



Up2University

The logo for Up2University, featuring the letters 'UP' in a large, bold, black font. To the right of 'UP' is a vertical stack of two orange squares. The top square contains the number '2' and the bottom square contains the letter 'U', both in white.

eTwinning Thematic Conference “ Learning to think in a digital World”
Introducing Up2U and learn more about the platform

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Up2University



- An Innovative Ecosystem is developed - based on experience of higher education
- Bridging the "Gap" between Secondary schools and Higher Education & Research
- It introduces new technologies and methodologies in high school related to those already in use at Universities
- It integrates new learning and education scenarios

Up2University Goals

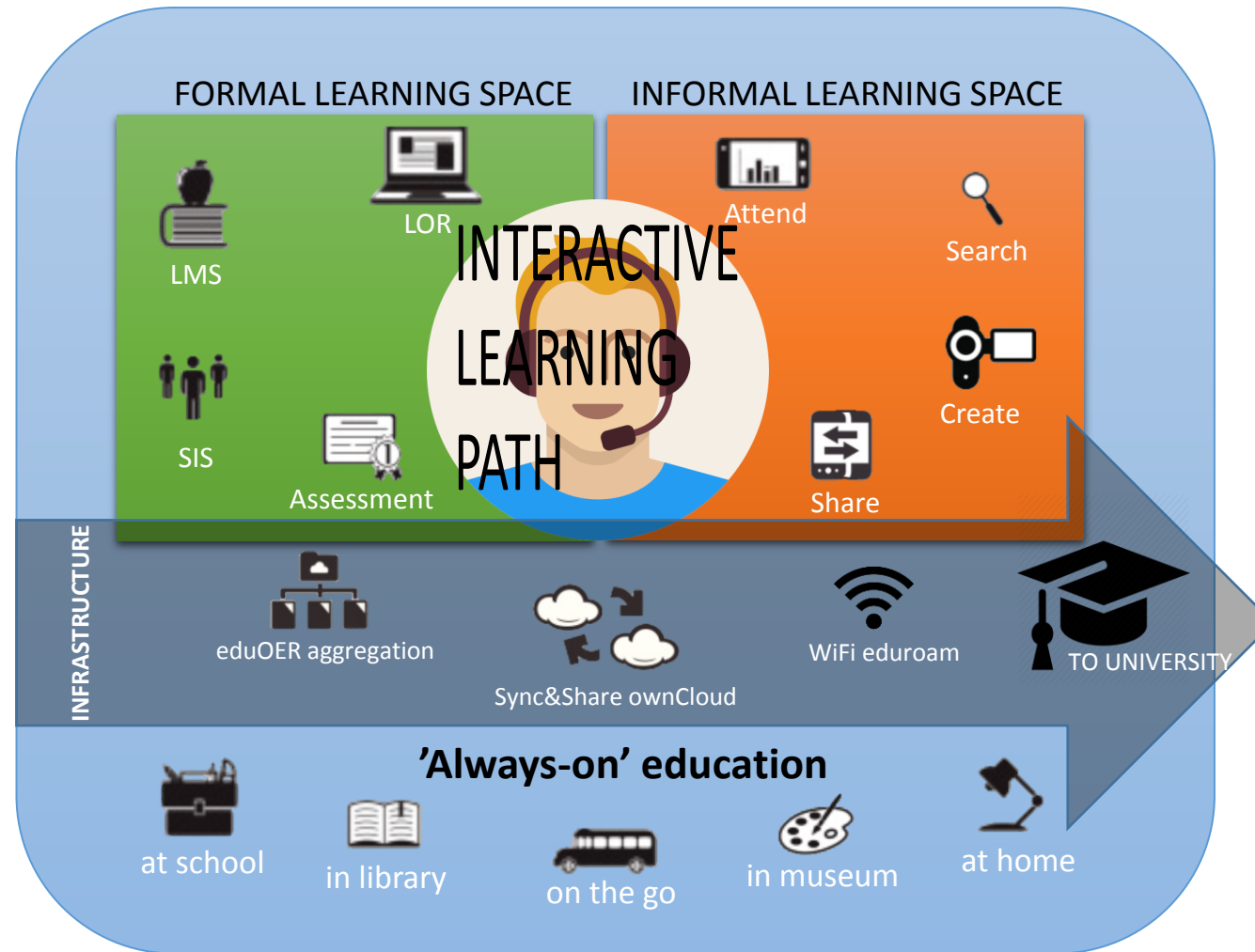


- Design and development of a flexible, integrated tool platform
- Use of public and private clouds technology and services
- Community education for the proposed teaching environment
- Pilot implementation of infrastructure and integrated platform
- Establish an effective sustainability and exploitation framework

Up2University Partners



Up2U Ecosystem



Up2U Tools



- **Moodle** – *An Open Source Learning Management System under GNU*
- **SeLCont** – Synchronized e-Learning Content
- **EduOER** – Edu Open Education Resources – *Metadata Aggregation Hub & Portal Service*
- **PuMuKit** – *A Powerful Open Source Video Platform*
- **CommonSpaces** – co-learning and e-mentoring Community of Practice
- **Jupyter Notebook** – *An Open Source Web Application to create and share documents including live code*
- **OwnCloud** – *A self-hosted file sync and share server*



Introducing SeLCont:

Toolkit for On-line Multimedia Lectures

Synchronized Video, Audio, Transparencies, Screenshots

SeLCont is a tool to complement asynchronous e-Learning;
it does not aim to replace live lectures and off-line reference material

About SeLCont



- **On-line Storage of** multimedia synchronized content (lectures, courses)
- **On-line Lectures include:**
 - Video
 - Slides (PowerPoint/PDF)
 - Internet screenshots (Browsing)
 - Annotations on slides
- **Benefits to the presenter:**
 - Use of **standard** equipment in most lecture halls (web camera, sound system, projector)
 - Instructor laptop with pre-installed SeLCont time-stamp recorder (**simple application**)
 - **Minimal** video post-processing (optional)
 - On-line storage: **Simple** web-page using pre-formatted form, with links to slides and video service e.g. YouTube
- **Benefit to the end-user (e.g. student):**
 - Retrieval as a URL link in web browser, **no need for any add-on**
 - Transparent adjustment to **any** device (smart phones, tablets, laptops, desktops)

Synchronization Process in three Steps

1st Step:

Lecture delivery & recording:

- recording of lecture
- video assisted by material of synchronized screenshots
- timestamps stored in a **SeLCont** generated file

2nd Step:

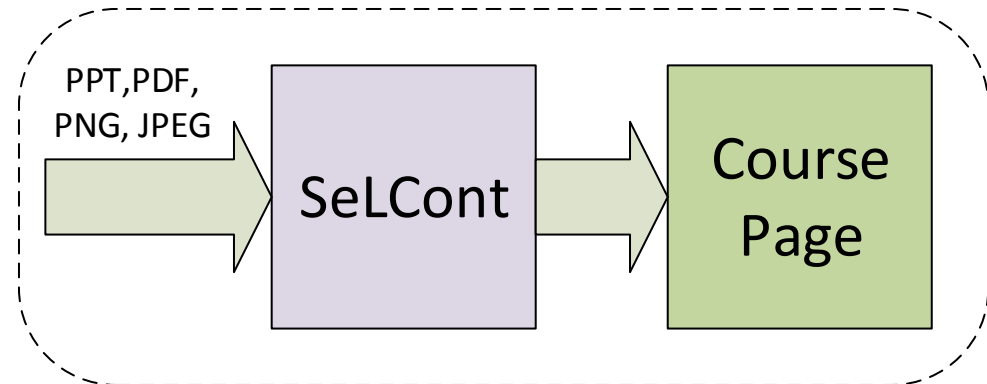
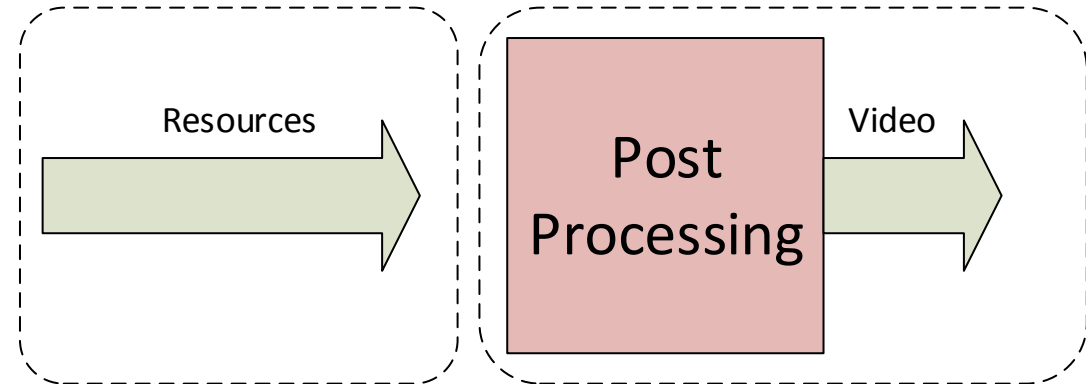
Post-processing:

- fine-tuning of video – timestamped content
- simple video editing (optional)

3rd Step:

Publishing of final result:

- filling pre-formatted web form
- uploading in a web server & a video service provider (e.g. YouTube)



SeLCont Lecture Web-page



Demo Lecture

This is a demo lecture.

The screenshot shows a web page for a demo lecture. On the left is a video player with the UP2U logo and a play button. To the right is a slide titled 'SeLCont Synchronized e-Learning Content' with the UP2U logo. Below the video player are four thumbnails of slides. At the bottom right, there is text: 'Antonis Vekris', 'E-Twinning Up2University Workshop', and 'Διαφάνειες'.

Technical Highlights

HTML5: HTML5 video player (JWPlayer)

JavaScript: Using jQuery

Responsive: Bootstrap framework

Synchronization: Automatic or user controlled via thumbnails associated with screenshots below video sub-frame

Thank you!