# Principles and realization of interactive TV-based learning process

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# Presentation overview

- Background

- Principles for realization of an e-learning process by means of interactive digital TV

- Realization of the interactive TV-based learning process

- T-learning case studies

- Strategies for language learning through iTV and iTV in combination with a mobile communication technology

# Background

- The next/current era of the television – Digital TV

- Interactive digital TV (iTV)

- From 'edutainment' to interactive, structured and engaged learning with iTV

- Current developments of the interactive TV-based learning (or t-learning) approach

# Principles for realization of an e-learning process by means of iTV technology

- Flexibility and efficiency of use
- Accessibility
- Interactivity - *"Turning passive viewers into active learners"*
- Principles for development and presentation of the learning content
- Learner control and access
- Facilities for learner communication
- Adaptation and adherence to the standards
- Help and documentation

# Principles for development and presentation of the learning content

- Principles for including media elements
- Principles for including proven practice examples
- Principles for creating online practice exercises
- Delivery of learning content in bit-size chunks
- Principles for building problem solving skills and curiosity-led learning
- Quality and diversity of learning content
- Search and provide information about sources of t-learning
- Learning content on demand

# Realization of the t-learning process



Communication space - iTV

Learning process services

Learning content (repository)

Users (viewers)
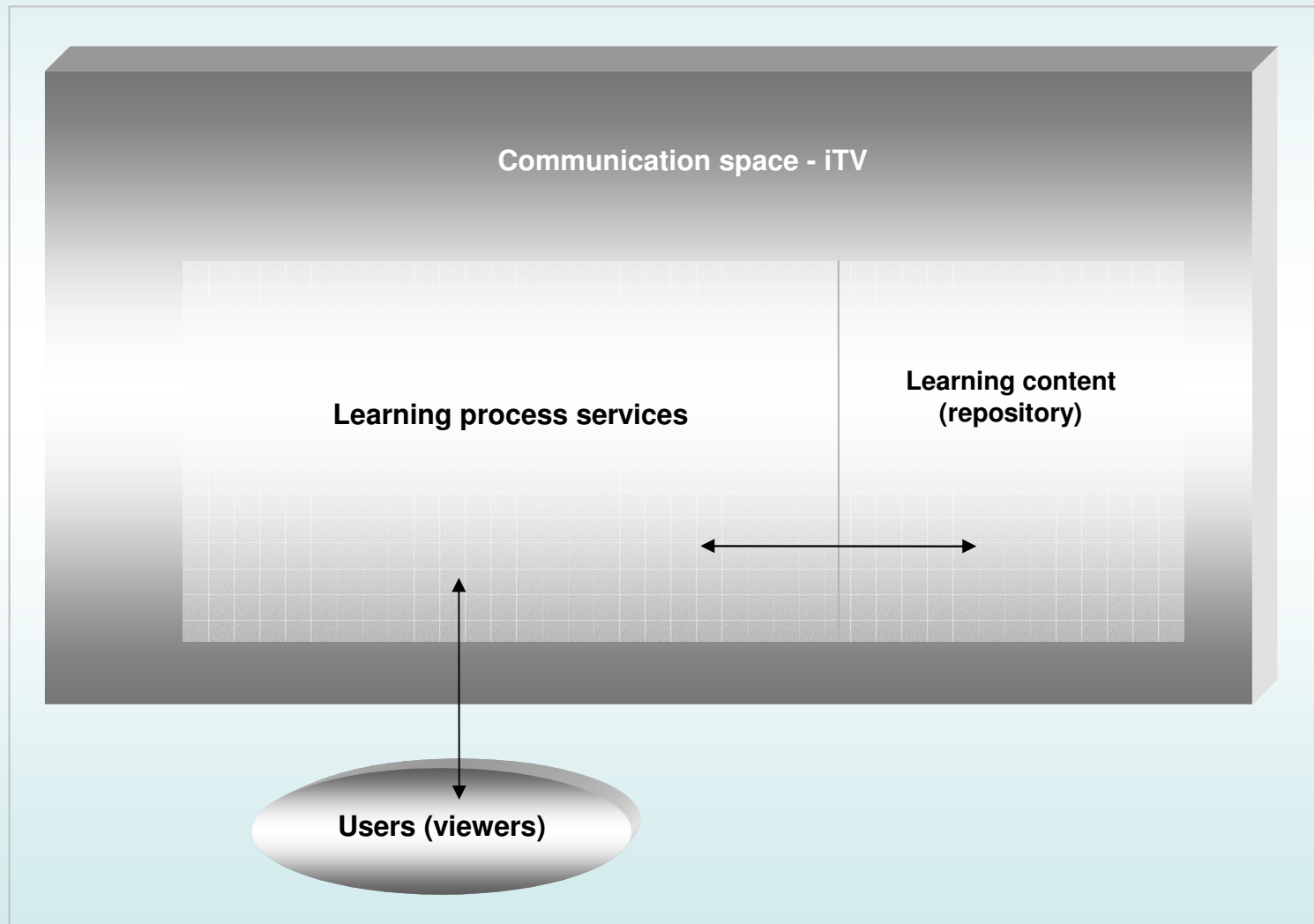
Budapest, 09-10.06.2005

# T-learning case studies
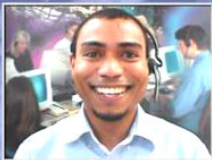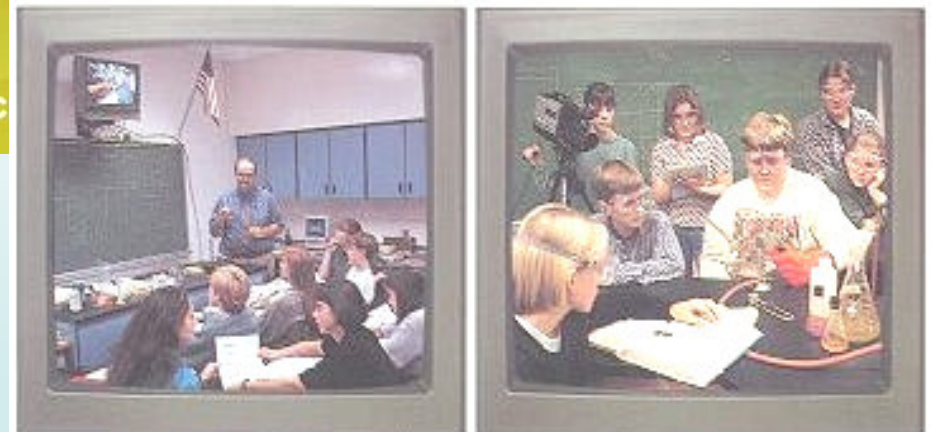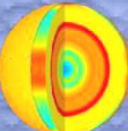
# Strategy for language learning through iTV



|                  | Written language | Spoken Language |
|------------------|------------------|-----------------|
| **comprehension** | Reading          | Listening       |
| **production**    | Writing          | Speaking        |

# Strategy for language learning through iTV and a mobile communication technology