

Rich-video Recording & Management for OpenEdX

Vicente Goyanes / vgoya@teltek.es

TELTEK Video Research – CEO

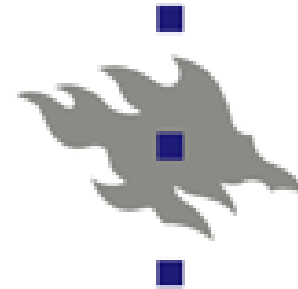


About TELTEK

- EdTech Company born at University of Vigo (Spain)
- Open video solutions for teaching & learning:
 - Lecture capture and streaming.
 - MOOC-video production and MOOC platforms



Worldwide Customers



UNIVERSITY OF HELSINKI



UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

ual: university
of the arts
london



The University of Manchester



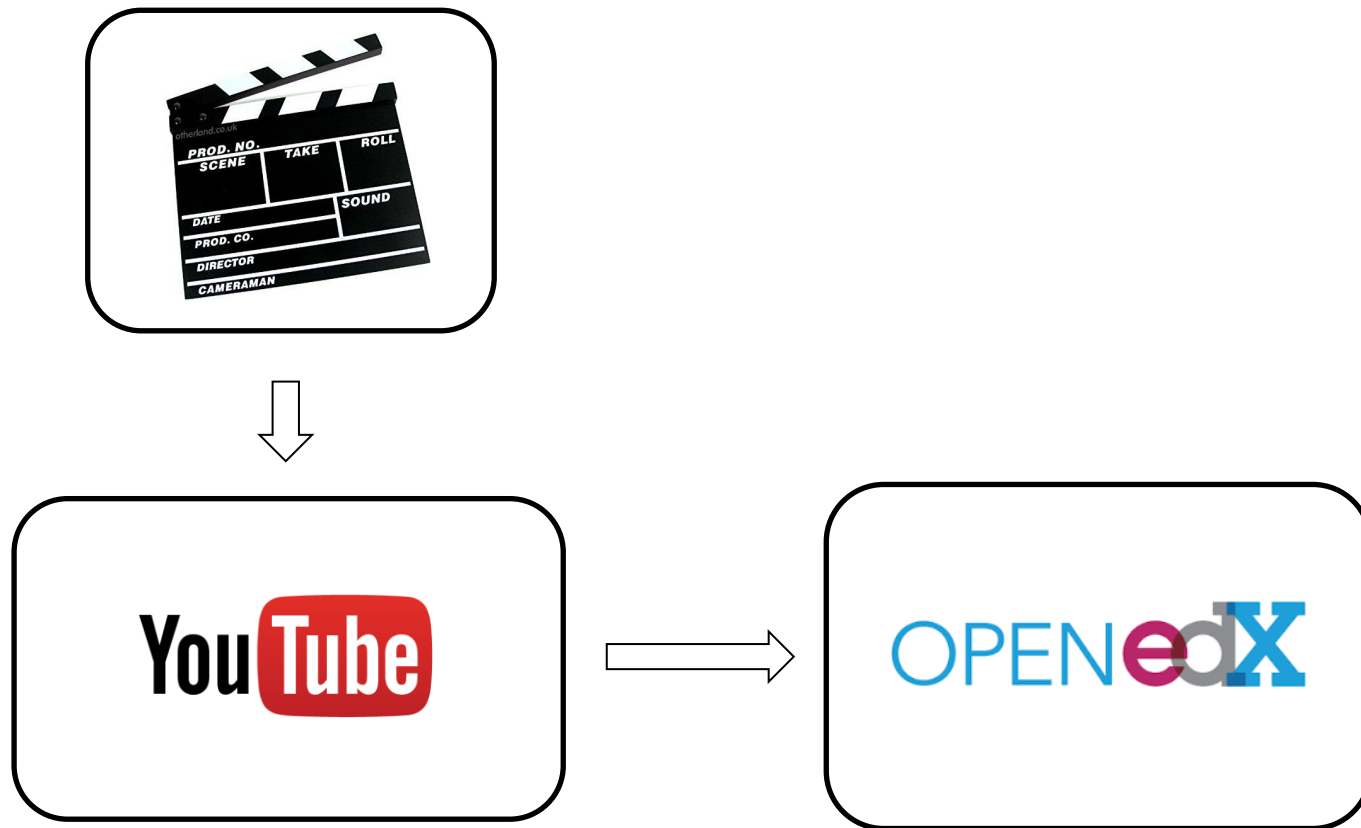
HARVARD
UNIVERSITY



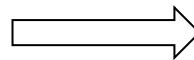
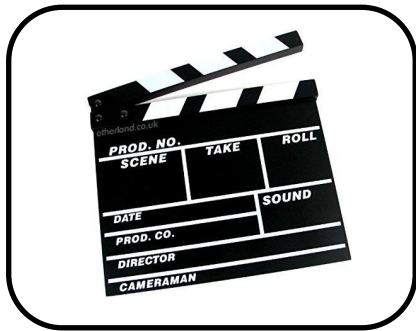
**UNITED NATIONS
UNIVERSITY**

US University
of Sussex

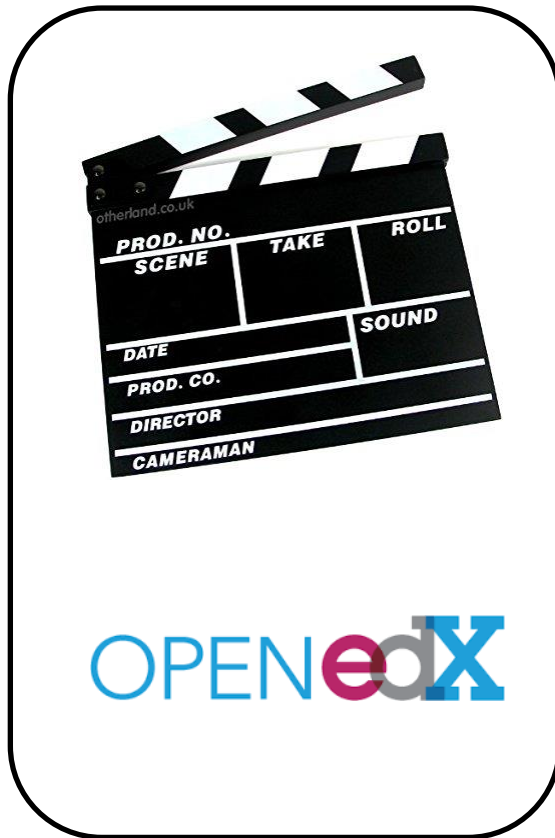
OpenEdX + YouTube, the usual way



Exhausting and not Secure !!



Easy video-authoring & publishing for MOOC



Professor

End-to-End Open Solution:

Galicaster - OPENCAST - PuMuKIT



GALICASTER
Project

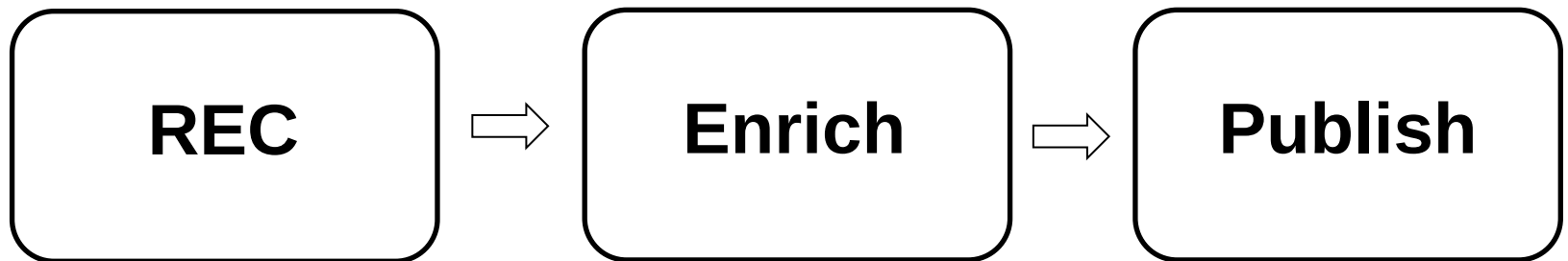
 **OPENCAST**

PuMuKIT
Web-TV | ARCA | iTunes U

REC

Open Video Solution:

GALICASTER - OPENCAST - PuMuKIT



GALICASTER
Project

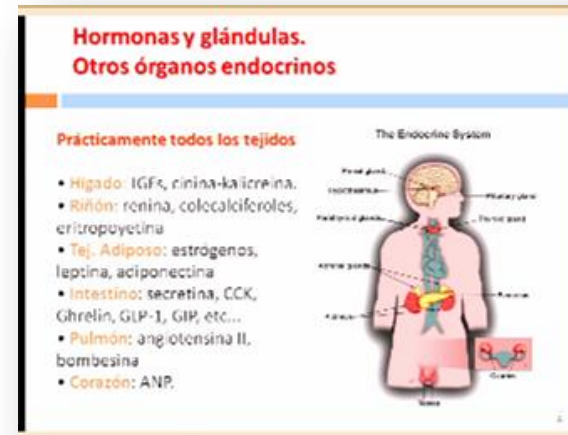
 **OPENCAST**

PuMuKIT
Web-TV | ARCA | iTunes U

Dual-Stream Recording



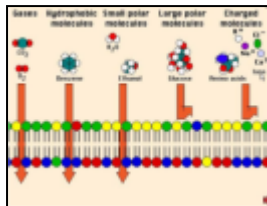
Professor



“VGA”

REC (Multi-Stream)

GALICASTER



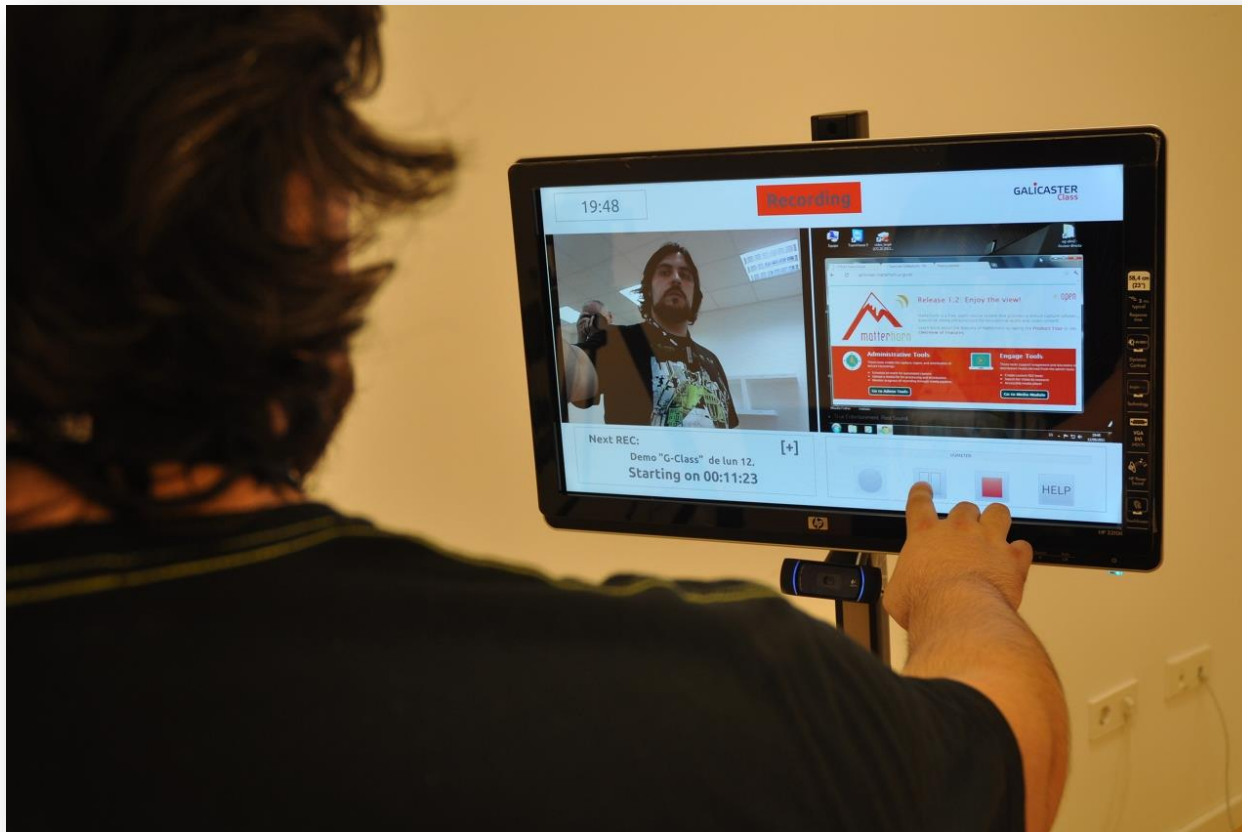
Reconocimiento de Patrones

Autores:
José Luis Alba - Universidad de Vigo
Jesús Cid - Universidad Carlos III de Madrid

Última revisión: mayo de 2006



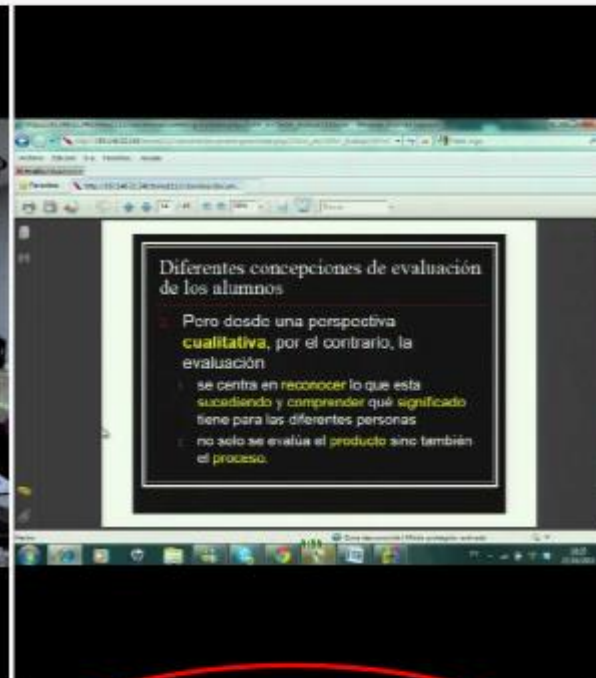
GALICASTER Project



18:36

Recording

GALICASTER
Class



Current REC:

Avaliación da competencia lingüística

Stopping on 01:23:58



Classroom REC

GALICASTER



Videoconference-room REC

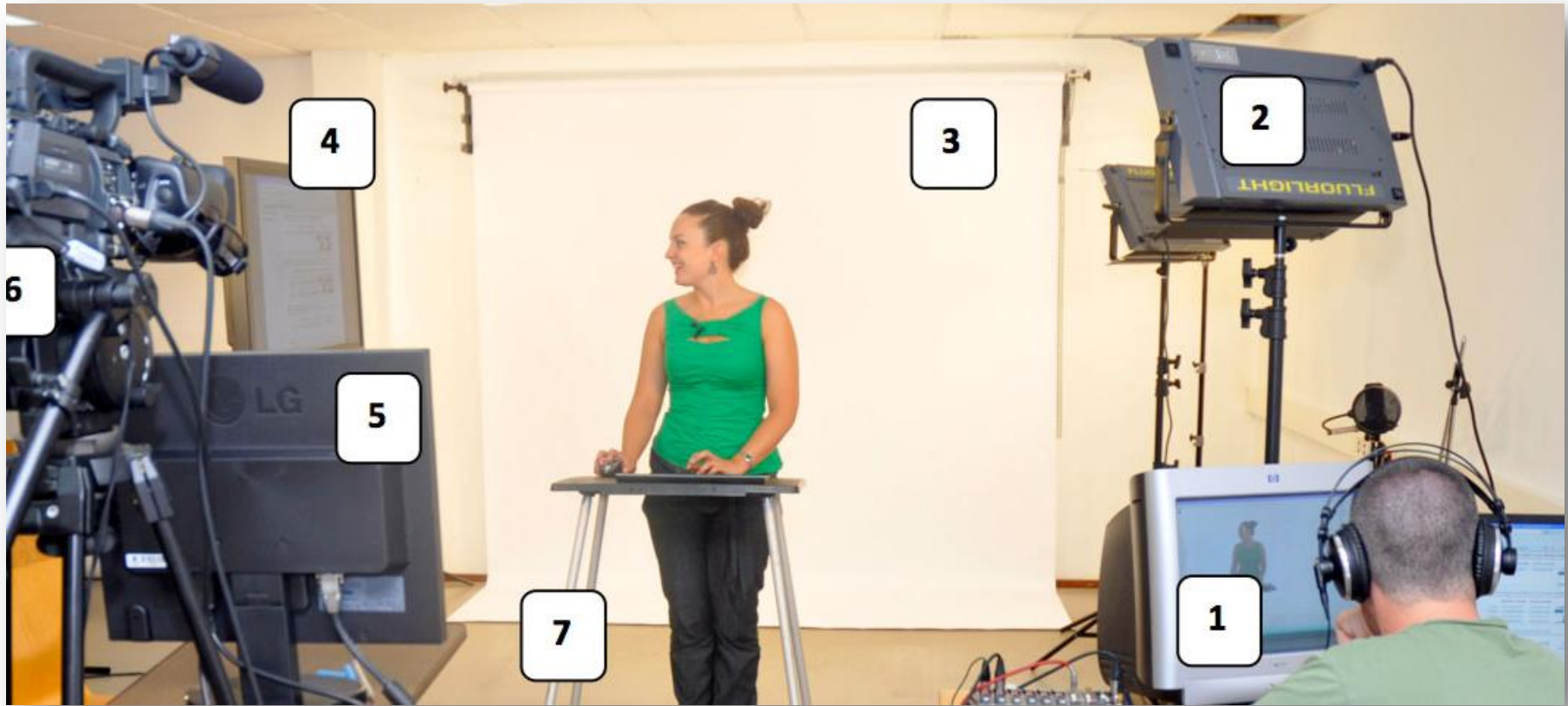


Conference REC



Polimedia MOOC-Studio

GALICASTER



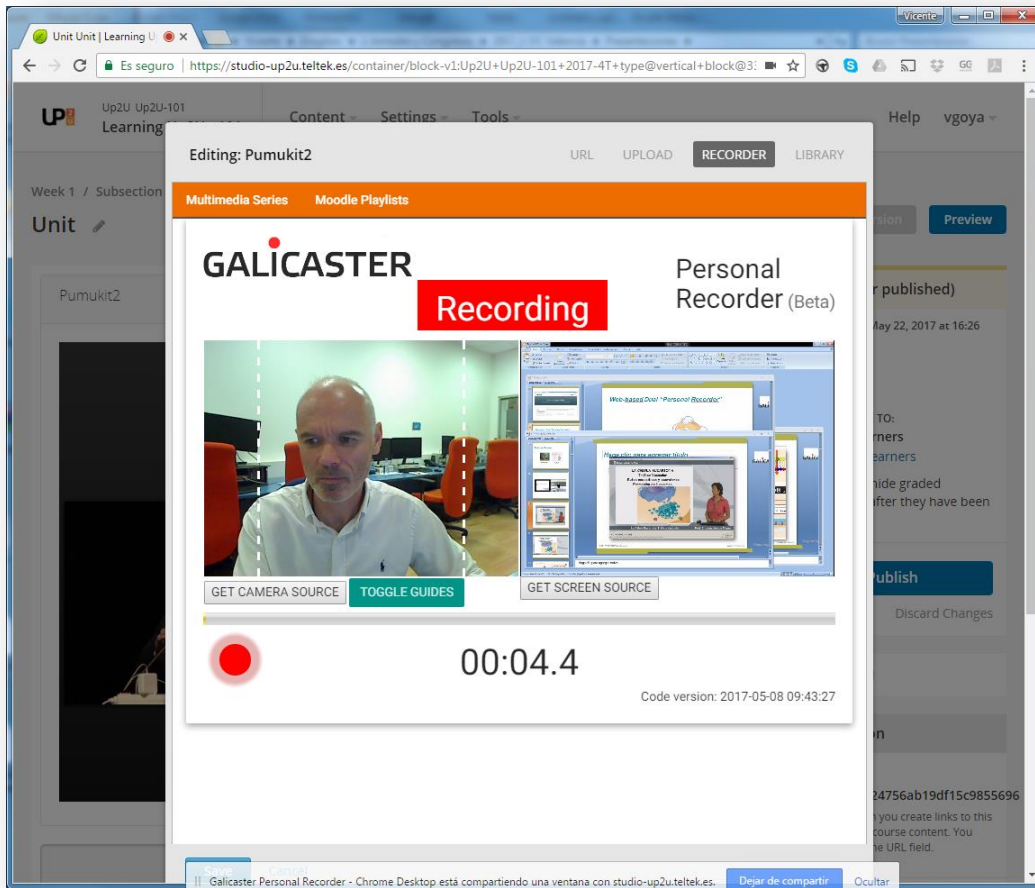
Galicaster around the World (+70)



And the winner is ...



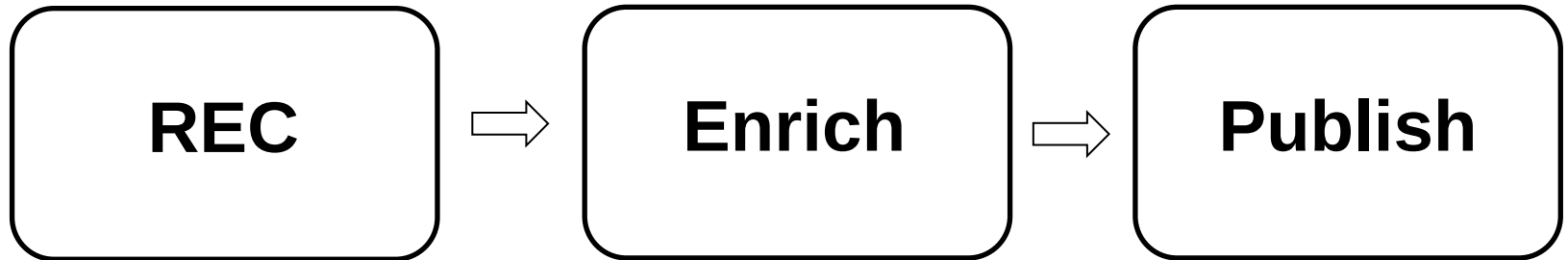
Web-based, Dual-video “Personal Recorder”



Enrich

Open Video Solution:

Galicaster - OPENCAST - PuMuKIT



GALICASTER
Project

 **OPENCAST**

PuMuKIT
Web-TV | ARCA | iTunes U

Opencast-MH Project



Berkeley
University of California

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



Universidade de Vigo

A screenshot of a video player interface. The main window shows a man in a blue sweater presenting a slide titled "Ebenengleichung". The slide contains three equations: $3x + 2y - 12 = 0$, $3x + 2y - 12 + 6 = 0$, and $3x + 2y - 12 + 6z = 0$. A 3D coordinate system is shown with a green line and a blue plane. The video player has a progress bar at the bottom showing 00:31:58 of 01:21:01. The bottom of the player shows a slide navigation bar with various icons and a search bar.

Rich video player



Prueba Célula Eucariota Share Shortcuts

The video player displays a woman in a pink shirt presenting a diagram of a cell membrane. The diagram illustrates the movement of various molecules across the membrane, categorized into five groups: Gases (CO₂, O₂), Hydrophobic molecules (Benzene), Small polar molecules (H₂O, Ethanol), Large polar molecules (Glucose), and Charged molecules (Amino acids, Na⁺, Cl⁻, Ca²⁺, Ions). The diagram shows that gases and hydrophobic molecules pass directly through the lipid bilayer, while small polar molecules pass through water channels, and large polar and charged molecules require transport proteins. A thumbnail in the bottom left corner shows the same diagram with the text "LA CÉLULA EUCARIOTA. MEMBRANAS CELULARES. FUNCIONES".

LA CÉLULA EUCARIOTA. MEMBRANAS CELULARES. FUNCIONES

View: ☐ Viewing Statistics

Description Hide Segments Segment Text Search this recording

Navigation controls: Previous, Play/Pause, Next, and a timeline bar.

Prueba Célula Eucariota | OpenCast Matterhorn - Media Player

Prueba Célula Eucariota | Ope

opencastdemo.media.uvigo.es/engage/ui/watch.html?id=065a10da-15ee-4f07-b1d8-e00bf25f066c

00:01:46 3 a i complex r r basal lamina Figure 19 19 pan 1 041 Molecular Biology anne Cell am Eamon

00:02:39 mf 11 is mms vf m W gf ummm f m Wm fm W M w g M mm m m f m mA DM m n R Wm m R ff mv mu om ww m 1 w fsm w umm c n nm

00:03:36 UNIONES INTERCELULARES Uniones Estrechas Tight junctions zom la occludens banda de cierre Uniones de Anclaje Desmosomas puntuales macula adherens Desmosomas en banda adherens Uniones de Fisura Gap junction nexo uni n comunicante ZONULA Banda de uni n alrededor de la c lula MACULA regi n de uni n

00:04:06 ATP synthase MATRIX electron transport cham E ATP mner membrane A outer membrane I I I I I I 2H2O I P Figure 14 14 part 1 of 2 Molecular Biology ol the Cell 4th Edition

00:04:54 CLOSED OPEN lipid bilayer ci selectivity filter in aqueous pore Figure 11 20 Molecular Biology ofthe Cell 4th Edition Q n mec nica de la membrana Cambio en el potencial de membrana dependientes de Uni n a una mnl cula mensajera canales dependientes de

00:05:48 epithelium basal lamina Q 1 col agen fiber macrophage capillary eff j elastic fiber T p 3 mast cell g Starr hyaluronan V proteoglycans and glycoproteins 5 III 50 um Figure 19 34 Molecular Biology ofthe Cell 4th Edition CONN ECTIVE TISSUE

00:06:52 LA C LULA EUCARIOTA MEMBRANAS CELULARES FUNCIONES Th Mmisl OI Cal 6 Outs de of Cell 1f J I f U IBid oi CB

00:07:49 H ms m fum W Mm M aw mm Q m u mx

00:08:29 interacting p asma membranes ya r f r intercellular ff V nl T space Z rf fo 5 r Mm 4 strands of tight I X proteins W K cytoplasmic fl ce 9 l ce p d A 1 2 Figure 19 5 rv ssn ar on he Cell Mh Ed cadherin proteins Dla lue

QR Codes detection



MUTE ALL



MUTE AUDIO



MUTE CAMERA



MUTE PRESENTATION



START NEW CHAPTER

Example 1: This slide will not be recorded

- Copyrighted content here



Example 2: Here a Chapter starts

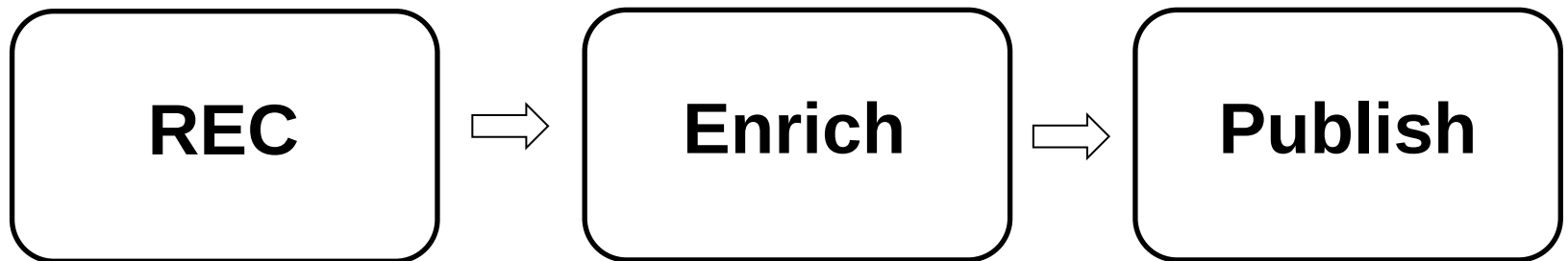
- Here I start explaining what “Entropy” is



Publish

Open Video Solution:

Galicaster - OPENCAST - PuMUKIT

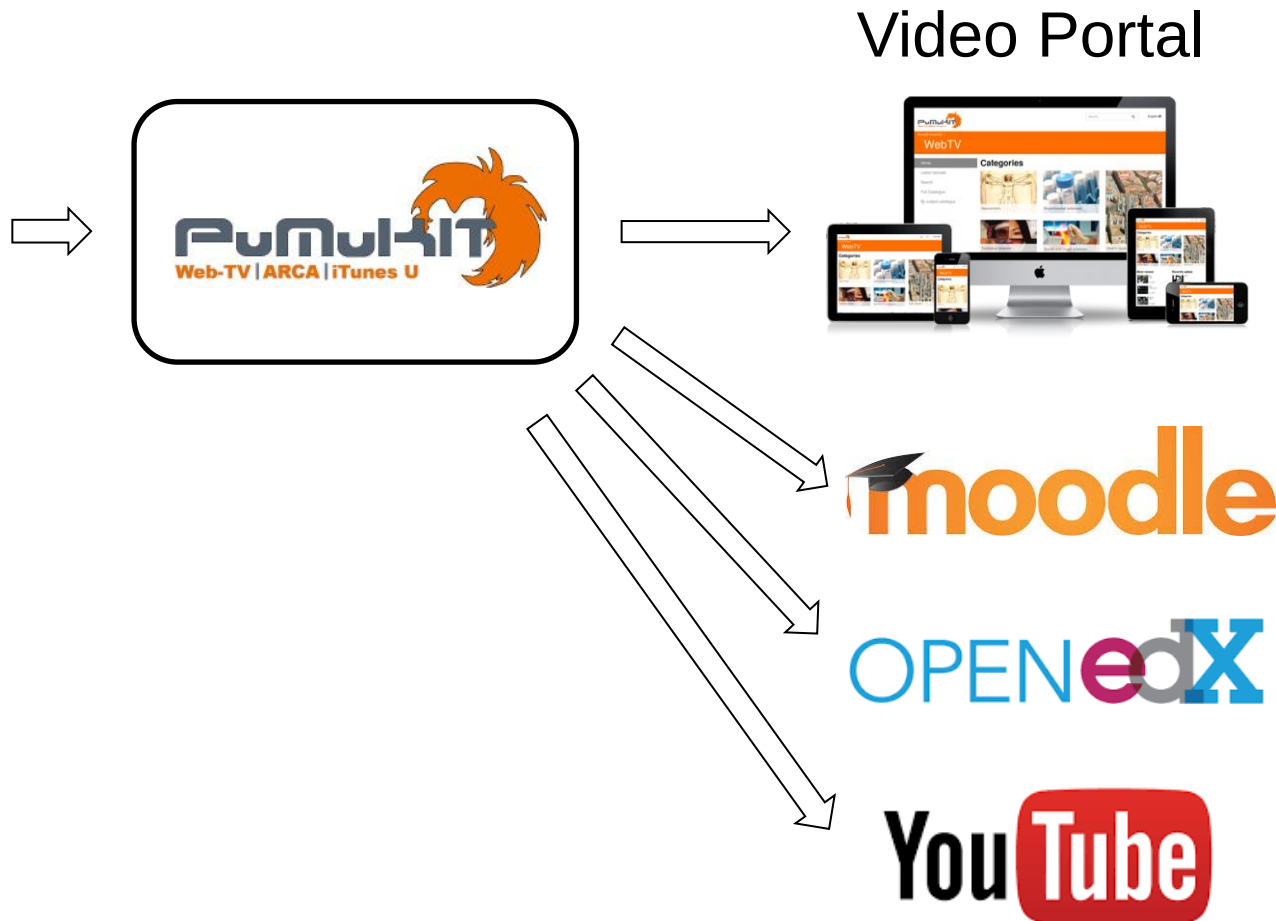


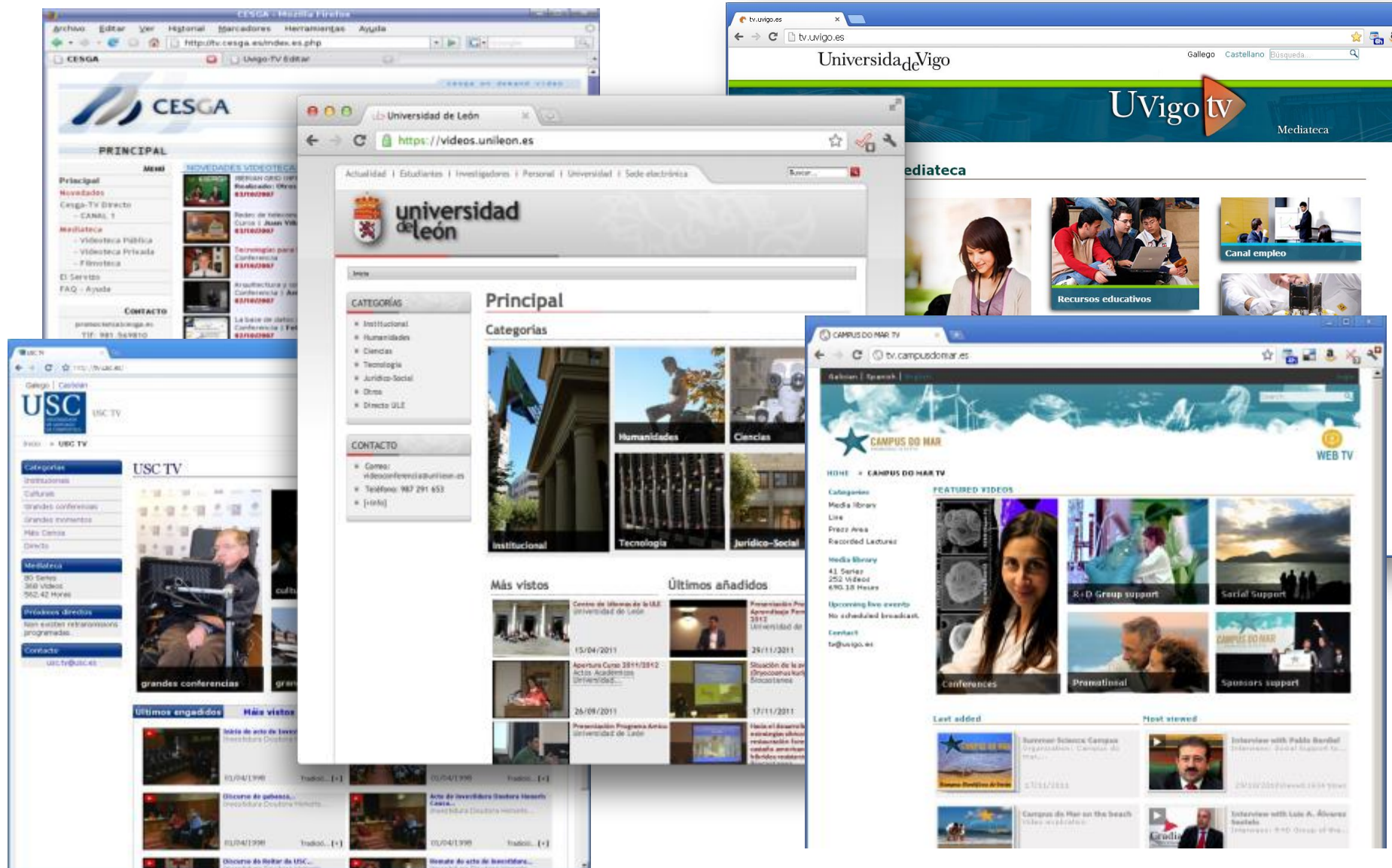
GALICASTER
Project

 **OPENCAST**

PuMUKIT
Web-TV | ARCA | iTunes U

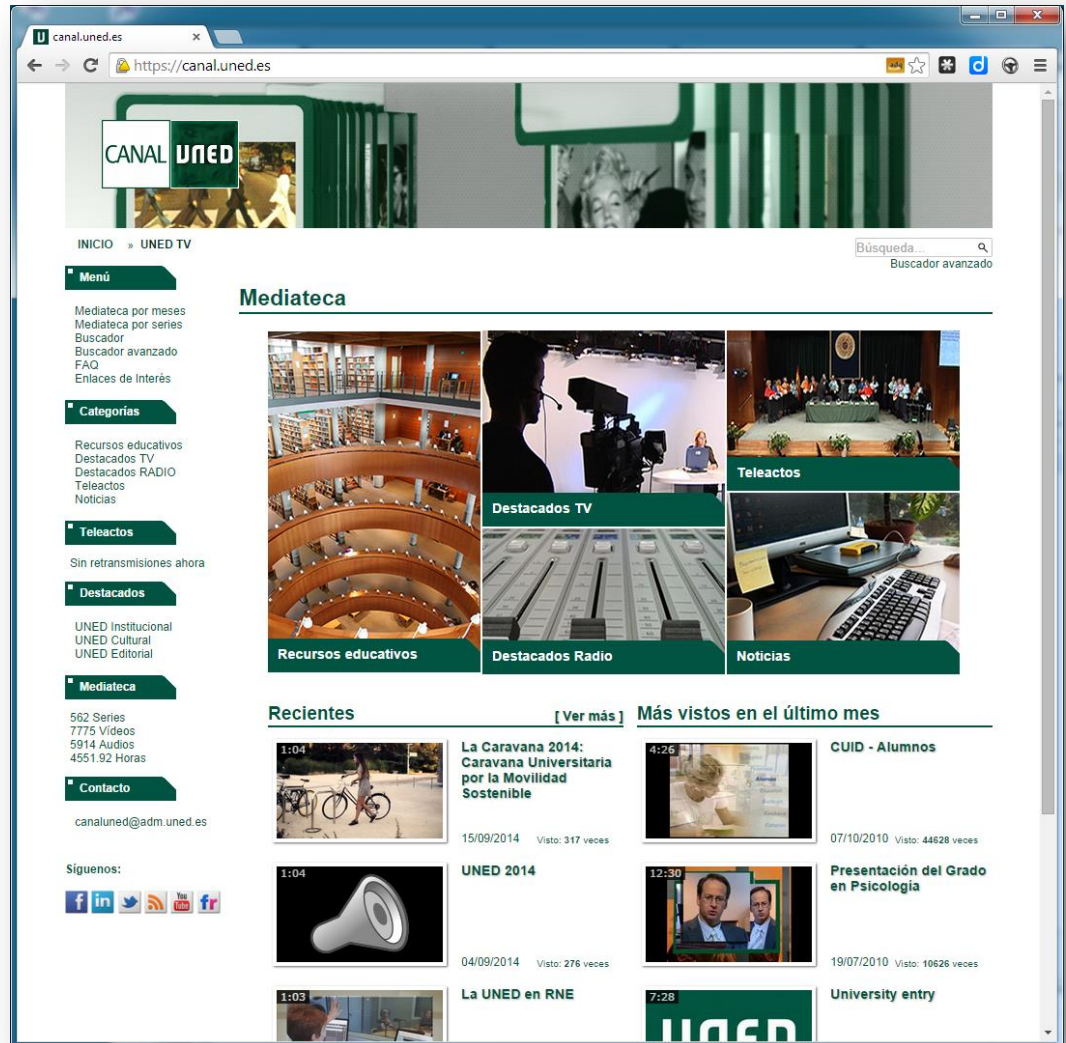
PuMuKIT = Publish & Preserve



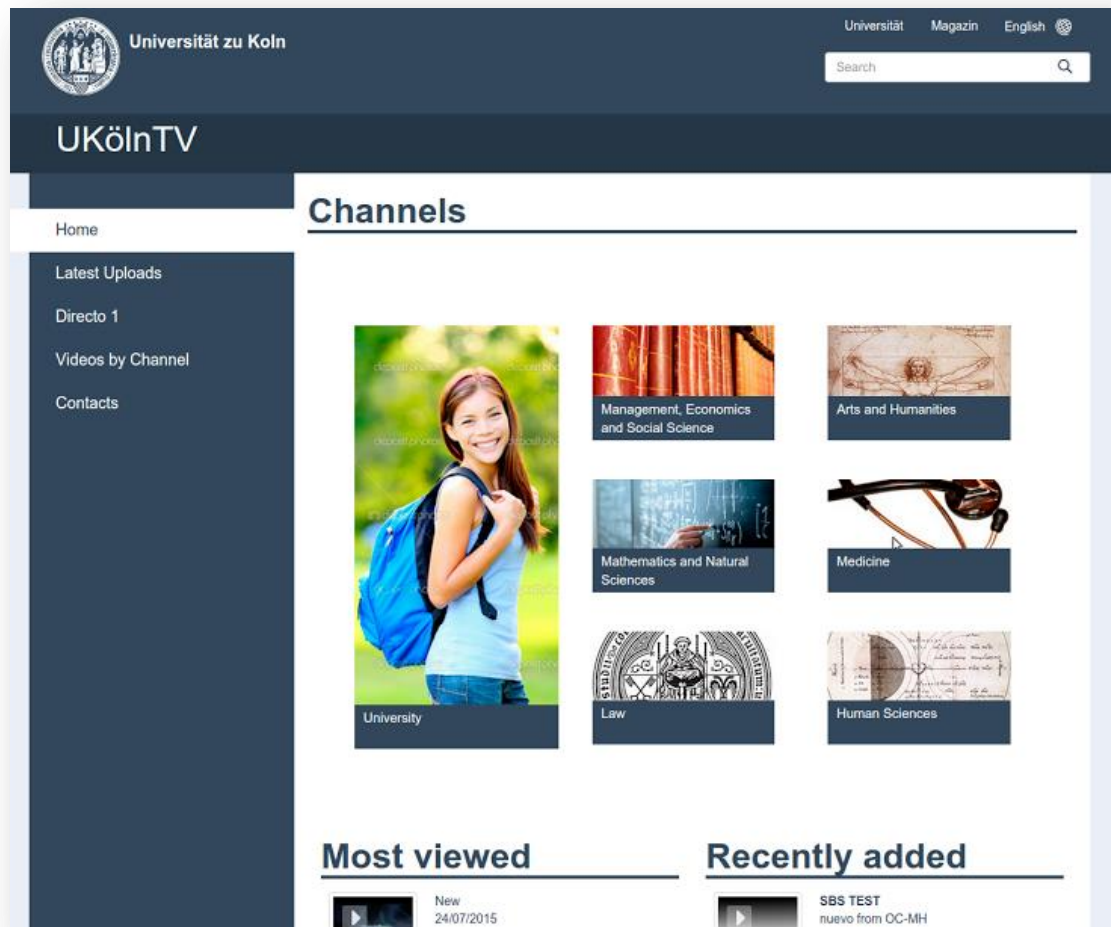


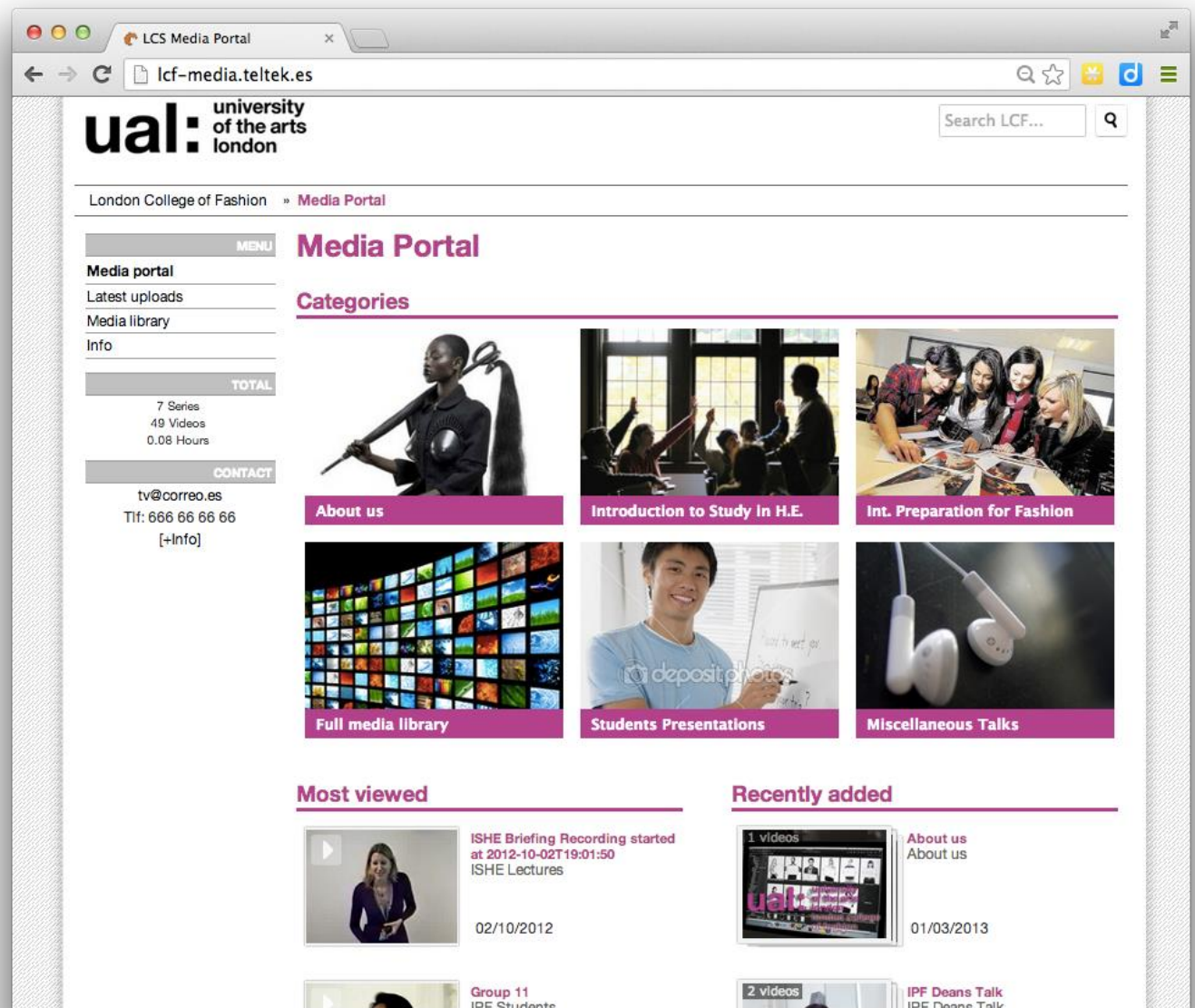
Canal UNED

+ 28.000 videos



University of Cologne - Germany



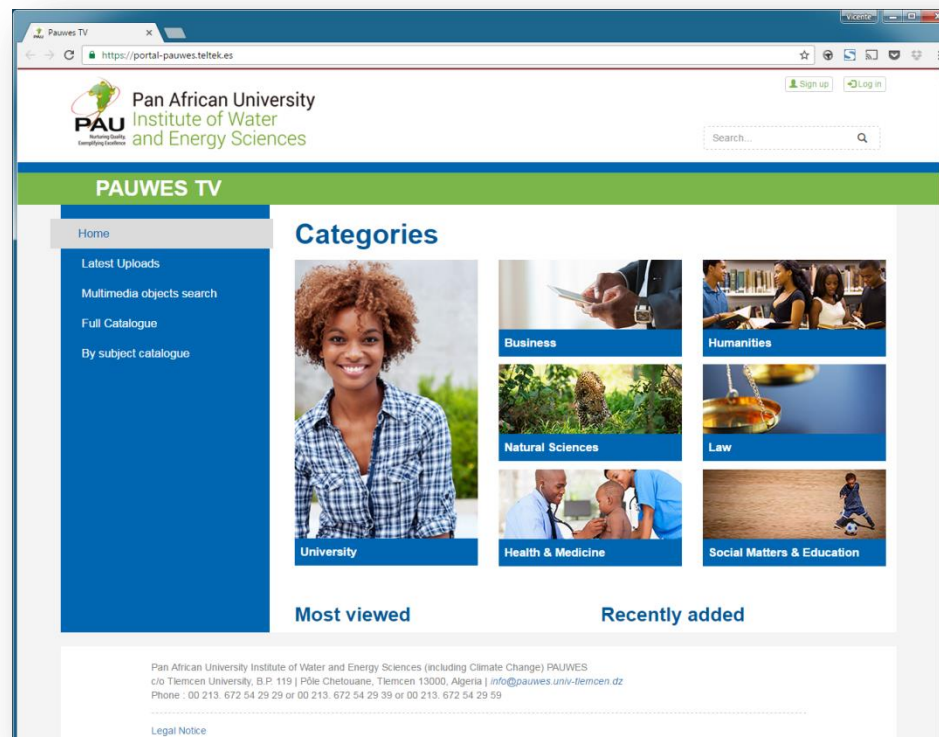


PAUWES – United Nations

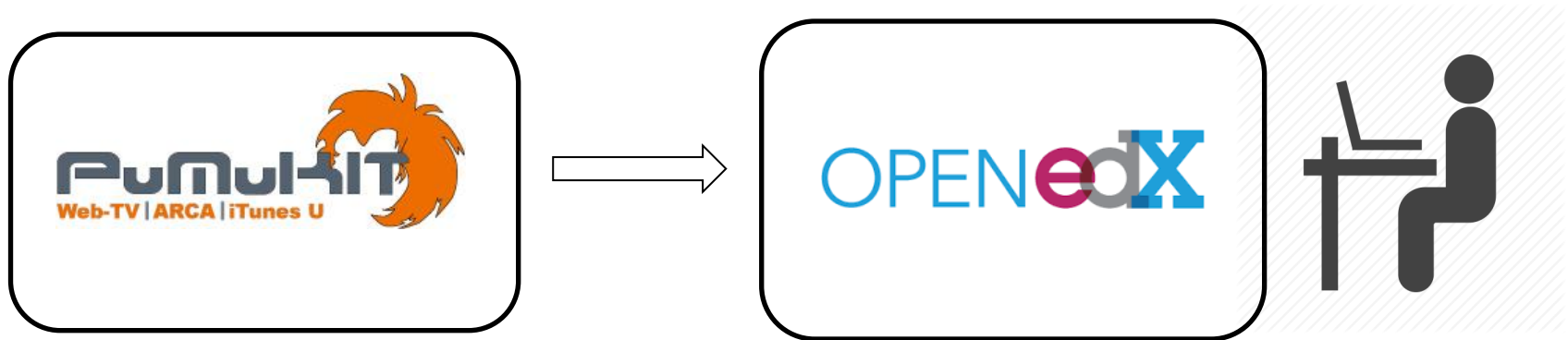


UNITED NATIONS
UNIVERSITY

- Pan-African University = Galicaster Media Server + CAs

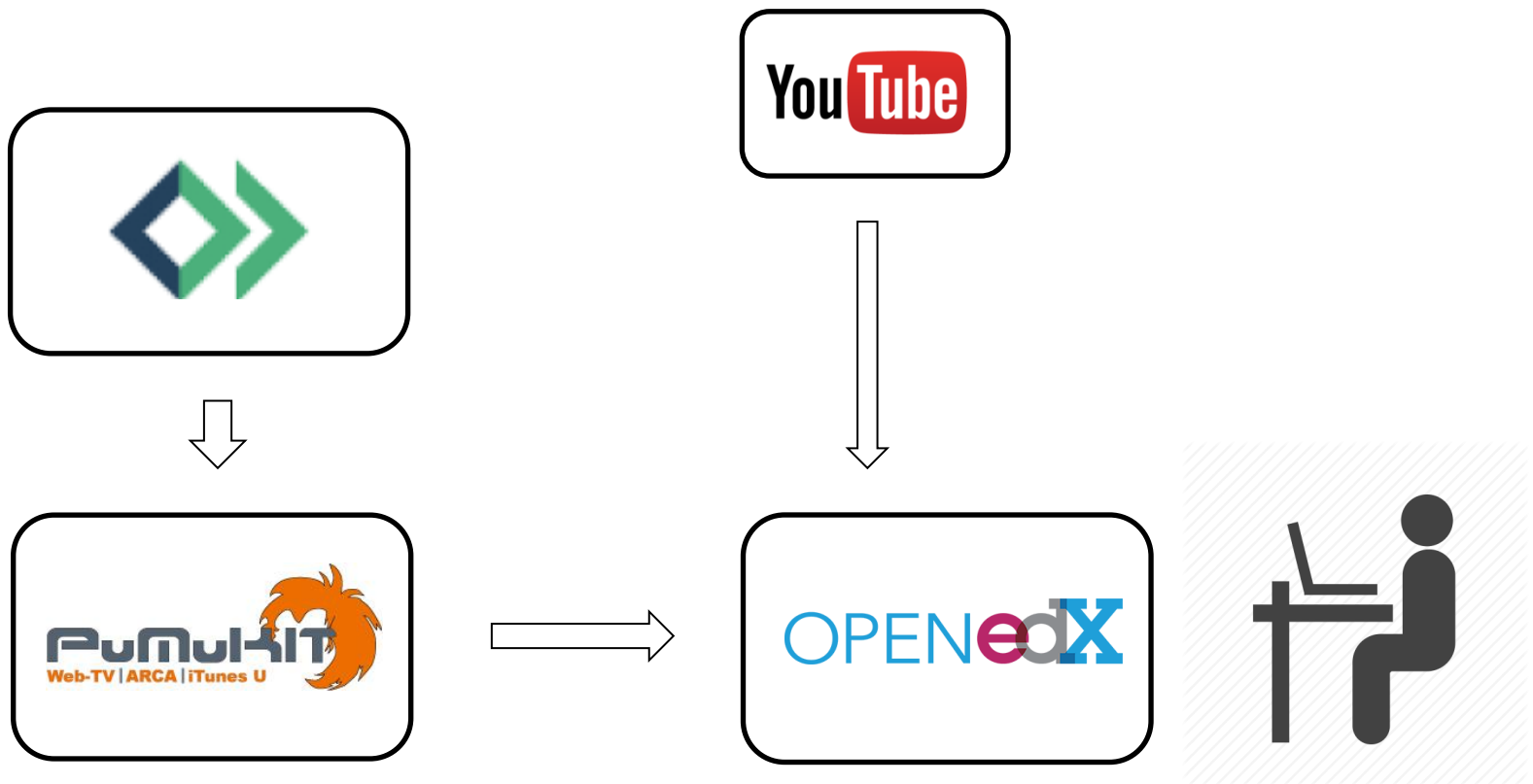


PuMuKIT Bundle + OpenEdX XBlock



- <https://github.com/teltek/PuMuKIT2-open-edx-bundle>
- <https://github.com/teltek/pumukit2-opencast-video-xblock>

PuMuKIT & OpenEdX



www.OPENCAS.T.org

www.GALICASTER.org

www.PUMUKIT.org



Web-based Dual-video “Personal Recorder”



PR Demo

Thank you !!

Vicente Goyanes
vgoya@teltek.es

www.TELTEK.es

