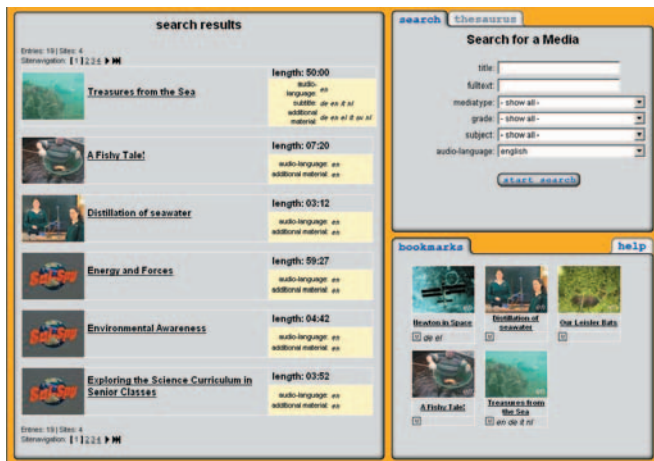


eduMEDIASERVICE

Video On Demand Services powered by Autonomy's Rich Media Applications



The EDUCATION HIGHWAY Innovation Center for School and New Technology (EDUHI) was founded in 1986. Since 2000, EDUHI has operated as an independent, non-profit research and development institution in the field of ICT and education. EDUHI maintains the Upper Austrian school network (<http://www.eduhi.at>) as well as the Austrian Web Server for schools (<http://www.schule.at>). This platform is now the biggest educational portal with more than 55,000 e-content resources for learning and teaching.



The EDUCATION HIGHWAY team provides a vitally important interface between pedagogy and technology; an interface that conveys interlinked items of information and provides an insight into the multifaceted world of knowledge transmission by means of digital media.

The Video-on-Demand-Software eduMEDIASERVICE is a new R&D project offered by EDUCATION HIGHWAY in cooperation with X-Art. X-ART is the European competence center for Autonomy's rich media applications.... It facilitates the administration of extensive media archives in the education field, and enables the use of the full range of didactical possibilities which digital media can offer.

Features offered by the eduMEDIASERVICE:

A series of working demonstrators provide a full range of didactical information suitable to each educational medium including learning aims, background information, additional materials, links and the speaker's text. Viewers of educational films offered within this new service now have the ability to read and search a written transcript of the spoken commentary.

Information: Short description of the content of the video

Transcript: Automatic generation of the speaker's text through "speech-to-text" recognition. Subtitles are also provided when the transcript is connected with a time-code.

Key frames: Offers special navigation through the video and automatically sets segments on user-defined characters (such as words, pan shots or symbols)

Videoclips: Thematic sequencing of the video

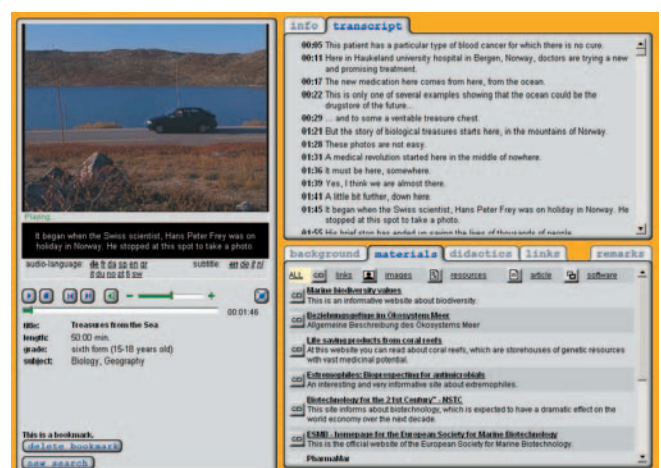
Background: Background information which relates to the topic of the video. This is especially intended for teachers

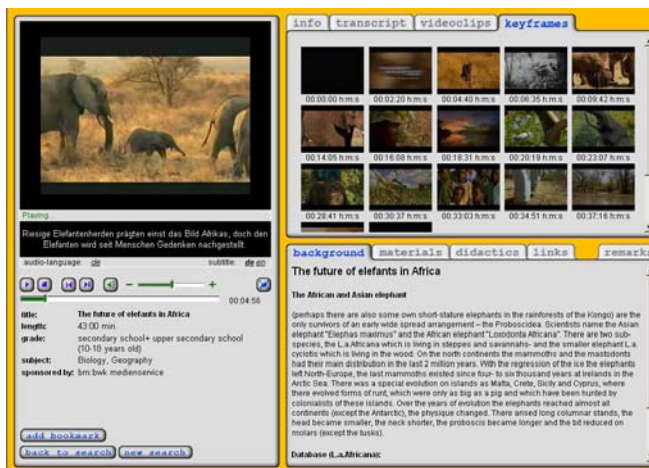
Materials: Further links and web resources relating to the topic of the video

Links (Search): Automatic hyperlink generation to conceptually relevant sites across a range of different data types

Didactics: Didactical hints and pedagogical advice for using the video in the classroom

Remarks: Online tickler for writing notes while watching the video





The Media-on-Demand service offers a unique multilingual capability that is adaptable for any language. The "translation tool" enables the user to translate videos into the required language easily. The didactic materials and the speaker's transcript can be implemented and edited online.

The Video-on-Demand Software is fully compatible with Internet Explorer 6 and above, Windows Media Player 9, any good graphic card (at least 32 MB) and a broadband internet connection (DSL-768/128).

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The DRM system (digital rights management) and user management system ensures a high level of security at all times.

Mag Knierzinger, CEO of EDUHI, is delighted to offer this comment: "Autonomy's IDOL was introduced to us by X-ART. We were overwhelmed by the features that the technology can give us. It automates our operations on unstructured information and provides automatic hyperlinking to relevant sites suitable to the topic of the video content."

EduMEDIASERVICE provides both teachers and pupils with access to a wealth of information. Moreover, the high level of interactivity that the system offers empowers students to become fully active and encourages them to find information and material for themselves. "Self-regulated" learning gives students the ability to control the flow of information with management controls such as "stop" and "pause" facilitating more effective and efficient learning.

Self-regulated learning significantly enriches the education experience and has been shown to increase students' social skills, methodical competence and sense of responsibility.

