zürich

TH Zurich – serving society

TH Zurich at a glance

Founded 1855

- Driving force of industrialisation in Switzerland

ETH Zurich today

- One of the leading international universities for technology and the natural sciences
- Place of study, research and employment for approximately 25,000 people from over 100 differen countries

Reasons for success:

- Excellent education
- Ground-breaking fundamental research
- Putting new findings into practice

Multimedia Services, IT Services (ITS MMS)

roduction und Distribution (PD)

Multimedia Services

Video productions
Imagefilms, documentation, edcucational video content, interviews

Event recording (manual, with internal cost)
Conferences, talks, workshops

Lecture capture / course recording (automated, free)

Lecture hall transmission

Distribution
Video management, distribution, and publication (to various channels)

Multimedia Services – production volume p.a. (hours)

Videoproduction Imagefilms, documentation, edcucational video content, interviews	50h
Event recording (manual, with internal cost) Conferences, talks, workshops	100h
Lecture capture / course recording (autmomated, free)	1,000h
Lecture hall transmission	1,000h
Distribution Video management, distribution, and publication (to various channels)	

Multimedia Services – production volume since 2006 (videos)

Videoproduction
Imagefilms, documentation, edcucational video content (MOOC), interviews

Event recording (manual, with internal cost)
Conferences, talks, workshops

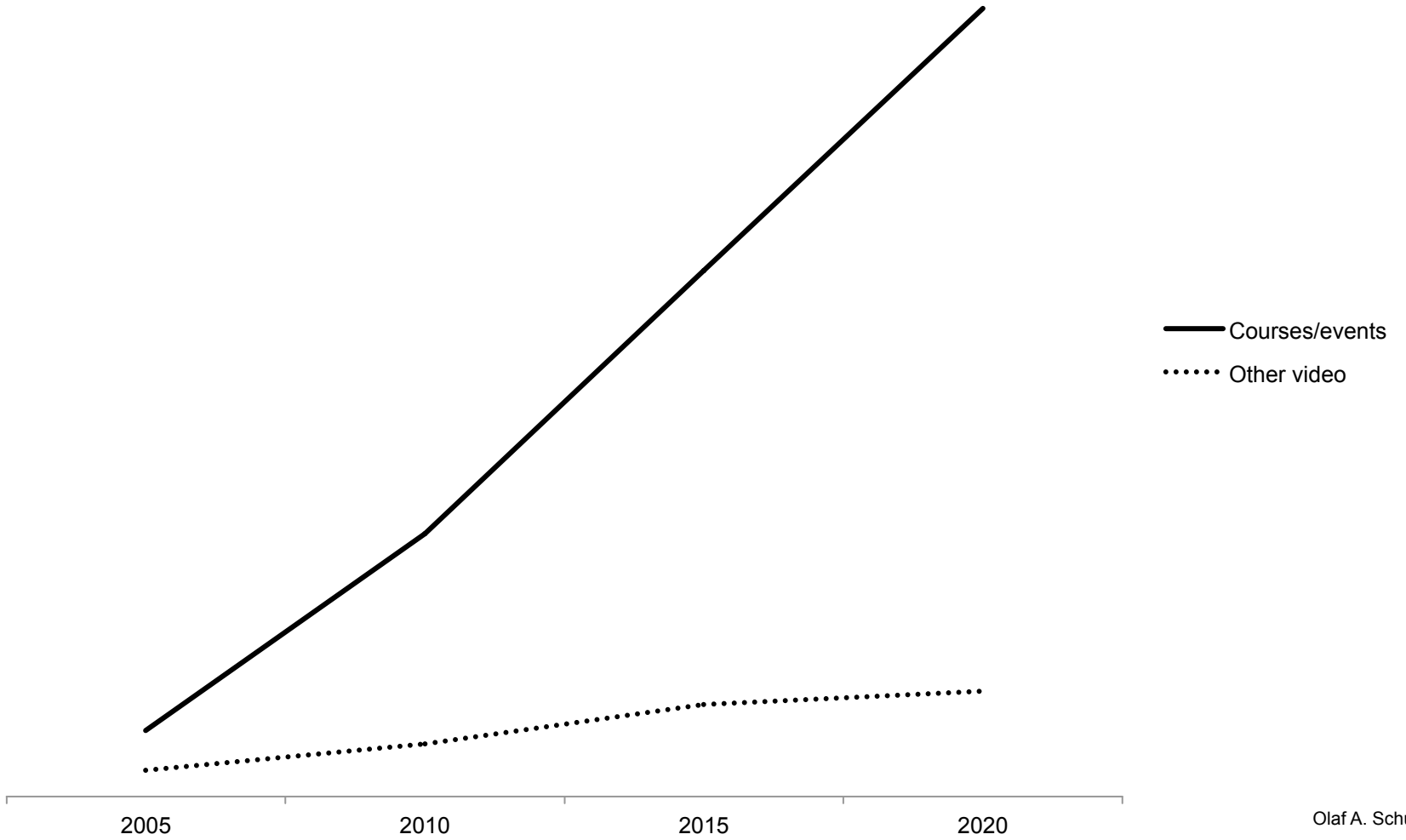
Lecture capture / course recording (autmomated, free)

Lecture hall transmission

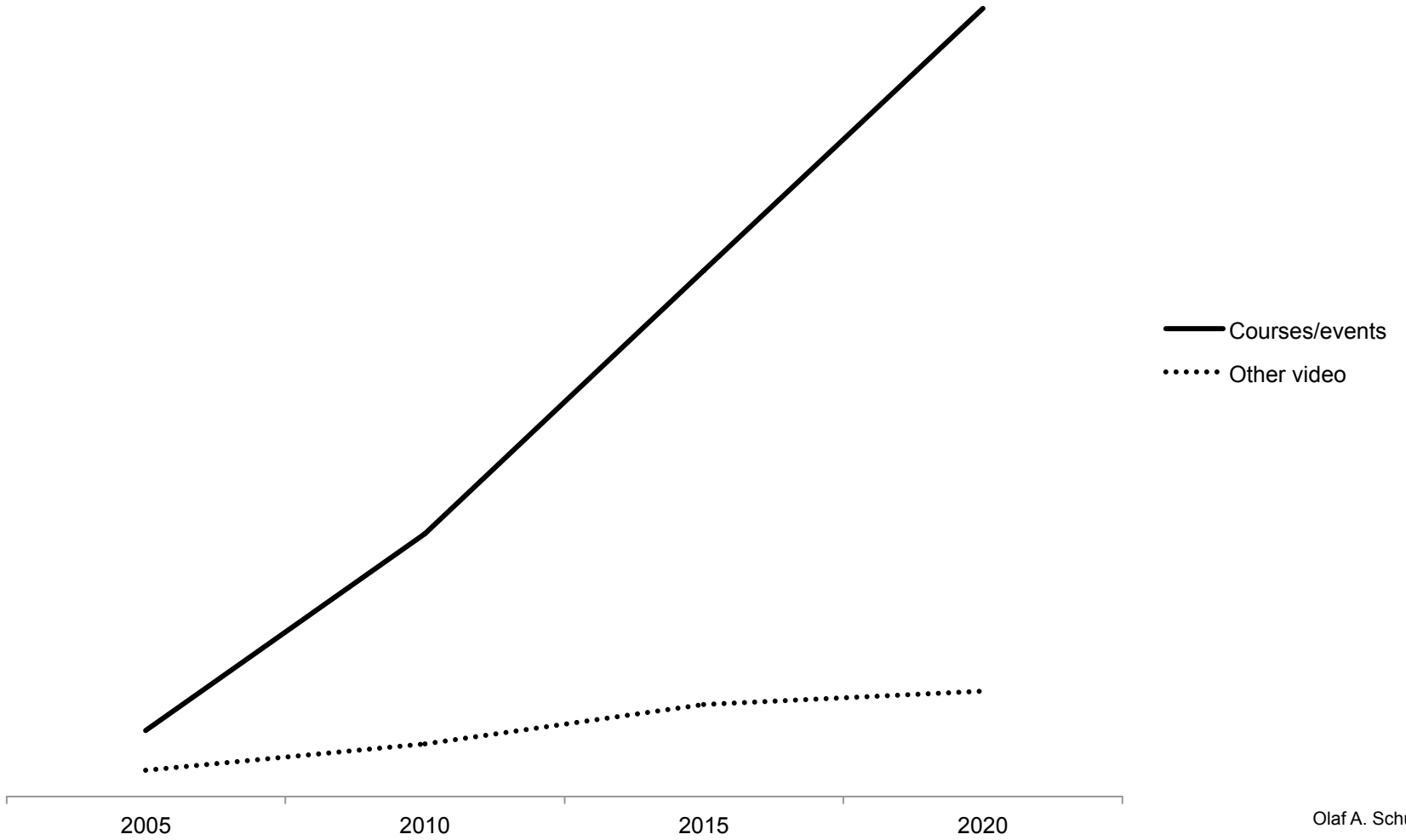
Distribution
Video management, distribution, and publication (to various channels)

10,000

Multimedia Services – production volume since 2006 (videos)



Multimedia Services – production volume estimates (videos)



From Podcasting to REPLAY to Opencast

2006: Podcasting

2009: REPLAY

2015: Opencast

ETH Zürich & Opencast Matterhorn

2006: Podcasting

2007: Kick-off at UCB

2009: REPLAY

2010 Matterhorn 1.0

2015: Opencast

Opencast Community

Federation of institutions and people

- concerned with academic video
- attracted to the Opencast idea

The Opencast idea(s)

Open (Broad-)Cast

Open Source

Open Technology

Open Formats

Open Content

Open Exchange

Opencast Community

Federation of institutions and people

- concerned with academic video
- attracted to the Opencast idea
- exchanging ideas, experience, and knowledge

- committed to building an Open Source solution putting into effect the OC idea

Mission statement

The Opencast community also **supports** community-driven **projects to solve common issues** in management of academic audiovisual content.

These projects will include open source software development, such as Matterhorn, and research focused projects. **The Opencast Community will support these projects through feedback and participation** in project-related activities.

Opencast Matterhorn...

. is a free, open-source platform to support the management of educational audio and video content.

Institutions will use Matterhorn to **produce** lecture recordings, **manage** existing video, serve designated **distribution** channels, and provide user interfaces to **engage** students with educational videos.

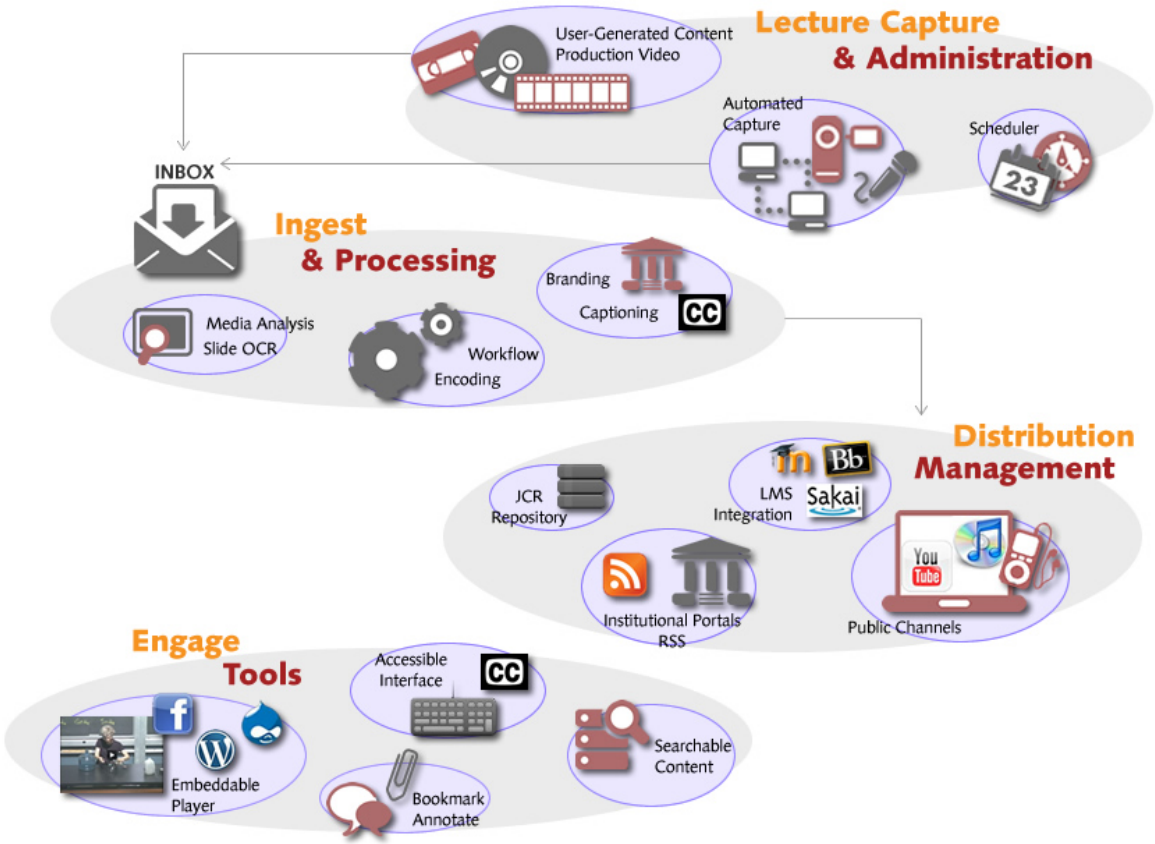
Acdemic) Video Management System

Lecture capture
Video ingest

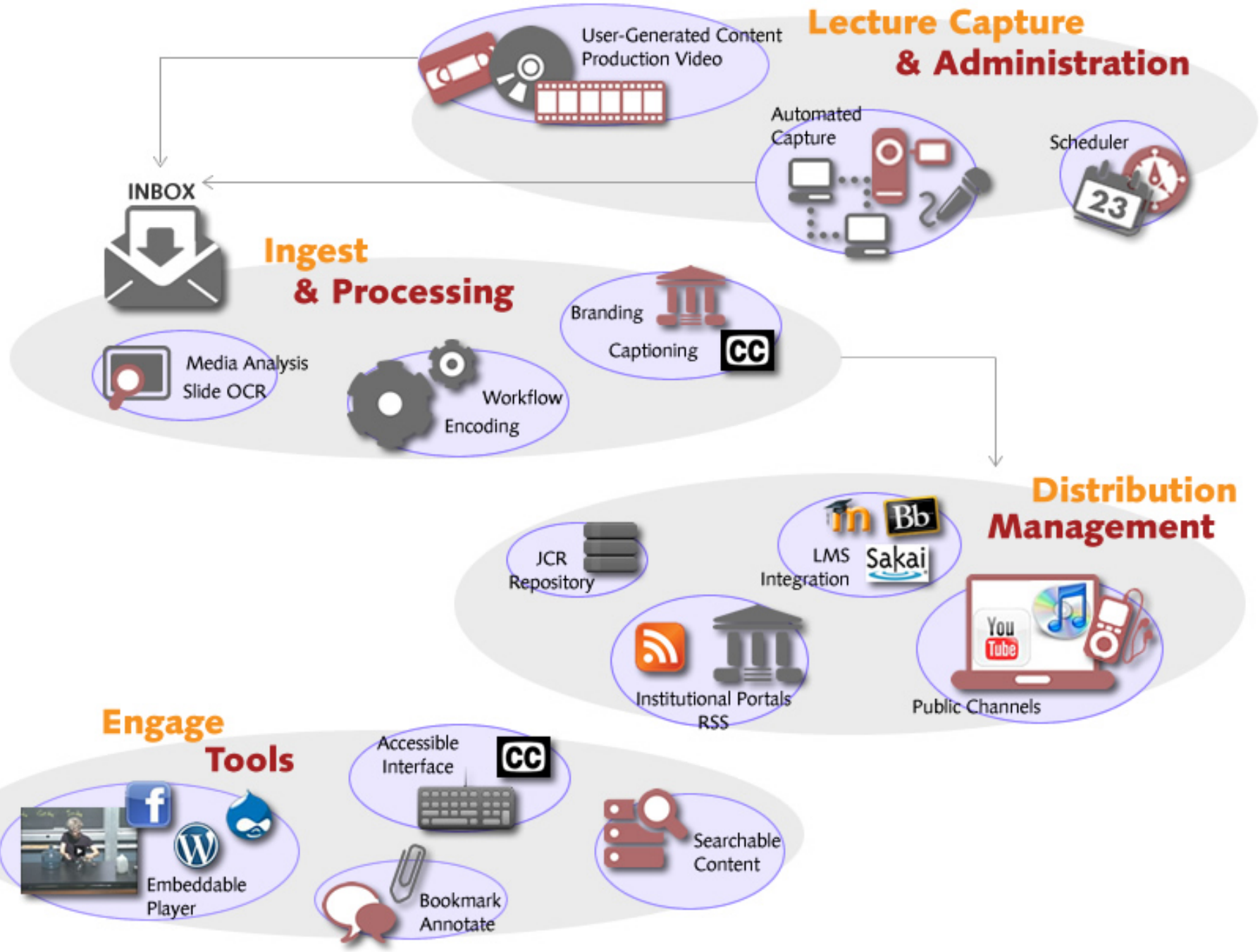
Processing
Management

Distribution
User interface

Opencast Matterhorn



Capture Agent


Lecture Capture
& Administration
User-Generated Content
Production Video
Automated
Capture
Scheduler
23
INBOX
Ingest
& Processing
Branding
Captioning
CC
Media Analysis
Slide OCR
Workflow
Encoding
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JCR
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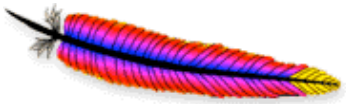
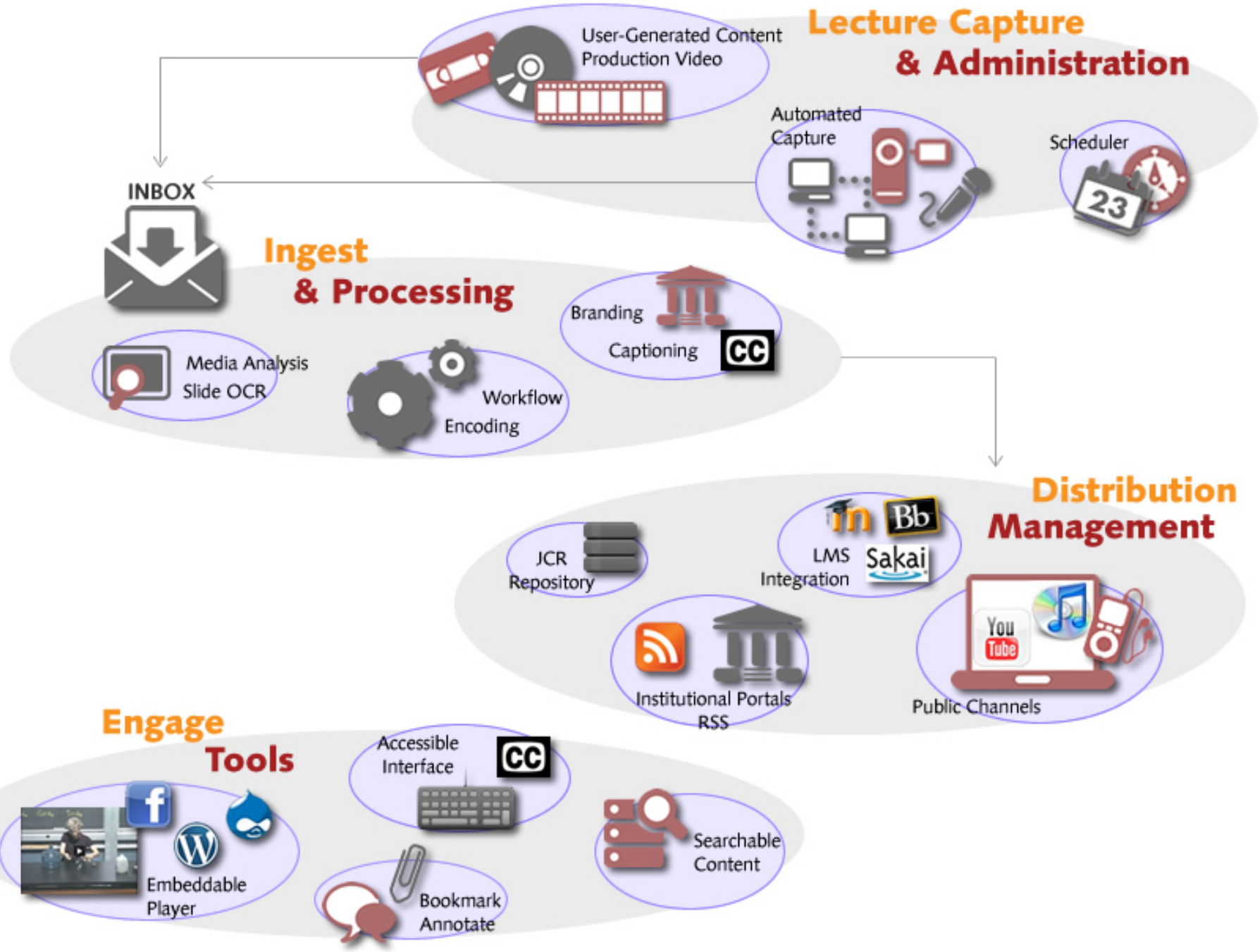
LMS
Integration
Sakai
Institutional Portals
RSS
You
Tube
Public Channels
Engage
Tools
Accessible
Interface
CC
Searchable
Content
Embeddable
Player
Bookmark
Annotate

Open Technology



Apache Commons

Open Technology?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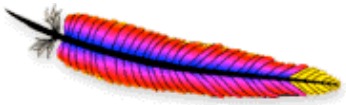
Open Technology



Apache Commons

Process / Engage

Adopter highlights

The innovator: University of Osnabruck

The powerhouse: University of Manchester

Sophisticated:

And: University of Cape Town

University of Osnabruck

University of Osnabruck

University of Osnabruck

University of Manchester

Effort started in 2011

Large-scale lecture capture
- more than 100 capture agents
- opt-out policy
- > 10,000 recordings p.a.
- Petabytes of storage

University of Manchester

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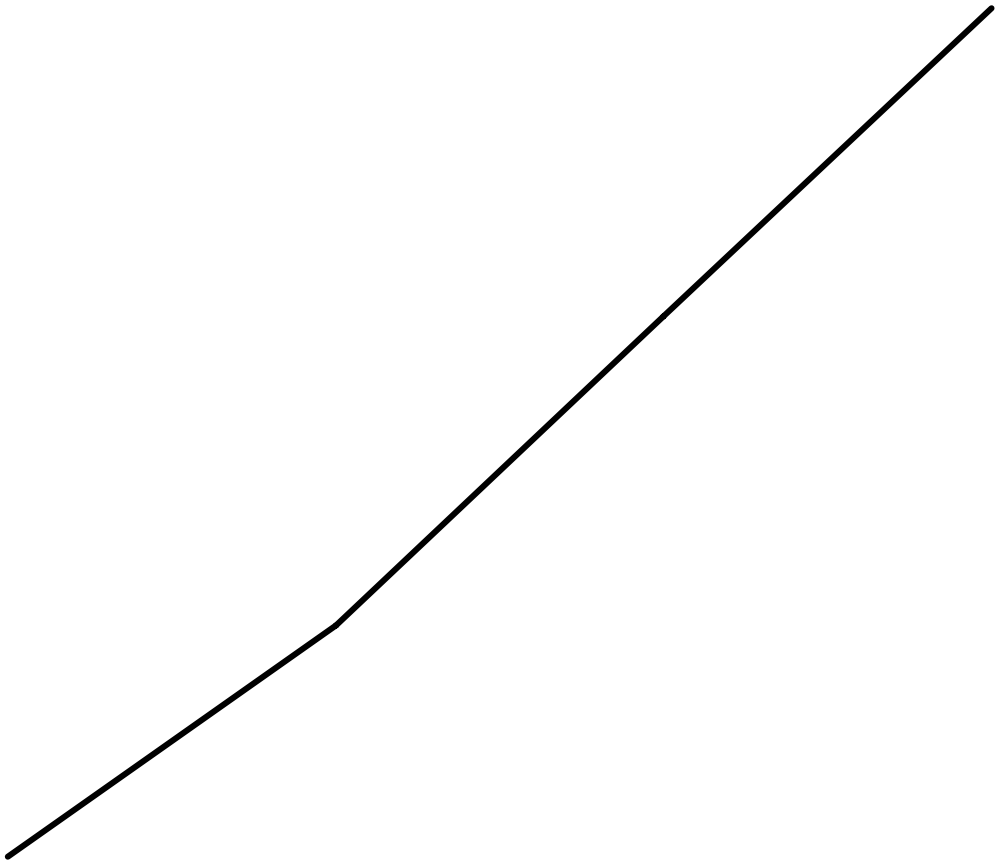

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(Galicaster) Capture agents ~£1,000 (including installation cost!)

video.manchester.ac.uk

MANCHESTER 1824
The University of Manchester

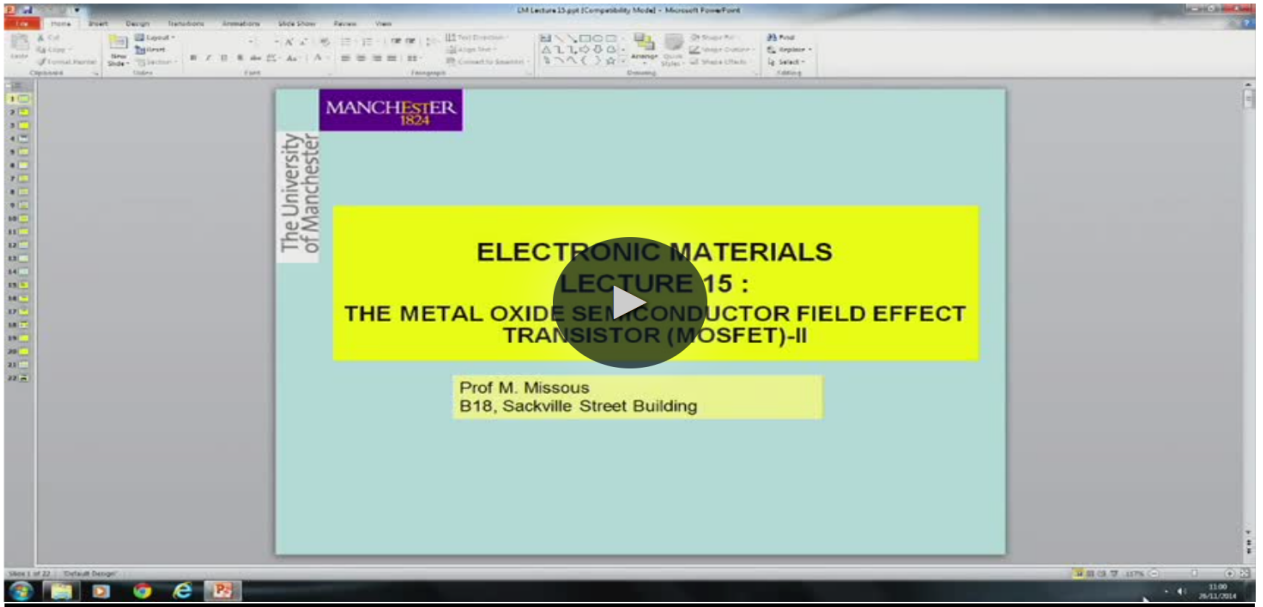
Video Portal

Welcome, Stuart Phillipson Logout

Home | Lectures | Faculties & Schools

Home / Lectures / EEEN10022 - Electronic Materials / EEEN10022 - 26-Nov

- Home
- Courses
- EEEN10022 - Electronic Materials
  - EEEN10022 - 26-Nov
  - EEEN10022 - 19-Nov
  - EEEN10022 - 12-Nov
  - EEEN10022 - 05-Nov
  - EEEN10022 - 29-Oct
  - EEEN10022 - 22-Oct
  - EEEN10022 - 15-Oct
  - EEEN10022 - 08-Oct
  - EEEN10022 - 01-Oct
  - EEEN10022 - 24-Sep



EEEN10022 - 26-Nov

Author: Added on 26-Nov-2014 Duration: 1:55:00

Download

```
<iframe src="https://video.manchester.ac.uk/embedded/ffffffff-959d-7a3c-0000-0149ebc1ff80" width="660" height="380" frameborder="0" webkitallowfullscreen mozallowfullscreen allowfullscreen></iframe>
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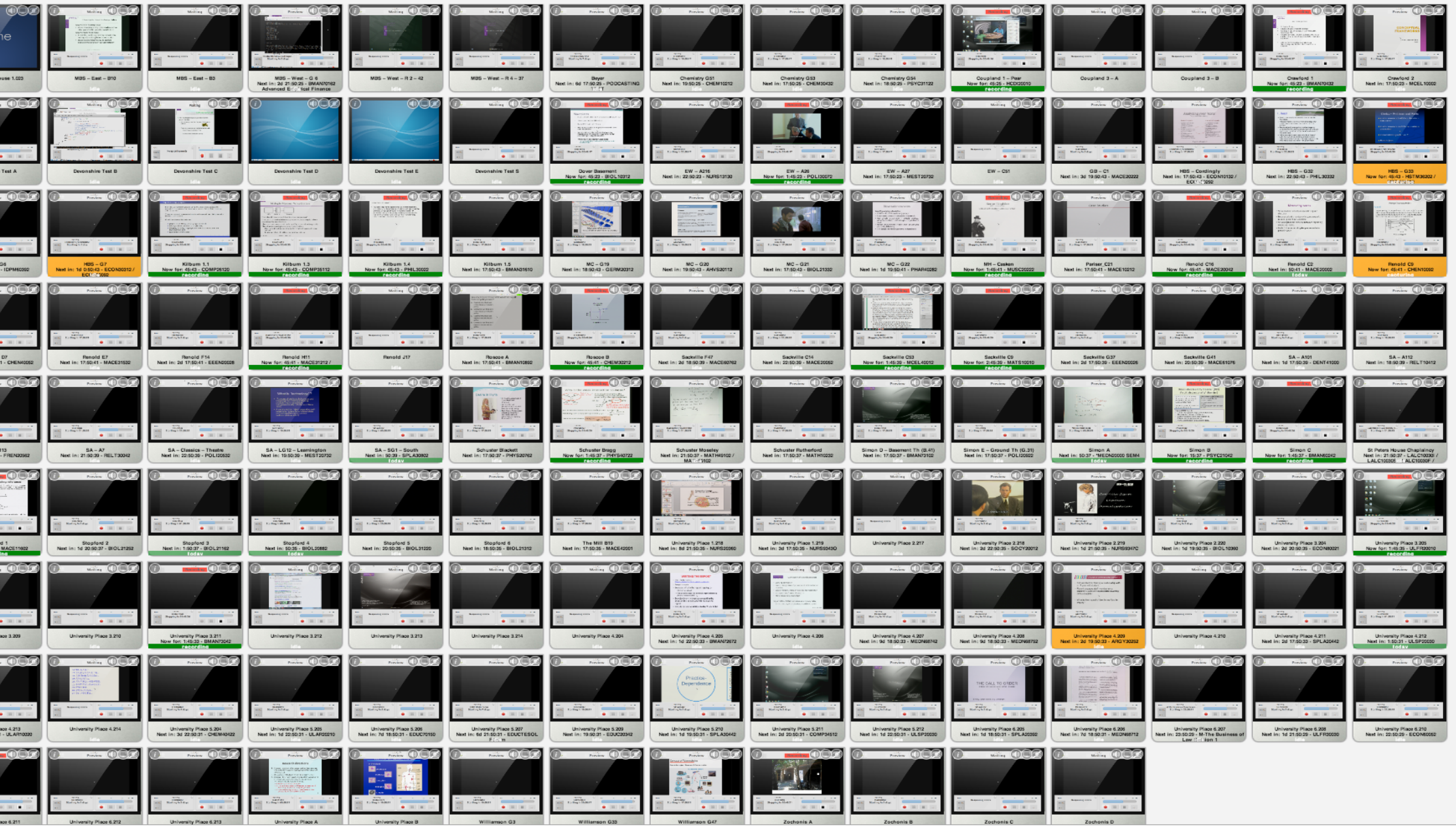
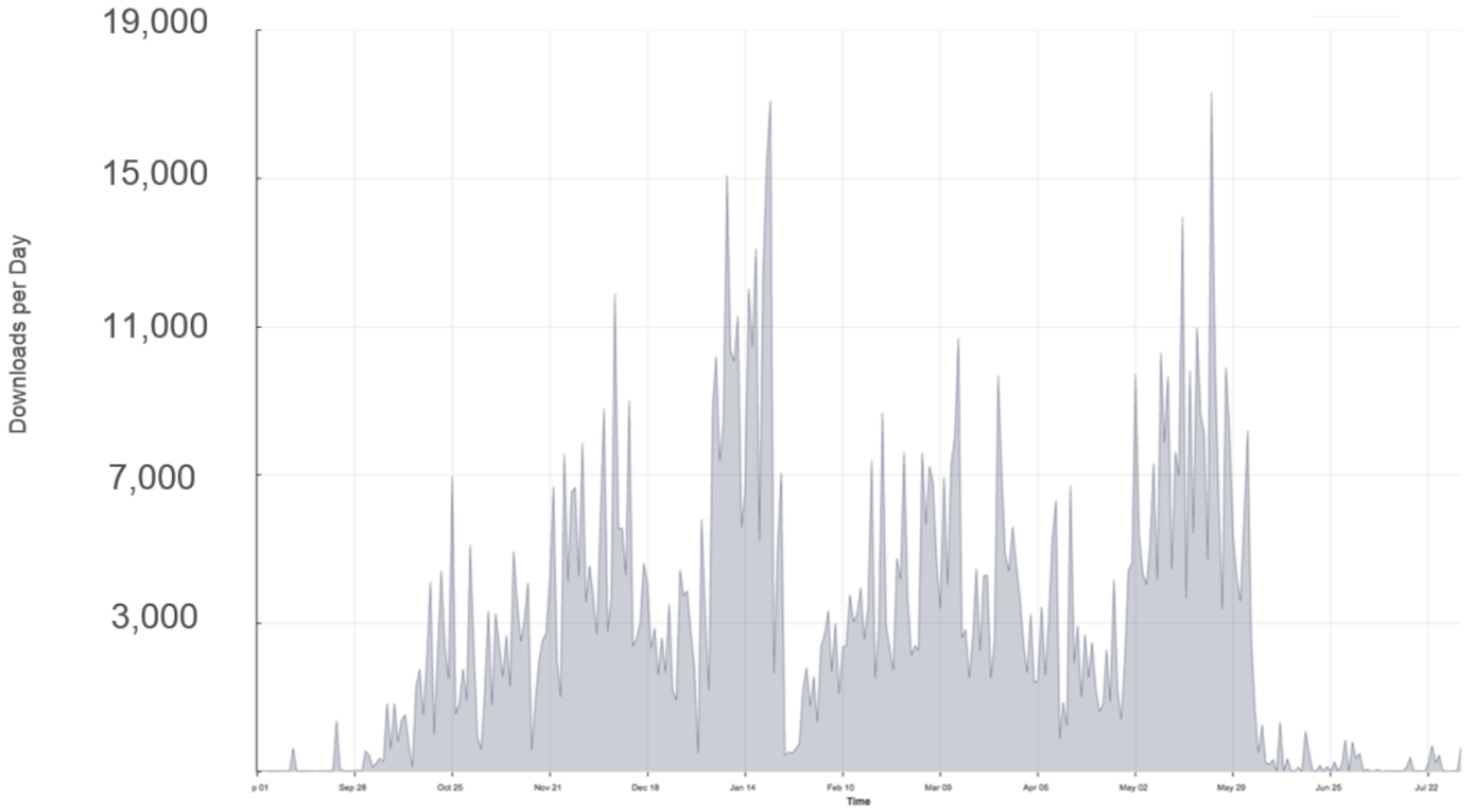
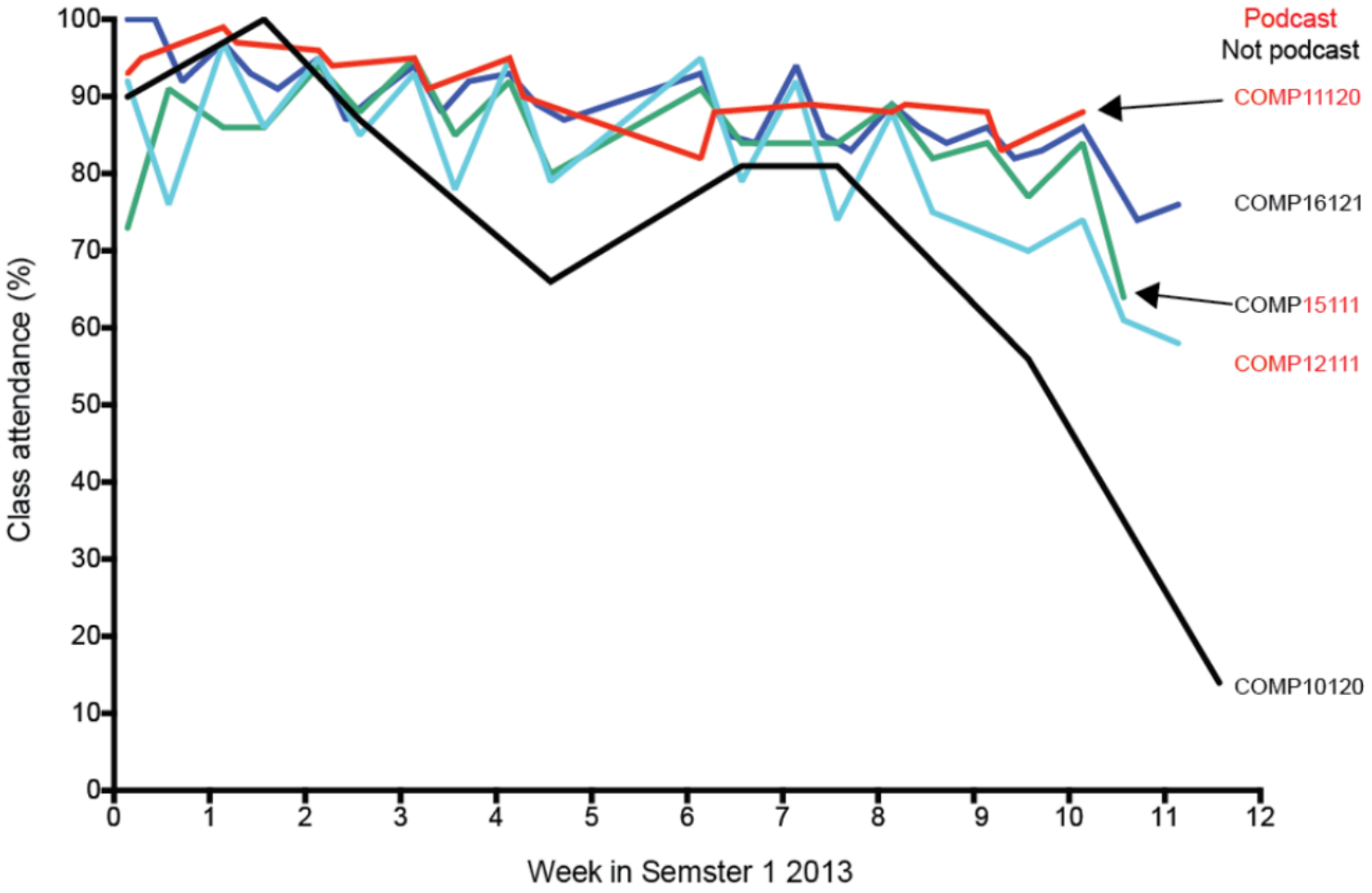


University of Manchester usage



University of Manchester attendance



University of Manchester

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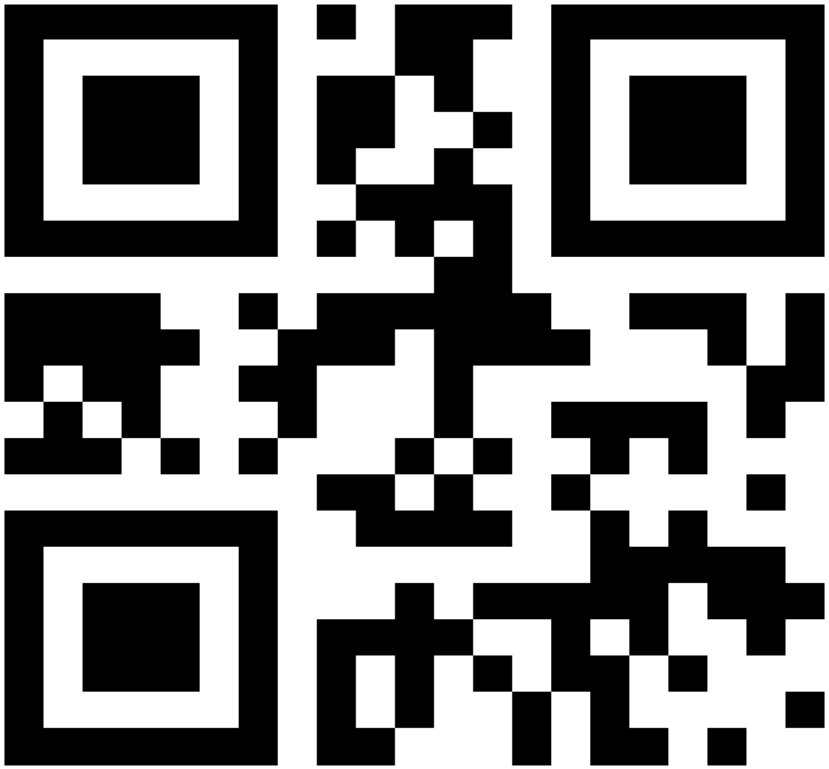
- Petabytes of storage

(Galicaster) Capture agents ~£1,000 (including installation cost!)

Projects: OCR, LectureSight

University of Manchester QR code project



University of Manchester – Lecture Sight
together with UCT, ETH and others)

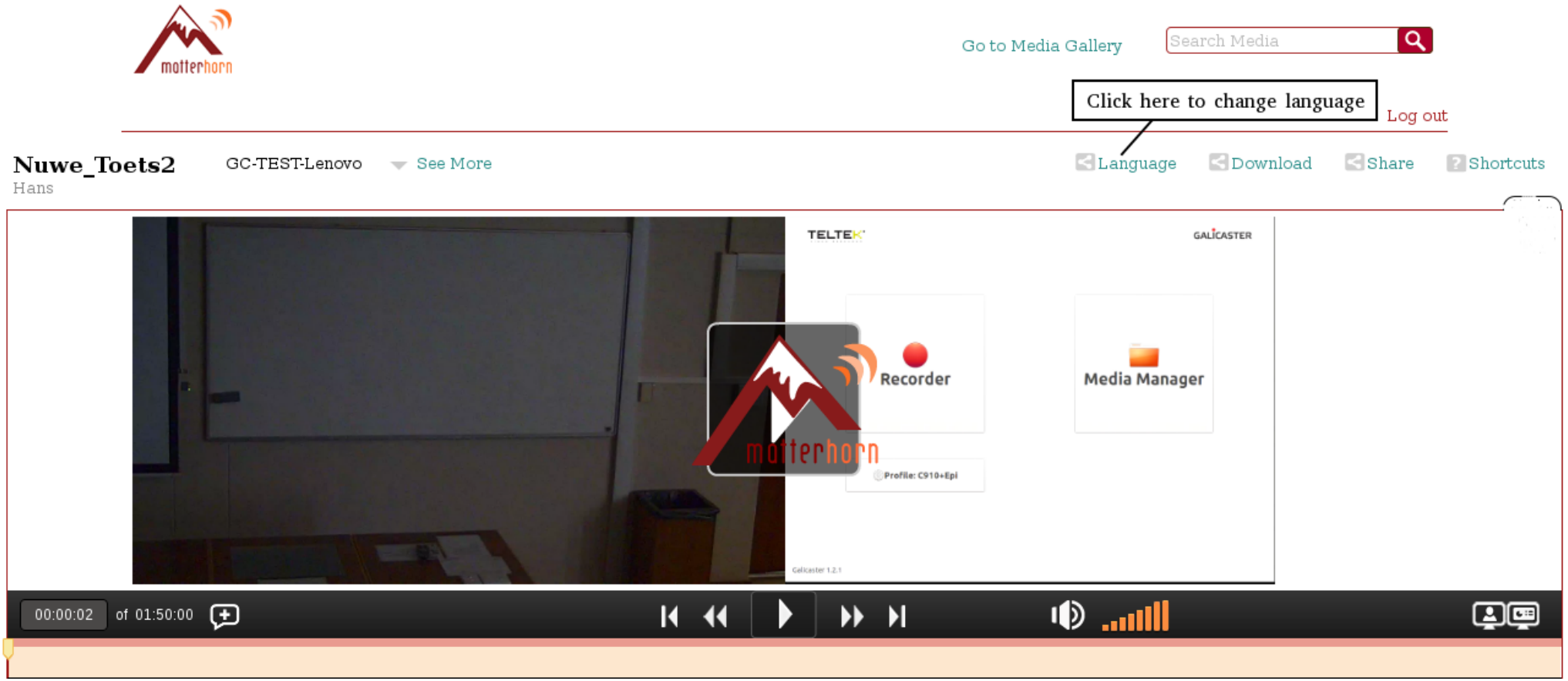
University of Manchester

North-West University (South Africa)

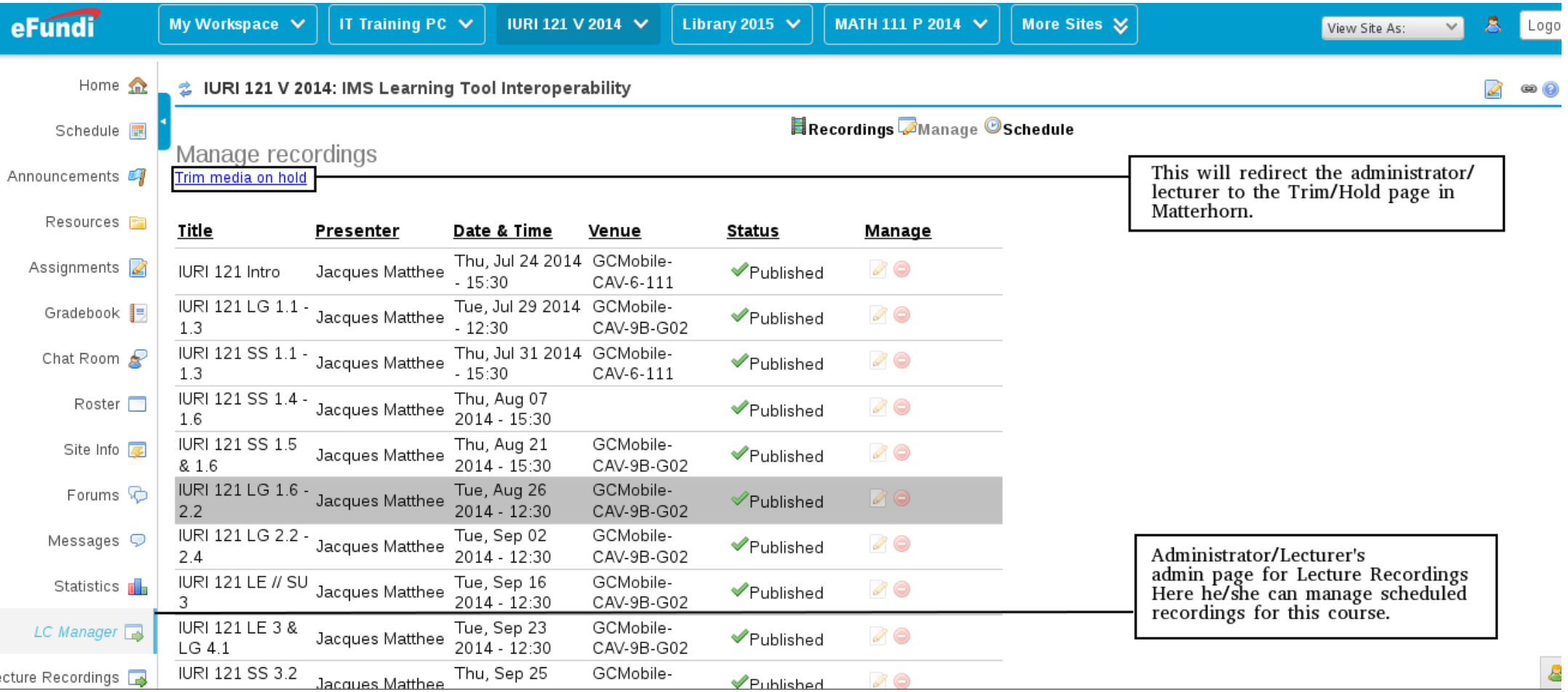
North-West University (South Africa)

- Multi-campus university
- Live streaming
- Galicaster as Capture Agent, Paella Player for HTML5 video
- User-focused service (vs. central support at UCT)
- Demo for multi-language support (drafted and implmented in weeks!)
- Java developers
- Open Source allows customization

North-West University (South Africa)

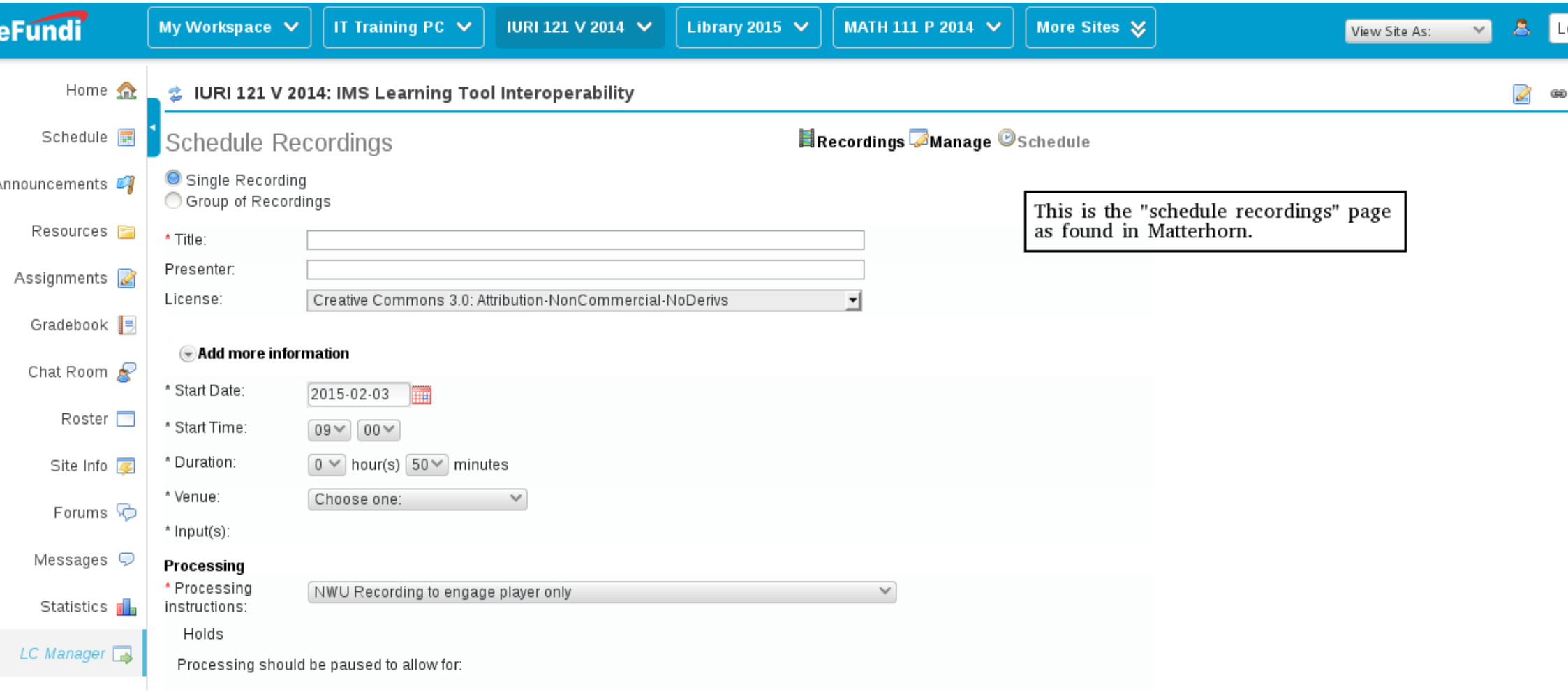


North-West University (eFundi)



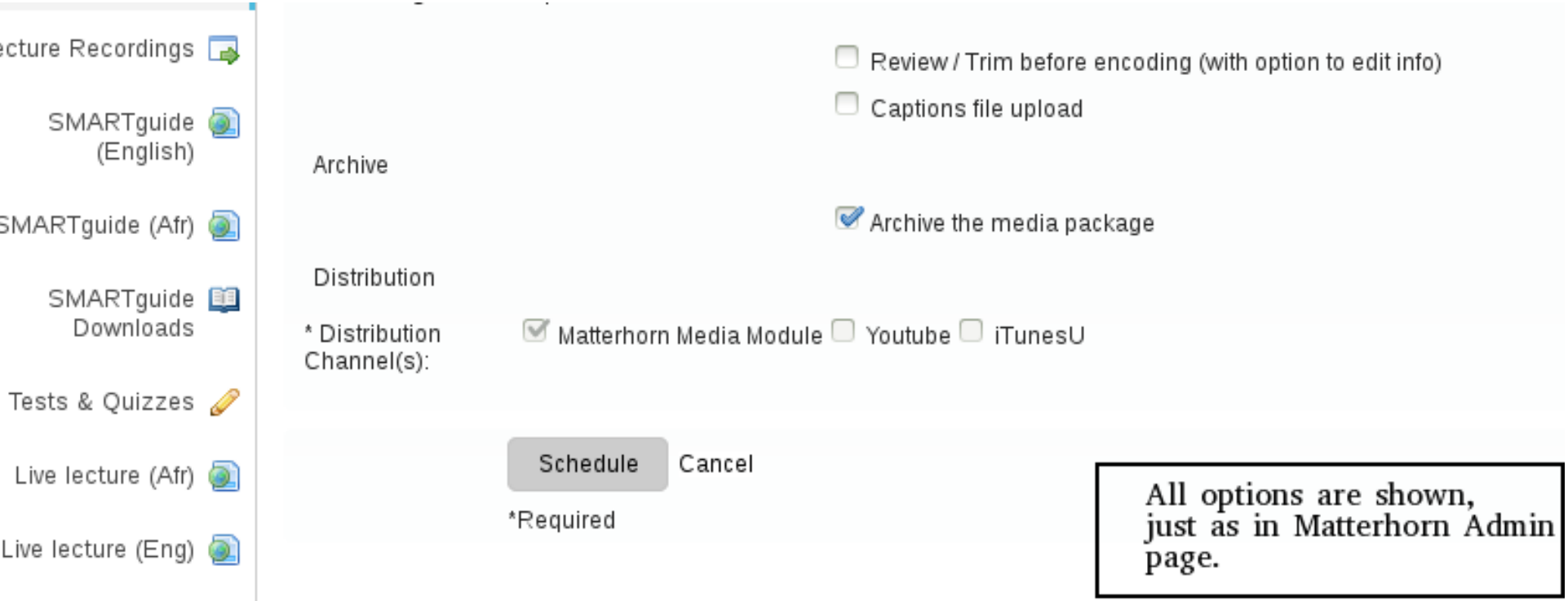
Title	Presenter	Date & Time	Venue	Status	Manage
IURI 121 Intro	Jacques Matthee	Thu, Jul 24 2014 - 15:30	GCMobile-CAV-6-111	Published	
IURI 121 LG 1.1 - 1.3	Jacques Matthee	Tue, Jul 29 2014 - 12:30	GCMobile-CAV-9B-G02	Published	
IURI 121 SS 1.1 - 1.3	Jacques Matthee	Thu, Jul 31 2014 - 15:30	GCMobile-CAV-6-111	Published	
IURI 121 SS 1.4 - 1.6	Jacques Matthee	Thu, Aug 07 2014 - 15:30		Published	
IURI 121 SS 1.5 & 1.6	Jacques Matthee	Thu, Aug 21 2014 - 15:30	GCMobile-CAV-9B-G02	Published	
IURI 121 LG 1.6 - 2.2	Jacques Matthee	Tue, Aug 26 2014 - 12:30	GCMobile-CAV-9B-G02	Published	
IURI 121 LG 2.2 - 2.4	Jacques Matthee	Tue, Sep 02 2014 - 12:30	GCMobile-CAV-9B-G02	Published	
IURI 121 LE // SU 3	Jacques Matthee	Tue, Sep 16 2014 - 12:30	GCMobile-CAV-9B-G02	Published	
IURI 121 LE 3 & LG 4.1	Jacques Matthee	Tue, Sep 23 2014 - 12:30	GCMobile-CAV-9B-G02	Published	
IURI 121 SS 3.2	Jacques Matthee	Thu, Sep 25	GCMobile-	Published	

North-West University (eFundi)



This is the "schedule recordings" page as found in Matterhorn.

North-West University (eFundi)



North-West University (eFundi)

Schedule
ouncements
Resources
Assignments
Gradebook
Chat Room
Roster
Site Info
Forums
Messages
Statistics
LC Manager
Recordings

Results 1-10 of 11 for "IURI-121-V-2014_12998095"

Previous | **Page: 1** 2 | Nex

IURI 121 LE // SU 3
by Jacques Matthee
2014/09/16, 12:30:00 PM

IURI 121 LG 2.2 - 2.4
by Jacques Matthee
2014/09/02, 12:30:00 PM

IURI 121 LG 4.2
by Jacques Matthee
2014/10/14, 12:30:00 PM

Recordings seen by all students registered for this module.

Planet Opencast

Community

http://www.opencastproject.org/

Products

http://opencast.org/matterhorn/

Lists

community@opencastproject.org

matterhorn-users@opencastproject.org

matterhorn@opencastproject.org

IRC

opencast (irc.freenode.net)

Opencast Community Summit 2015

University of Manchester, March 25th to 27th 2015

zürich

hank you for your attention.