-based speech input
- Semi-free translation



₩ Web – based applications for selected markets



Keep it flowing...

By participation in research programmes with DFKI and other partners, we keep the stream of innovation flowing





Vocoy

Thank you for your Attention!



谢谢您的关注。 xiè xie nín dì guān zhù



yochina is a comprehensive and user friendly application for travelers and business people in China



With yochina you can:

- talk with Chinese people in everyday situations
- ▼ find best restaurants and many other POIs
- Ilearn how to behave in China and communicate with your Chinese business partners
- learn relevant facts and history about China



Dialogues with Chinese people

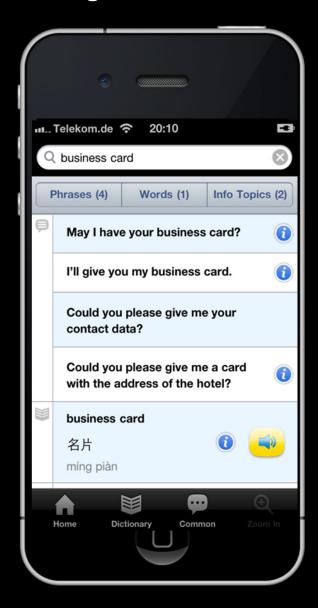








Intelligent search



The semantic search help you to find:

- words
- phrases and sentences
- general topics and recommendations
- travel and culture information



Photo phrases



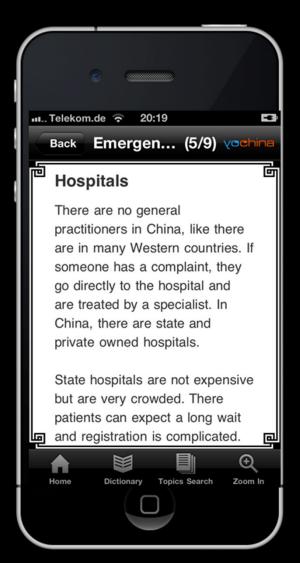
The integration of your personal photo album into phrases allows you to describe things without using words.



Travel and culture guide, suggestions and hints for many situations









Long Stream from Research to Innovation

- Today the AppStore is like a huge department store
- Marketing remains a problem
- It must happen inside and outside the store ...
 - SEO, SMO, SEM ..



