



E- Learning and VoIP

How Skype can revolutionize the interactive E- Learning

INSA de Lyon - SEME - Pekka Makkonen

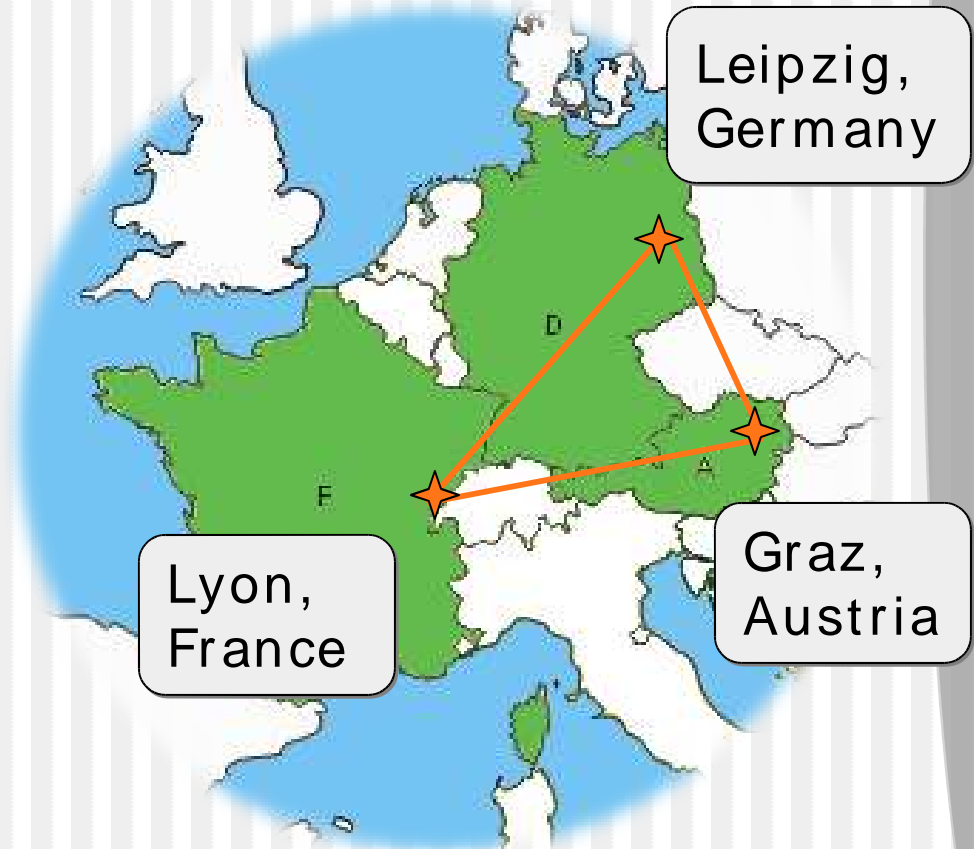
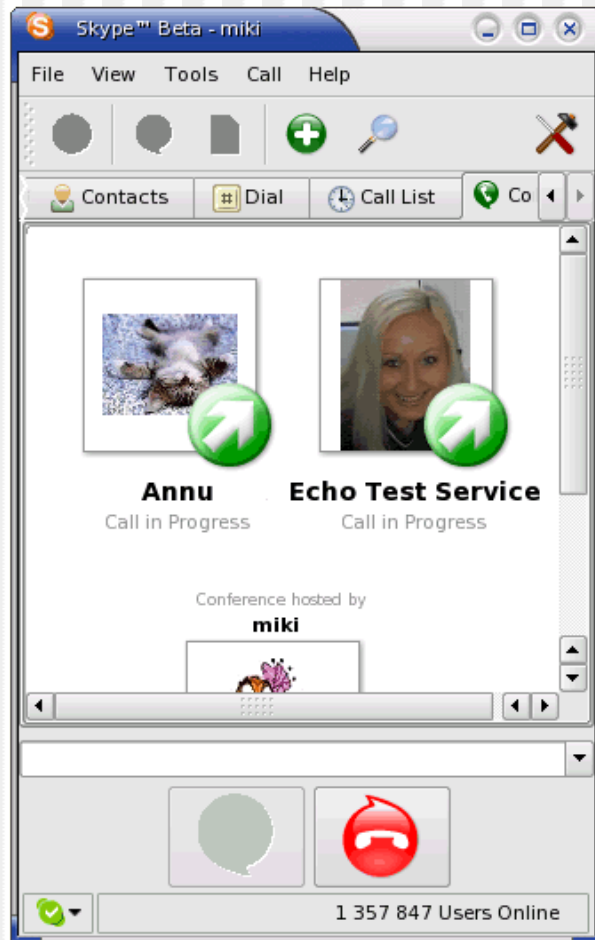
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What's Skype?

- Free Voice- over- IP Software
- Peer- to- Peer technology
- Multi- OS (Windows, Mac OS, Linux)
- Free Internet- calls
- Conference functionality
- File Transfer
- POTS calls (SkypeOut, charged)
- Programming API (Windows)

Conference Call Demo



Visions for using Skype

- International video- conferencing for educational purposes
- Cross cultural projects
 - Virtual students exchange
- Consult experts
 - Skype profile search
- Educationally or theme- based peer- to- peer networks

According to Ben Williamson,
EducationGuardian.co.uk

Thursday November 13, 2003

Language Training

- Language courses

Example: Russian courses

- On-line tutor
- Individual lessons or “virtual classes”
- http://www.training-classes.com/course_hierarchy/courses/6062_Russian_lessons_via_Skype.php

- Language tandems

Practise foreign languages with native speakers

<http://www.jyve.com/>

Languages

Practice a new language with other fluent Skype users.

Newest Member

 **JyveID:** [abdelhakim](#)
Male, 22
Name: Abdelhakim
Location: Morocco

Fluent Language: French(10/10)
Want to Practise: English(7/10)

[see more...](#) 

Learning Approaches

- **Multiple usages in learning environments**

Interactive Quiz => Behaviorism

Virtual classrooms => Objectivism

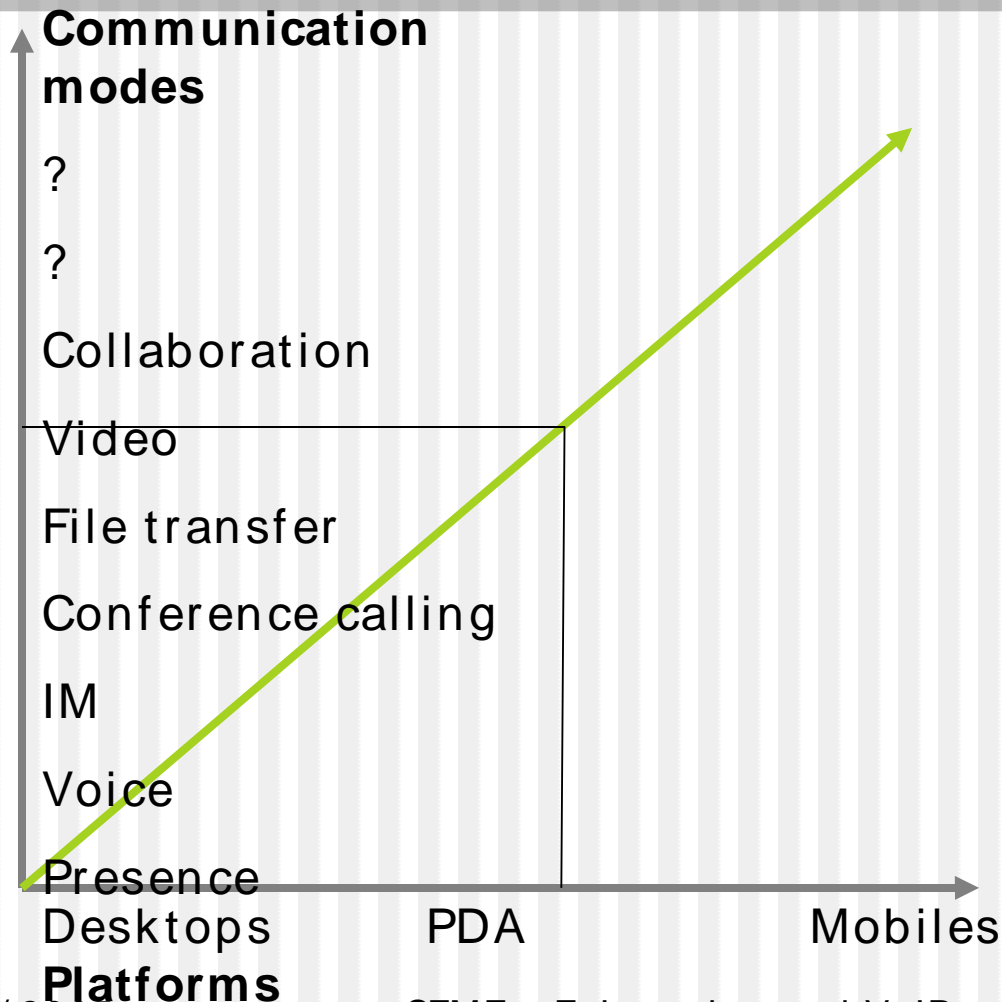
Distributed Discussions => Cognitivism

Theme- Based networks => Constructivism

- **Skypes acts as...**

Computer- assisted instruction middleware

Skype's Future



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Next step: Video Conference



Technical Criticism

- Closed Source project
- Proprietary network protocols
- No guaranties (best effort service)
- Dubious distributor (KaZaA)
- Resource sharing
- No cooperate use possible

Conclusion

- Interesting approach for distributed e- learning
- Extends existing frameworks but cannot replace them
- Acts only as middleware between teacher/ learners

Any Questions?

Sources

- <http://www.skype.com>
- <http://en.wikipedia.org/wiki/Skype>
- <http://education.guardian.co.uk/elearning/story/0,10577,1083575,00.html>
- <http://www.apple.com/chde/macosx/tiger/ichat.html>

- **Niklas Zennström, Skyper Presentation:**
http://www.idate.org/jii04/bio04/actes/SKYPE_Niklas_ZENNSTROM.ppt

- <http://www.uem-online.org/html2/hotels/images/map-europe.gif>