

Technologies for Enhancing Knowledge and Training

TEMPUS ARMAZEG project meeting

*29-30 May 2014, Training Visit School of Engineering, Via S. Marta, 3
University of Florence, Florence, Italy*



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paolo.nesi@unifi.it



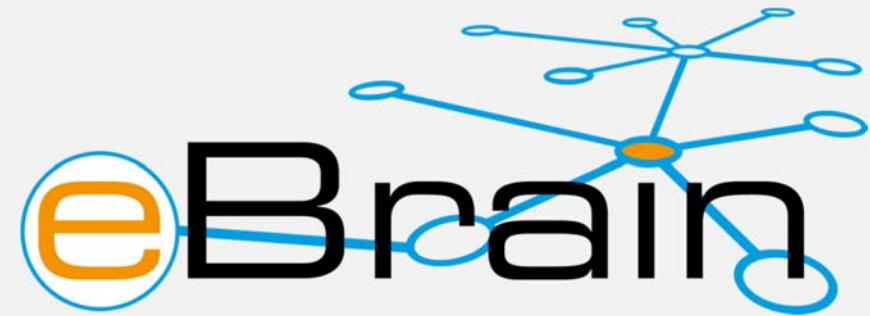
<http://www.disit.org/6050>

Major topics addressed

- **E-learning infrastructure** 
 - Tools for e-learning/distance learning
 - *References*
 - Support for blended learning
 - Distance testing and assessment
- *Advanced aspects with respect to Moodle, Atutor, etc.*
 - *Content production and development*
 - *Content management and distribution*
 - *anywhere learning*
 - *certified e-learning*
 - *social learning and networking*
 - *Knowledge management*
 - *Legal, Intellectual property management and conditional access (enabling and actuating legal control)*
 - *Scalability: Hardware/Software*

E-Learning infrastructure

- An integrated platform for:
 - Distance and blended learning
 - Certified eLearning
 - Social Learning, networking
 - Content Management
 - Content Distribution
 - IPR Management
 - Knowledge Management
 - Access with any device
 - Modular and scalable!
 - ***Solving limits of traditional LMS***



References

- **ECLAP**: life long learning, social learning
 - <http://www.eclap.eu>
- **FirstClass**: certified blended learning, paid courses
 - <http://fad.fclass.it>
- **IUF.Csavri**: blended learning for entrepreneurs incubation and spin-offs
 - <http://iuf.csavri.org>
- **APRETOSCANA**: formation for researchers
 - <http://www.apretoscana.org>
- **DISIT.DINFO.UNIFI.IT**: research management and dissemination
 - <http://www.disit.dinfo.unifi.it>
- **OSIM.UNIFI**: knowledge management for UNIFI
 - <http://openmind.disit.org>



Medical training

FIRST CLASS
EVENTS & CONFERENCES

HOME ABOUT MODE OF USE PROFILE EVENTS HELP

nicola Log out

COURSE PROGRAM

FIRST CLASS
EVENTS & CONFERENCES

HOME ABOUT MODALITÀ DI FREQUENZA PROFILE EVENTS HELP

La Depressione nell'Anziano - Prof Mauro Mauri - Direttore Psichiatria ...

- Non tutti i pazienti anziani con disturbi mentali sono inquadrabili nelle categorie diagnostiche del DSM.
- Pertanto si predilige un approccio sindromico.
- I quadri clinici più frequenti sono:
 - Insonnia
 - Stato confusionale acuto (o delirium)
 - Deficit di memoria
 - Ansia
 - Depressione
 - Sospettosità
 - Ipocondria

FIRST CLASS
EVENTS & CONFERENCES

HOME ABOUT MODE OF USE PROFILE EVENTS HELP

Caratteristiche generali e impiego della molecola Gd-EOB-DTPA

CORSO FAD

Introduzione alla colonscopia virtuale

Anti-infective therapy

Caratteristiche generali e impiego della molecola Gd-EOB-DTPA

La depressione nell'anziano

YOUR COURSES

- ECLAP for beginners
- L'INFORMAZIONE DI DOSE INTEGRATA NEI PACS
- Introduzione alla colonscopia virtuale
- Anti-infective therapy
- Caratteristiche generali e impiego della molecola Gd-EOB-DTPA
- La depressione nell'anziano

ACTIVE COURSES

- Caratteristiche generali e impiego della molecola Gd-EOB-DTPA
- La depressione nell'anziano
- L'INFORMAZIONE DI DOSE INTEGRATA NEI PACS
- Anti-infective therapy
- Introduzione alla colonscopia virtuale

FIRST CLASS
EVENTS & CONFERENCES

HOME CHI SIAMO MODALITÀ DI FREQUENZA MIO PROFILO EVENTI HELP

Effetti delle radiazioni alle basse dosi

Health risks of low dose ionizing radiation

X-rays and gamma-rays are Class I carcinogen

JAMA
Researchers Examine Long-term Risks of Exposure to Medical Radiation

THE NEW ENGLAND JOURNAL OF MEDICINE

CONCLUSIONS
Imaging procedures are an important source of exposure to ionizing radiation in the United States and can result in high cumulative effective doses of radiation.

1. Health risks of low dose ionizing radiation
2. American College of radiology
3. What we Can do Now
4. American College of radiology
5. What we Can do Now
6. Coronary procedure in Europe
7. Biological effects of radiation
8. Stochastic effects: DNA damage
9. BEIR VII report: the most recent
10. Project Cancer Risk
11. Assessing what we really know
12. American College of Radiology
13. Research priorities
14. BEIR VII Research Report

FEATURED

(1-10 of 192 in 12365 ms)

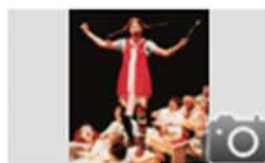


A Cinema Lesson by Carole Roussopoulos

Swiss video director Carole Roussopoulos talks about her work and her life.

12 Hits Rating ★★★★★

Actions



Scene from the performance Pippi No.2/2

Scene from the performance Pippi

2 Hits Rating ★★★★★

Actions



Trasmissione forzata, 4° puntata

Dario Fo e Franca Rame tornano in Tv nel 1988, un quarto di secolo dopo essere stati cacciati da "Canzonissima", e ne mimano l'occupazione con una compagnia di

teatranti fra i quali Enzo

6 Hits Rating ★★★★★

Actions



Lucinda Childs / Maggiodanza THE CHAIRMAN DANCE...

Video with excerpts from the dance performance "The Chairman Dances - Largo - L'Uccello di Fuoco" by Lucinda Childs for Maggiodanza within Festival Fabbrica Europa 2005 / choreographies: Lucinda

14 Hits Rating ★★★★★

Actions



film dokumentalny pt. Okno pamięci

film dokumentalny pt. Okno pamięci Leszka Mądzika, w reżyserii Andrzeja Matyni, którego premiera odbyła się w 1989 roku

1 Hits Rating ★★★★★

Actions



Scene from the performance Bartleby, the Scrivener

Bartleby The Scrivener is a surprisingly current short story by the American classical writer, Herman Melville, known almost exclusively for his novel Moby Dick. Bartleby, or "the most famous

8 Hits Rating ★★★★★

Actions

▶ MEDIA RELATIONSHIP

▼ CONTENT

- *Featured*
- *Popular*
- *Popular in the period*
- *Last Posted*
- *Top Rated*
- *Location*
- *Upload new content*

▶ ORGANIZE PERSONAL COLLECTION

▶ COMPOSE PLAYLIST

▶ ROOT

▶ KEYWORD CLOUD

▶ QUERY CLOUD

▶ CLASSIFICATION

▶ GROUPS

▶ POTENTIAL COLLEAGUES

▶ STATISTICS ON YOUR ACTIVITIES

▶ STATISTICS ON YOUR GROUPS

▶ STATISTICS ON DOWNLOADS

▶ STATISTICS ON QUERIES

▶ STATISTICS ON ACTIONS

Numbers

- >35 partner from Europe + Chile, Russia, South Africa
- >170.000 content, 300.000 items
- Descriptive metadata in 13 languages
- Interface in 21 languages
- Accessed from 184 Countries
 - Mainly from: Italy, UK, Spain, US, NL, B, SI, Hu, Fr, Pl, Pt, Gr, D, Bz, Ind, Sw, Au, Rs, Ca, etc.
- More than 35 groups
- More than 500 different file formats



CENTRO TEATRO ATENEIO
CENTRO DI RICERCA SULLO SPETTACOLO



SAPIENZA
UNIVERSITÀ DI ROMA

museum

ESMAE | POLITÉCNICO DO PORTO



UNIVERSITY OF AMSTERDAM



INSTITUTE OF POLISH CULTURE
University of Warsaw
Faculty of Polish Studies

maa
museum of
archaeology &
anthropology



University of Glasgow | Department of
History of Art



Fondazione RINASCIMENTO
digitale

nuove
tecnologie
per i beni
culturali

FILMS DE
FEMMES



Diputació
Barcelona

Institut del Teatre

mae

Centre de Documentació
i Museu de les Arts Escèniques



DARIO FO E FRANCA RAME

artea



országos
színháztörténeti
múzeum
és intézet



Associazione Culturale Onlus
ICT Ad Duae Lauros

www.duaslauros.it - duaslauros@gmail.com

Teatro
Napoletano

DIGITAL CULTURE



ACCADEMIA NAZIONALE
DI SANTA CECILIA
Fondazione

FONDAZIONE
FABBRICAEUROPA
PER LE ARTI CONTEMPORANEE



INSTYTUT
IM. JERZEGO
GROTOWSKIEGO



UNIVERSITY
of DERBY



NATIONAL
AUDIOVISUAL
INSTITUTE

digiLab

medioteca delle scienze umanistiche

UNISA
university
of south africa



Compliant for granting CME formal credits

- To acquire formal credits...
 - Users have to correctly answer at least the 75% of questions
 - Check of consistency regarding the profession of the user and the objectives of the course
 - User activities tracking and monitoring
 - Obligation to submit the questionnaire for the evaluation of the course quality
 - Possibility to repeat the final assessment questionnaires

Summary of your previous attempts

Attempt	Completed	Feedback
1	Wednesday, 22 January 2014, 12:03 PM	Hai risposto in modo corretto a più del 75% delle domande.

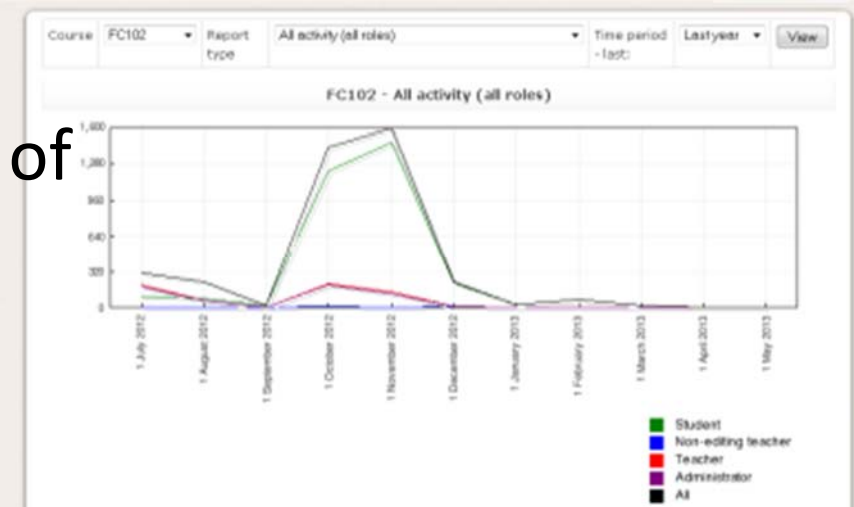
Overall feedback

Hai risposto in modo corretto a più del 75% delle domande.

Risposte corrette: 97% (certificato inviato)

ATTENZIONE, PER DISCIPLINE DIVERSE DA QUELLA INSERITA IN FASE DI REGISTRAZIONE NON VERRANNO RILASCIATI CREDITI FORMATIVI

[LINK AL CORSO FAD](#)



Functionalities can be fully personalized/configured

Other access control functionalities...

- Access via personal code

Insert here your personal code

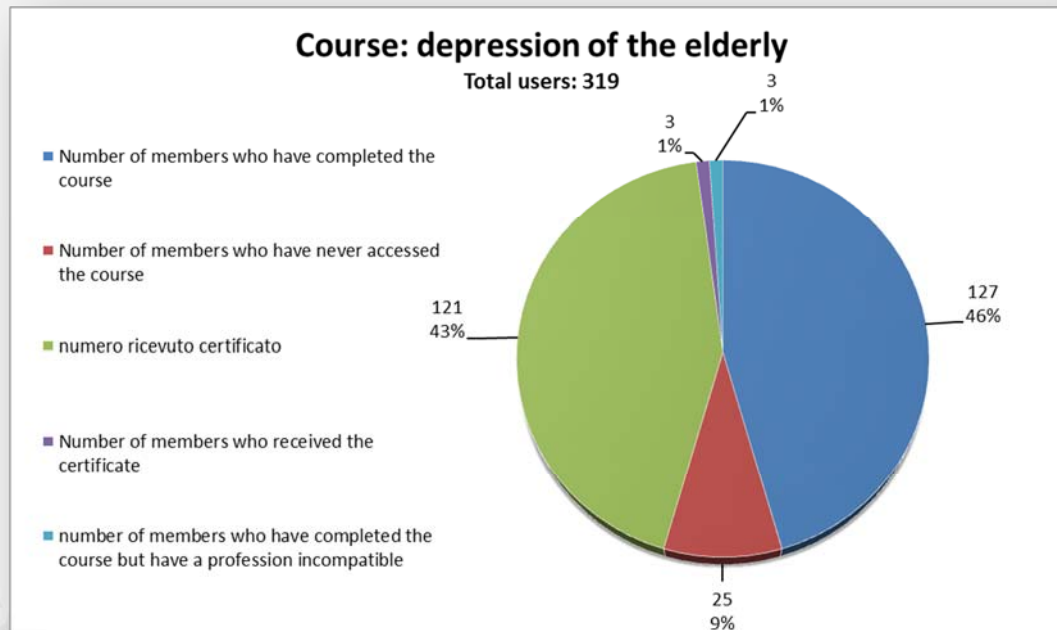
A personal code is necessary to enter in the course. It is required only for the first access.

ATTENTION: WRONG CODE!!! The code inserted seems to be yet used. For any problem please send an email to info@fclassevents.com

COURSE PROGRAM

Anti-infective therapy

- Advanced monitoring and assessment, evaluation tools



Major topics addressed

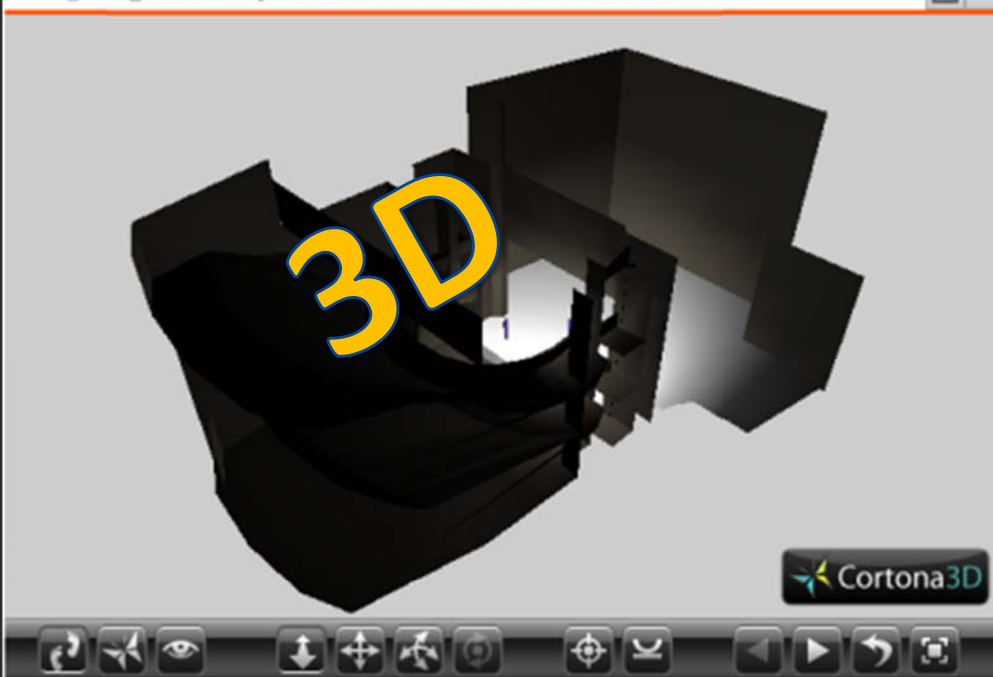
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Content production and development

Any kind of content ...

- **Informative content**
 - Video, audio, images, documents
 - 3D, animations, Braille
 - Slides, Video-Slide, courses
 - **eBook**, ePub, Mpeg21, intelligent content
- **Aggregated content:**
 - Courses, Playlists, Collections
 - Annotations, Synchronized content
- **content for networking:**
 - Blog, Webpages, events, comments, forums, votes, messages
 - *suggestion and recommendations*



Performing Arts Quiz

Results
Correct:0
Wrong:0

Question 1

In dance, the term *form* most commonly refers to the:

A. relationship between dancers and space in a work.
B. theme on which a work is based.
C. rhythmic pattern to which a work is set.
D. structural organization of a work.

the correct answer:

A B C D

This is just an example...



Animations with interactions

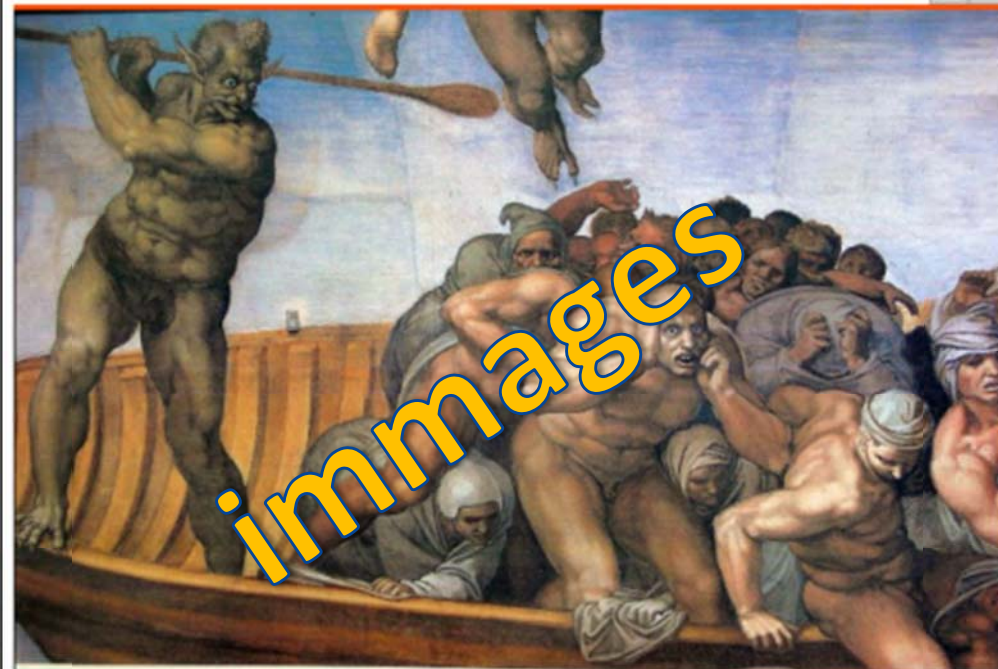
ACTIONS



Synchronized slides e videos

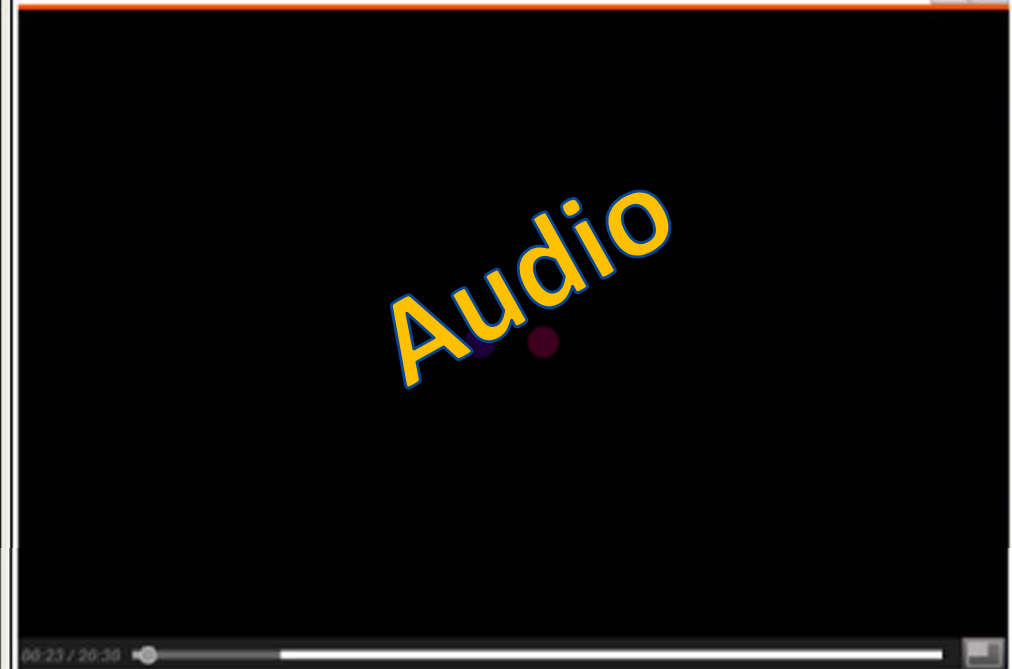
00:24 / 45:28

ACTIONS



images

ACTIONS



Audio

RELOAD

Pause icon

ACTIONS



Title Page

epubBooks Information

I—DOWN THE
RABBIT-HOLE

II—THE POOL OF TEARS

III—A CAUCUS-RACE
AND A LONG TALE

IV—THE RABBIT SENDS
IN A LITTLE BILL

V—ADVICE FROM A
CATERPILLAR

VI—PIG AND PEPPER

VII—A MAD TEA-PARTY

VIII—THE QUEEN'S
CROQUET GROUND

IX—WHO STOLE THE
TARTS?

X—ALICE'S EVIDENCE

III—A CAUCUS-RACE AND A LONG TALE

They were indeed a queer-looking party that assembled on the bank—the birds with draggled feathers, the animals with their fur clinging close to them, and all dripping wet, cross and uncomfortable.



The first question, of course, was how to get dry again. They had a consultation about this and after a few minutes, it seemed quite natural to Alice to find herself talking familiarly with them, as if she had known them all her life.

At last the Mouse, who seemed to be a person of some authority among them, called out, "Sit down, all of you, and listen to me! *I'll* soon make you dry enough!" They all sat down at once, in a large ring, with the Mouse in the middle.

"Ahem!" said the Mouse with an important air. "Are you all ready? This is the driest thing I know. Silence all 'round, if you please! 'William the Conqueror, whose cause was favored by the pope, was soon submitted to by the English, who wanted leaders, and had been of late much accustomed to usurpation and conquest. Edwin and Morcar, the Earls of Mercia and Northumbria'—"

"Ugh!" said the Lory, with a shiver.

ePub and eBook



- HOME
- ABOUT
- PROFILE
- CONTENT
- COMMUNITY
- SEARCH
- SERVICES
- EVENTS
- HOWTO

root Exit

MYSTORYPLAYER



Annotation info

Dario Fo dirige il coro delle risate

Start-end: 00:00:07 - 00:00:59

Duration: 00:00:52



Dario Fo dinanzi al pubblico della Palazzina



SEARCH FOR ANNOTATIONS

Description contains:

Classification:

Refers to:

SEARCH FOR EXPERIENCES

SEARCH RESULTS

Found 79 annotations in 57 video

Image A kopasz énekesnő

Video you PARA | DISO

- 00:00:00-00:00:13 this is a dance performance
- 00:00:01-00:06:17.7 this is a test annotation
- 00:00:01-00:06:17.7 annotation video on video
- 00:00:01-00:06:17.7 you paradiso and europeana presentation reproduced synchronously
- 00:00:01-00:06:17.7 this is a dance performance
- 00:00:02-00:04:17 you paradiso and Richard Schechner about performing arts
- 00:00:04-00:00:35 test annotation
- 00:00:11-00:06:17.7 no description
- 00:00:31-00:01:31 dancers
- 00:00:40-00:01:56 no description

Choose amongst these classifications:

Content Aggregations

- Play Lists
- Collections
essay
- Without
resource
change
- Diff. models
- Diff. Semantic
to play them
- MD as content

eclap
e-library for performing arts

playlist

HOME ABOUT PROFILE CONTENT COMMUNITY SEARCH SERVICES EVENTS HOWTO paolo Exit

Social Dinner

METADATA

Title
Social Dinner

Subject
Social Dinner

Description
dinner time in Florence during the KickOff Meeting

Technical

Classification

IPR information

PLAYLIST'S PLAYBACK

ECLAP Kick off meeting pictures

▶ 1. Social Dinner

▪ 2. Eclap Women

▪ 3. ECLAP Kick-off meeting

3 items Loop:

ACTIONS

Average:
☆☆☆☆☆
not yet ranked, be the first one to rate this content.

Facebook Twitter LinkedIn YouTube Instagram SoundCloud

Add Annotation

Recommend

Add to Playlist

Remove Favorite

Mark as featured

SIMILAR OBJECTS

Jay Pritzker Pavilion, Millenium Park, Chicago
Frank Gehry, winner of the National Medal of Art, applied his signature style to this revolutionary outdoor concert venue. The Pavilion stands 120-feet high, with a billowing headdress of brushed stai ...
126 Hits

DISIT Lab, Univ. Florence, 2014

17

Content Management

- *Any kind* of content format
- Organized for Groups (Faculties, classes, courses, ...)
- **Multilingual Index and Search facility**
 - **personalized per group**
 - Faceted search
 - Multilingual Taxonomy
 - Full text indexing
 - simple and advanced search
- **Content upload/publication**
 - granted to teachers and qualified users in a fine manner
- **Content management** for supervisors for each group
- **Content ingestion:** manual and automated
<http://www.eclap.eu/3739>
- Management of **User Generated Content**



- Wall
- Edit
- Who online
- Members
- Blog
- Pages
- Objects
- Forum
- Broadcast
- Devel

List Manage Objects

GENERAL MANAGEMENT

Hidden Workflow type Void content Published in Europeana IPR model type
 IPR model applied Published by WF state

▼ Actions

Select the action you want to apply to the selected objects

Set to hidden

▶ Additional IPR Information

▶ Additional Taxonomy Information

- <Any>
- Uploaded
- Under-Enrichment
- Under-IPR
- Under-AXCP
- Under-Validation
- Under-Approval
- Published

after.:

<input type="checkbox"/>	Contento	hidden	WF type	Void content	Published in Europeana	IPR model applied	IPR model type	Published by	WF state
<input type="checkbox"/>	SOFA score	not hidden	ECLAP	not void	not published	Public-as-it-is	public	AXMEDIS Cross Media Finder (Incoherent)	Upload
<input type="checkbox"/>	APACHE 2 score	not hidden	ECLAP	not void	not published	None	NONE	AXMEDIS Cross Media Finder (Incoherent)	Upload
<input type="checkbox"/>	Theatre curtain	not hidden	ECLAP	not void	not published	Public-as-it-is	public	AXMEDIS Cross Media Finder (Incoherent)	Upload
								AXMEDIS	

CONTENT

ORGANIZE PERSONAL COLLECTION

Select resources to add to collections

- Festuge Holstebro 1998
- Vertigo Bird (excerpt from dance film)

My published personal collections

- ▶ europeana documents
- ▶ Ipaddemo
- + New collection

ROOT

KEYWORD CLOUD

QUERY CLOUD

CLASSIFICATION

GROUPS

STATISTICS ON YOUR ACTIVITIES

STATISTICS ON YOUR GROUPS

STATISTICS ON DOWNLOADS

STATISTICS ON QUERIES

STATISTICS ON ACTIONS

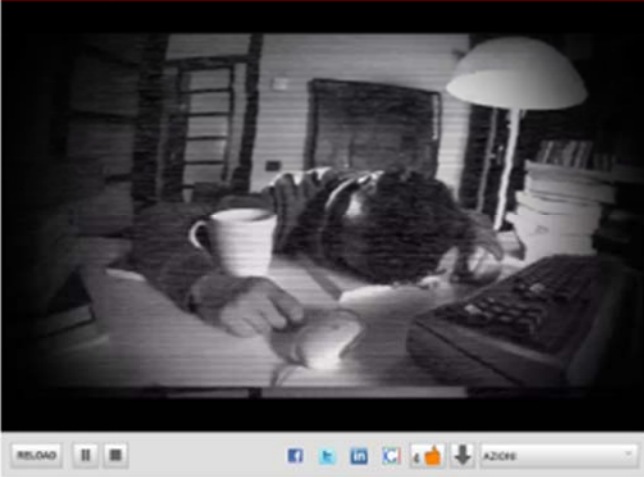
SOCIAL NETWORK ANALYSIS

- Analysis of User Eccentricity
- Analysis of User Betweenness
- Analysis of Users' Connections

Metadata

- **Dublin Core:** general, multilingual and multi-instances (e.g., title, authors, description, subjects, ..)
- **Semantic:** content description, taxonomy, tags, annotations, etc., multilingual & multi-instances
- **Groups:** one or more groups
- **Technical:** duration, file format, dimension, editor, publisher, any IDs, etc. etc.
- **Augmented Reality: GPS, QR,..**
- **Enriched Links to Europeana, dbPedia, Geonames**
- **Intellectual Property: IPR, licences for MD, licences for profiling the conditional access**
- **Workflow metadata: status, dates, versioning, etc.**
- Etc.

ECLAP film promozionale



METADATA

Lingue del metadata

Some of these metadata have been automatically translated. Original metadata are in English.

Titolo
ECLAP film promozionale

Creazione
ECLAP

Classificazione

SW information

Tecnica

W access
18170

Formato
video

Tipo video

Duration
00:05:24.9

Qualità video disponibili
LD MD HD

Disponibile sulla piattaforma
PC, iPhone/iPad, Android, Windows Phone 7

Upload data
Mon, 2013-05-14 08:43

Utente che lo ha caricato
NICOLA

File name originale
LiveShow-720p-24fps-ECLAP-FINAL.mp4

Tipi di workflow
European

Content url
link to this content

QR code



OGGETTI SIMILI IN TERMINI DI TESTO

Video promozionale Archivio Franca Rame
Gara negoziale per la produzione del... Franca Rame e ...

Video promozionale di ECLAP promozional film backstage photo
ECLAP promozional film backstage photo

COMMENTI

LEGGI ANCORA

Leave a comment here

Salva

- Is anyone guessing what it is going to happen after ??
Lun, 2013-05-26 22:52 - root
Rispondi
- Is anyone guessing what it is going to happen after ??
Lun, 2013-05-26 22:46 - root
Rispondi



Multilingual portal

Multilingual metadata

QR codes

Geolocation

LOCATION MAP

any types deep search 56

HOME ABOUT PROFILE CONTENT COMMUNITY SEARCH SERVICES EVENTS HOWTO

Map Satellite Hybrid

26 elements in Federal Republic of Germany

CONTENT

- Featured
- Popular
- Popular in the period
- Last Posted
- Top Rated
- Location
- Upload new content

ORGANIZE PERSONAL COLLECTION

- ROOT
- KEYWORD CLOUD
- QUERY CLOUD
- CLASSIFICATION
- GROUPS
- POTENTIAL COLLEAGUES

boloska stefania bolognesi, Female ITALY
Add to your colleagues Details

HOME ABOUT ▾ PROFILE ▾ CONTENT ▾ COMMUNITY ▾ SEARCH ▾ SERVICES ▾ EVENTS ▾ HOWTO ▾
root Exit

METADATA EDITOR

Search Panel

Metadata Panel

Apply Changes

Content to be processed

History

Workflow

Close Metadata Editor session

WORKFLOW X

State	Under-Enrichment
Type	EclapWorkflow
Target	Test
Last User	root
Last Access	2012-07-15 20:06:05
Native Metadata Number	10
Total Metadata Number	46
Validated Metadata	0
Enriching Activities	2
Last Comment	

PREVIEW

METADATA PANEL

DCMI TAXONOMY GROUPS PERFORMING ARTS PROPERTIES

Reference

< en ca da de el es fr hu >

dc.Title:
DSI DISIT in trouble for the snow ! By: root

dc.Creator:
paolo By: root

dc.Description:
DSI DISIT in trouble for the snow !
Do not be afraid, everithing will be fine for the verification meeting of By: root

dc.Subject:
DSI DISIT in trouble for the snow ! By: root

dc.Publisher:
DISIT By: root

dc.Contributor:
paolo By: root

Changes

< en ca da de el es fr hu >

dc.Title:
DSI DISIT in Schwierigkeiten für den Schnee! ? ? ? ? ?

dc.Creator:
? ? ? ? ?

dc.Description:
DSI DISIT in Schwierigkeiten für den Schnee!
 Haben Sie keine Angst, everithing wird gut für... ? ? ? ? ?

dc.Subject:
DSI DISIT in Schwierigkeiten für den Schnee! ? ? ? ? ?

dc.Publisher:
? ? ? ? ?

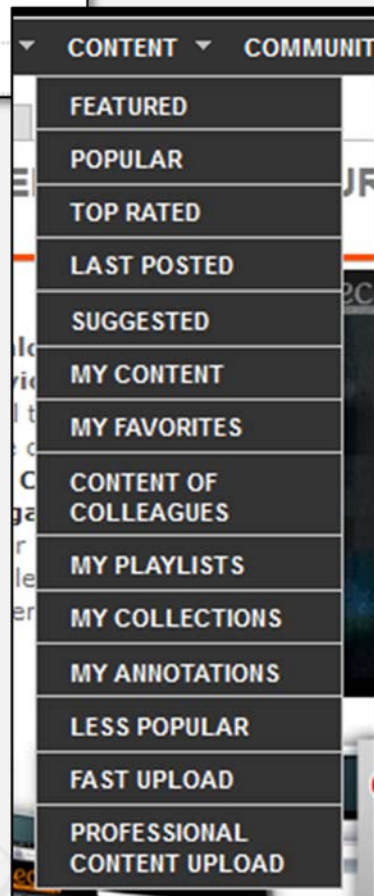
dc.Contributor:
? ? ? ? ?

Content distribution

- **Ready to use list of content**
- **Content can be:**
 - Promoted and shared on social network
 - Embedded in third party pages
 - Protected and Controlled
 - Distributed towards **any kind of device**
- **Automatically delivered as:**
 - metadata towards Europeana
 - LOD: linked open data, SAPAQL entry point
 - LD: Linked data



Available Content lists



- From block and menu
 - Fully Configurable!!!
- Pre-calculate
 - Usage
 - Locality
- Personal
 - Favourites
 - Featured
 - Playlist
 - Collections
 - Suggested
 - Uploaded
 -

Personal home page per user

The screenshot shows the ECLAP user profile page. The page is divided into several sections, with several key sections highlighted by red circles:

- SOCIAL GRAPH**: A section at the top left, circled in red.
- POPULAR**: A section below Social Graph, circled in red.
- LAST POSTED**: A section below Popular, circled in red.
- TOP RATED**: A section below Last Posted, circled in red.
- CONTENTS FROM YOUR COLLEAGUES**: A section below Top Rated, circled in red.
- YOUR UPLOADS**: A section at the bottom left, circled in red.
- YOUR FAVORITE**: A section at the bottom left, below Your Uploads, circled in red.


The right sidebar contains several sections:

- CONNECTION REQUESTS**: Received connection requests from colleagues. Includes a list of users like p.nesi with options to accept or deny requests.
- CONTENT**: A list of content categories such as Social Graph, Featured, Popular, Popular in the period, Last Posted, Top Rated, Location, and Upload new content.
- ORGANIZE PERSONAL COLLECTION**: A section for organizing personal content.
- ROOT**: A section for root content.
- KEYWORD CLOUD**: A section for keyword clouds.
- QUERY CLOUD**: A section for query clouds.
- CLASSIFICATION**: A section for content classification.
- GROUPS**: A list of groups including ECLAP Best Practice Network, WG: Intellectual Property and Business Models for Content, WG: Performing Arts Education and Training tools, WG: Digital Libraries Tools, Accademia Nazionale di Santa Cecilia, ANSC, Italia, and Associazione Archibaille (ACCESSIBLE MUSIC SCORES), ARCHIBRAILLE, Italia.

Content Embedding/ promotion

- Content can be embedded and promoted in other WEB Portals via “Copy HTML” function
- E-Brain generates the code to be included for

- Citations:




you PARA | DISO
In July 2010 Emio Greco and Pieter C. Scholten presented their performance "you PARA | DISO" at Salle Garnier de l'Opéra de Monte-Carlo. You PARA | DISO is the last performance around Dante's Divina Commedia. Similar to the last part of the book the subject of this performance is paradise. In the run up to the première of you PARA | DISO they will take you along their journey to paradise. But what is it that we call paradise? By means of ten questions, with which they have also been confronted in their artistic process, they try to get closer to the essence of paradise. Let's all go to Paradiso!

- Embedding (insert player):



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 - Support for blended learning
 - Distance testing and assessment
- Advanced aspects with respect to Moodle, Atutor, etc.
 - *Content production and development*
 - *Content management and distribution*
 - ***anywhere learning*** 
 - *certified e-learning*
 - *social learning and networking*
 - *Knowledge management*
 - *Legal, Intellectual property management and conditional access (enabling and actuating legal control)*
 - *Scalability: Hardware/Software*



anywhere learning



SAMSUNG SMART TV

Some Links to mobile Applications

- Mobile Medicine

- <https://itunes.apple.com/us/app/mobile-medicine/id359865882?mt=8>

- Content Organizer


- <https://itunes.apple.com/us/app/content-organizer-lite/id469941163?mt=8>

- <http://www.disit.org/android/AXM4Android.apk>

- First Class

- <https://itunes.apple.com/it/app/first-class/id870445371?mt=8>

certified e-learning

- Certification
 - AGENAS Compliant for CME formal credits (Continuous Medical Education):
 - European certification, in progress
- Compliant with the
 - requirements of the Italian regions agreement for e-learning training on safety and health at work



social learning

- **Groups** management with **multitenacy**
- **Connection with social networks**



- Social icons for promotion on several SN

- Contact import

- Right Block for twitter



- Right Block for Facebook and application on Facebook

- **Networking:**

- blog, messages, comments, etc. (see all instances)

- Newsletters (see: ECLAP, ApreToscana, IUF, etc.)

- Match Making (see APREToscana)

Integration with Social Network

- **Recommendations**

- Direct: emails and messages
- Towards Social network, social icons: for example:



- **Acquisition of contacts from other Social Network**

- [Build your net in ECLAP](#)
- <http://www.eclap.eu/drupal/?q=user/openinviter>
- Once imported the content,
 - The tool will help you in verifying if they are registered in
 - If yes, you can connect them to you
 - If not, you can automatically invite them to join you on the service.

Registration of knowledge and skills

- Each registered user has a personal homepage...
 - The system take trace of the information in the user profile
 - The system monitors actions performed by the user on the portal (activities done, queries, content viewed, etc.)
 - The system suggests to the user contents, colleagues and thematic groups that could be interested for the users (on the basis of its interests)
 - Suggestions are personalized for the single user
 - Personalized newsletter

The screenshot shows a user's profile on the eclap platform. The page is titled 'SOCIAL GRAPH' and features several sections:

- YOUR UPLOADS:** A row of five 'ECLAP promotional film backstage photo' thumbnails.
- POPULAR IN THE PERIOD:** A row of five thumbnails for 'Designing Shakespeare: Hamlet', 'Designing Shakespeare: Antony', 'Designing Shakespeare: video', 'Designing Shakespeare: video', and 'Designing Shakespeare'.
- LAST POSTED:** A row of five thumbnails for 'Teatro della spontaneità', 'Use ville sans dessus dessous!', 'Media Crawling from European Aggre...', 'Great NEW !!!! MyStoryPlayer ver...', and 'Shakespeare's Globe Theatre, London'.
- TOP RATED:** A row of five thumbnails for 'The Taste of Silence Always Resonates...', 'Set design and building laboratory of...', 'Scene from the performance The ...', 'Il comico. Seminario di Alberto Sordi', and 'Alberto Sordi in caccia a "La...'.
- YOUR FEATURED:** A row of two thumbnails for 'ECLAP promotional film' and 'Conference ECLAP: Snailish stage'.
- YOUR FAVORITE:** A row of five thumbnails for 'The Italian in Algiers, Act I', 'ECLAP promotional film', 'The Wonderful World of Robots-ID', 'CTA UFFICIALE presentation video', and 'Genio'.
- POTENTIAL COLLEAGUES:** A row of five profile icons for 'carolinamedia', 'marcellone', 'lithelice', 'paco54', and 'ramonitaghoctwxfj'.
- LATEST PUBLICATIONS OF YOUR GROUPS:** A row of five thumbnails for 'Centro Teatro A...', 'Centro Po & Fran...', 'WG Performin...', 'Festival Intern...', and 'Development'.

On the right side, there is a 'CONTENT' sidebar with sections for 'Social Graph', 'FROM TWITTER...', 'CLASSIFICATION', 'THEMATIC GROUPS', and 'CONTENT PROVIDERS'. A blue arrow points from the text 'The system take trace of the information in the user profile' to the 'YOUR UPLOADS' section. Another blue arrow points from the text 'Suggestions are personalized for the single user' to the 'YOUR FAVORITE' section.

SocialGraph

- A tool for visualizing and browsing relations and connections among USERS and among Users and Content

- SOCIAL GRAPH

- SOCIAL GRAPH

of relations

<input checked="" type="checkbox"/> Creator	<input checked="" type="checkbox"/> Groups	<input checked="" type="checkbox"/> Favorite	<input checked="" type="checkbox"/> Taxonomies
<input checked="" type="checkbox"/> Collections	<input checked="" type="checkbox"/> Annotations	<input checked="" type="checkbox"/> Comments	<input checked="" type="checkbox"/> Related Objects
<input checked="" type="checkbox"/> Colleagues	<input checked="" type="checkbox"/> Publications	<input checked="" type="checkbox"/> User's favorites	<input checked="" type="checkbox"/> Group member
<input checked="" type="checkbox"/> Administrators	<input checked="" type="checkbox"/> Avatars	<input checked="" type="checkbox"/> Object list	

Matchmaking

Tool to match offers/requests of competencies, meetings booking support tool

List of matchmaking events

Multilingual management of profiles

APRE TOSCANA
AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA

HOME ABOUT SERVICES EVENTS COMMUNITY JOIN SEARCH

COMPANY/LAB PROFILE (PAL)

Prenota incontro: Pisa, 10-07-2013 Prenota incontro: Firenze, 11-07-2013

Lista dei tuoi Profili Azienda/Laboratorio (PAL) Modifica questo Profilo Azienda/Laboratorio (PAL)

Ricerca dei Profili Azienda/Laboratorio (PAL) e di Domande/Offerte

PAL id: 1

Nome/Denominazione: DISIT LAB (distributed systems, knowledge engineering, smart cities, smart cloud, data analytics, semantic computing), Dipartimento di Ingegneria dell'Informazione, Università degli studi di Firenze

Pubblico: Si

Lingue disponibili: EN-US IT

autore: paolo nesi (scrivi un messaggio)

Address: Via S. Marta, 3, Firenze, 50139

Referente: Paolo Nesi

Email del Referente: paolo.nesi@unifi.it

Sito web: <http://www.disit.dinfo.unifi.it/>

Partita IVA e Codice 01279680480

Fiscale:

Codice ATECO:

Tipo di impresa: No Profit

Attività Primaria: Ricerca

Keywords: distributed and mobile systems - Semantic computing, Artificial Intelligence, data mining - cloud computing, grid computing - social media, social networking, social graph - smart city, mobility, - protection systems, DRM, media protection - intelligent content, MPEG-21 - music modeling, audio transcoding - natural language processing, NLP - e-learning, distance learning, ECM - formal methods, software engineering

Descrizione: DISIT is an open access innovation and research lab devoted to technology transfer. DISIT main activities are related to International - National and Local Research Projects. Furthermore DISIT has developed research for industrial partners.

CONTENT

- Most Viewed (last 1000)
- Last Posted
- Top Rated
- My published collections
- Upload new content

CLASSIFICATION

GROUPS

CALENDAR

May						
M	T	W	T	F	S	S
	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Add Event

MATCH MAKING multiplace

APRE
Agenzia per la Promozione della Ricerca Europea

UNIVERSITÀ INCUBATORE
FIRENZE

INCUBATORE

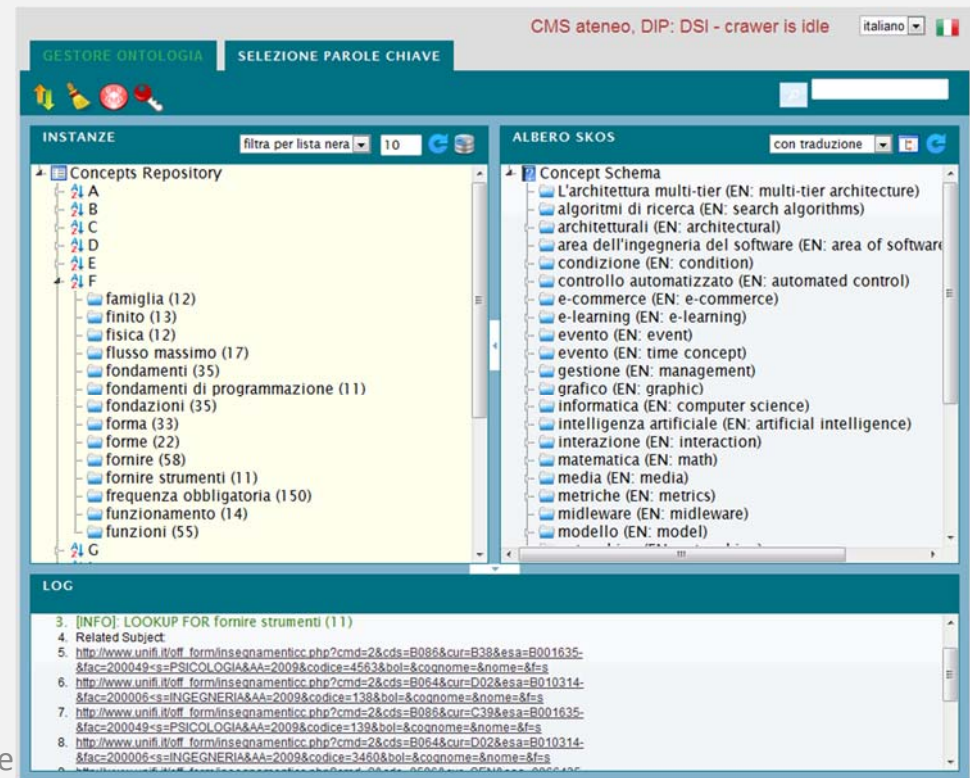
Major topics addressed

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 - ***Knowledge management*** ←
 - *Legal, Intellectual property management and conditional access (enabling and actuating legal control)*
 - *Scalability: Hardware/Software*

Knowledge management

- Integration with OSIM for:
 - Publication ingestion, indexing and relationships management with users
 - Indexing and extracting competence from CV, Courses, publications.

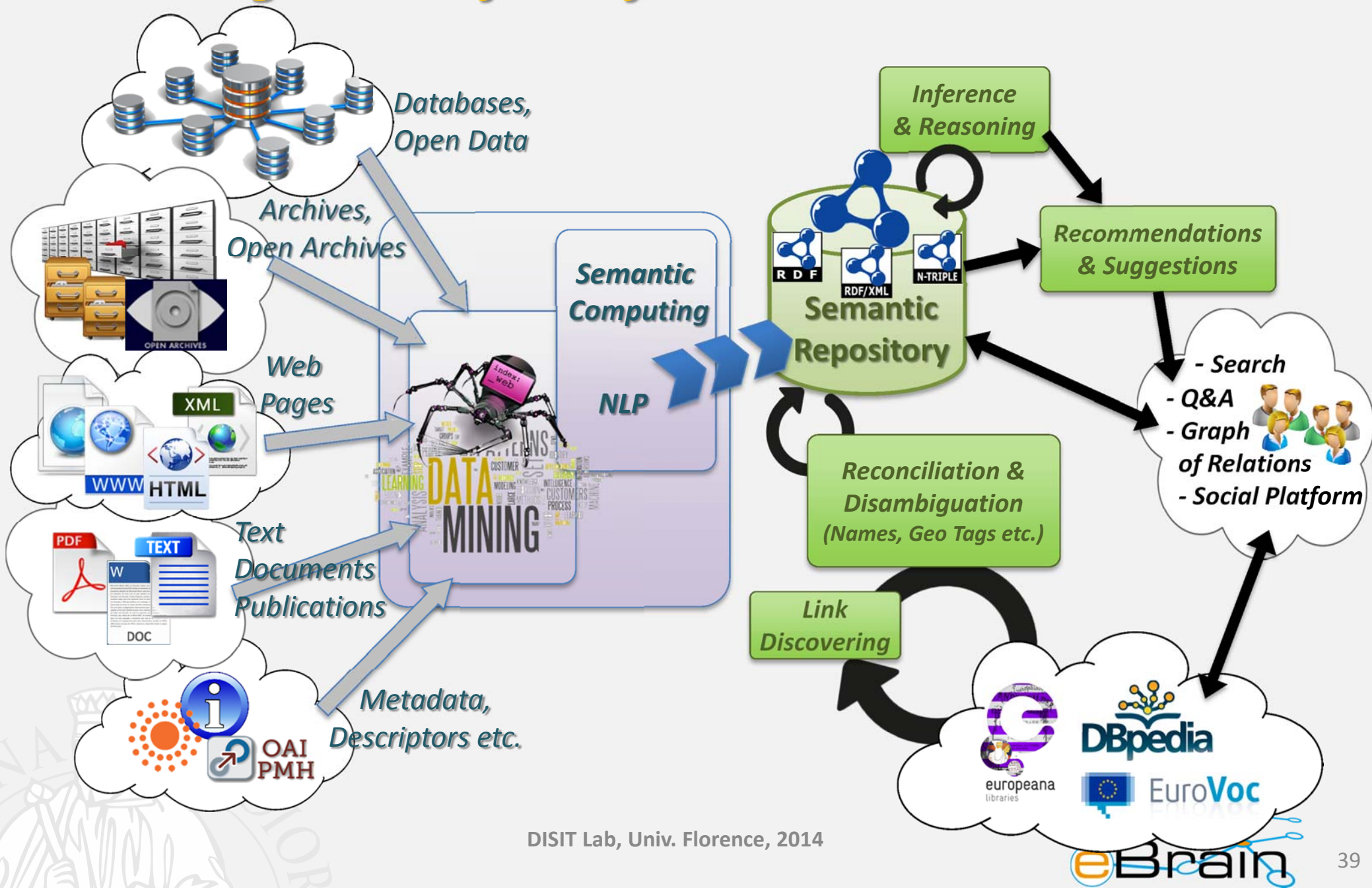
- <http://openmind.disit.org>



The screenshot displays the OSIM interface with the following components:

- Language:** italiano
- Page Title:** CMS ateneo, DIP: DSI - crawler is idle
- Navigation:** GESTORE ONTOLOGIA, SELEZIONE PAROLE CHIAVE
- Search:** Input field with a search icon.
- INSTANZE (Instances):**
 - filtera per lista nera: 1.0
 - Concepts Repository tree:
 - A
 - B
 - C
 - D
 - E
 - F
 - famiglia (12)
 - finito (13)
 - fisica (12)
 - flusso massimo (17)
 - fondamenti (35)
 - fondamenti di programmazione (11)
 - fondazioni (35)
 - forma (33)
 - forme (22)
 - formire (58)
 - formire strumenti (11)
 - frequenza obbligatoria (150)
 - funzionamento (14)
 - funzioni (55)
 - G
- ALBERO SKOS (SKOS Tree):**
 - con traduzione
 - Concept Schema tree:
 - L'architettura multi-tier (EN: multi-tier architecture)
 - algoritmi di ricerca (EN: search algorithms)
 - architetture (EN: architectural)
 - area dell'ingegneria del software (EN: area of software)
 - condizione (EN: condition)
 - controllo automatizzato (EN: automated control)
 - e-commerce (EN: e-commerce)
 - e-learning (EN: e-learning)
 - evento (EN: event)
 - evento (EN: time concept)
 - gestione (EN: management)
 - grafico (EN: graphic)
 - informatica (EN: computer science)
 - intelligenza artificiale (EN: artificial intelligence)
 - interazione (EN: interaction)
 - matematica (EN: math)
 - media (EN: media)
 - metriche (EN: metrics)
 - middleware (EN: middleware)
 - modello (EN: model)
- LOG:**
 - 3. [INFO] LOOKUP FOR formire strumenti (11)
 - 4. Related Subject
 - 5. http://www.unifi.it/woff_forminsegnamentilic.php?cmd=2&cds=B086&cur=B38&esa=B001635-8fac=200049-s=PSICLOGIA&AA=2009&codice=4563&bol=&coqnome=&nome=&f=s
 - 6. http://www.unifi.it/woff_forminsegnamentilic.php?cmd=2&cds=B064&cur=D02&esa=B010314-8fac=200006-s=INGEGNERIA&AA=2009&codice=138&bol=&coqnome=&nome=&f=s
 - 7. http://www.unifi.it/woff_forminsegnamentilic.php?cmd=2&cds=B086&cur=C39&esa=B001635-8fac=200049-s=PSICLOGIA&AA=2009&codice=139&bol=&coqnome=&nome=&f=s
 - 8. http://www.unifi.it/woff_forminsegnamentilic.php?cmd=2&cds=B064&cur=D02&esa=B010314-8fac=200006-s=INGEGNERIA&AA=2009&codice=3460&bol=&coqnome=&nome=&f=s

Knowledge Work-flow: from Sources to Final Users



OSIM Semantic Search Engine



Full Text Search



Question Answer **Query Wizard**

Assisted Search



Wizard

Which Person or Structure has the following skill ?

Which has the following skill ?

Show the skills related with the following competence

Show the skills

Show the People Affiliated to di

Show the Publications

From Year To Year

show the People

within the following scientific field (SSD)

dal al

Which Person or Course presents aspects related to ?



Paolo Nesi (full professor)

Informazioni

Facoltà

[ingegneria](#)

Corsi di Laurea

[ingegneria elettronica e delle telecomunicazioni](#)

[ingegneria informatica](#)

Affiliazioni

[Sistemi E Informatica](#)

Corsi

[sistemi cooperativi e di protezione \(cod. b010488\)](#)

[sistemi distribuiti \(cod. b003734\)](#)

Links

[Penelope web page](#)

[Information page](#)

Competenze

[DRM \(10/10\)](#)

[Wedelmusic \(9/9\)](#)

[Windows \(1/22\)](#)

[accessibilità \(5/302\)](#)

[adattamento \(3/11\)](#)

[aggregazione \(1/2\)](#)

[algoritmo \(1/108\)](#)

[analisi \(11/253\)](#)

[applicazione \(1/31\)](#)

Pubblicazioni

[Link alle pubblicazioni](#)

Author subject:

[INGEGNERIA INDUSTRIALE E DELL'INFORMAZIONE](#)

Tipo di pubblicazioni dell'autore:

[1a - Articolo su rivista ISI](#)

[2a - Art/Cap/Saggio libro scient/tech](#)

[2h - Non classificato Art. su libro](#)

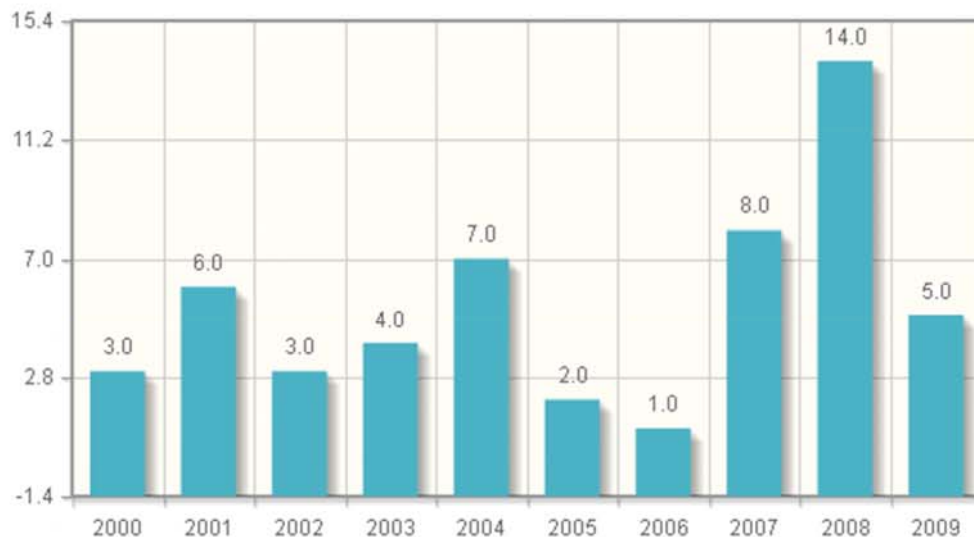
[3f - Libro scientifico/tecnico](#)

[4a - Articolo in atti di congresso](#)

[4c - Non classificato - Proceedings](#)

[7d - Curatela di libro scientifico/tecnico](#)

Totale pubblicazioni: 67



Anno: [2000 \(3\)](#) [2001 \(6\)](#) [2002 \(3\)](#) [2003 \(4\)](#) [2004 \(7\)](#) [2005 \(2\)](#) [2006 \(1\)](#) [2007 \(8\)](#) [2008 \(14\)](#) [2009 \(5\)](#) 2010 (0)

[Elenco di tutte le pubblicazioni \(67\)](#)

Autori registrati nel Cineca che hanno lavorato con questo persona (6):

[BALDASSARRE ANTONIO](#)

[BUCCI GIACOMO](#)

[DE LUCIA MAURIZIO](#)

[EVANGELISTI ATTILIO](#)

[GORI MARCO](#)

[ROSSI FRANCESCA](#)

Anno:

[2000](#) (3) [2001](#) (6) [2002](#) (3) [2003](#) (4) [2004](#) (7) [2005](#) (2) [2006](#) (1) [2007](#) (8) [2008](#) (14) [2009](#) (5) 2010 (0)

[Elenco di tutte le pubblicazioni](#) (67)

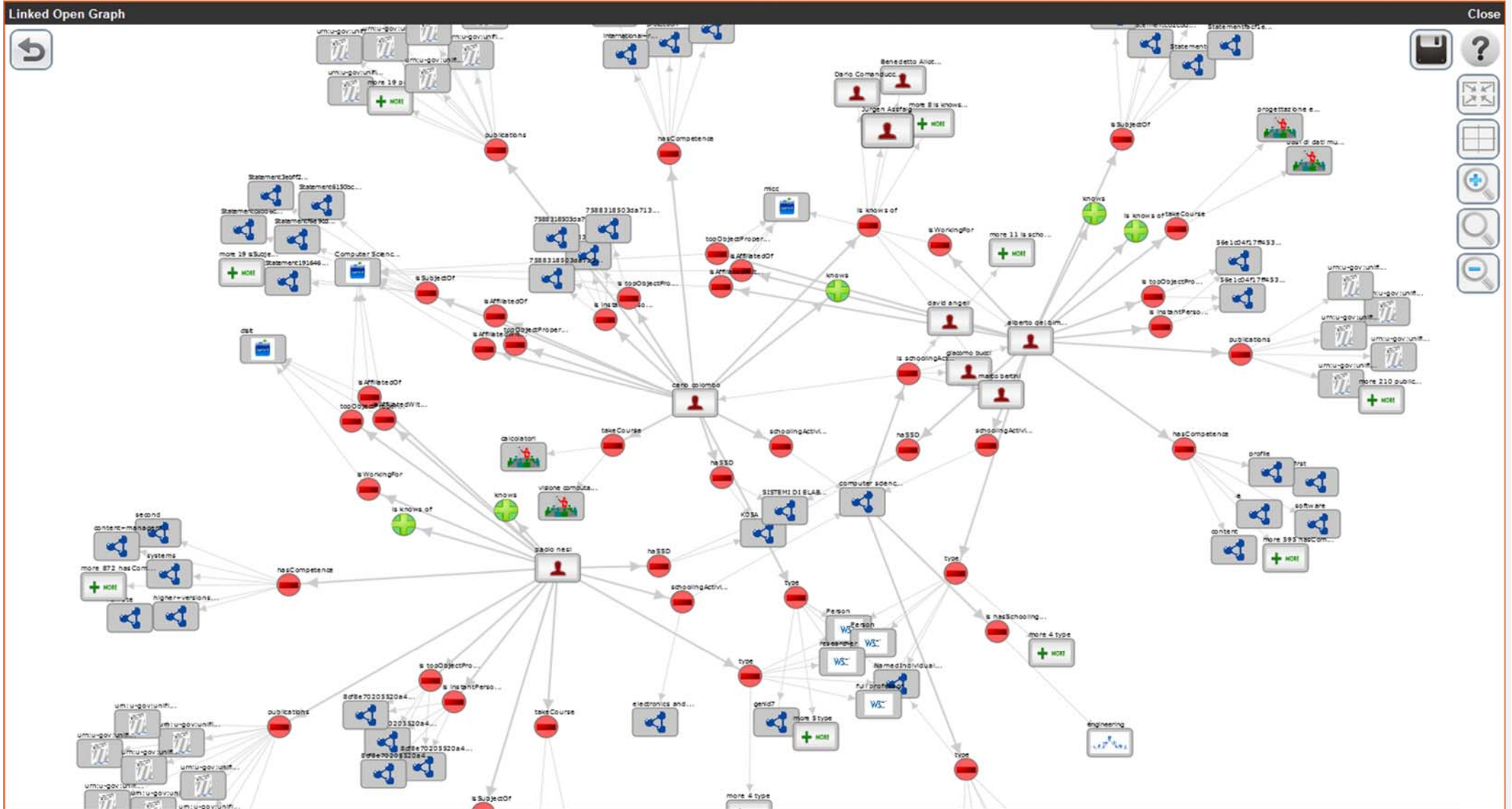
Autori che hanno lavorato con questa persona:

BRUNO I. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (19)
BUCCI GIACOMO (Registrato CINECA)	Visualizza le pubblicazioni in comune (5)
CENNI D. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (3)
DE LUCIA M. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (2)
DE LUCIA MAURIZIO (Registrato CINECA)	Visualizza le pubblicazioni in comune (2)
EVANGELISTI ATTILIO (Registrato CINECA)	Visualizza le pubblicazioni in comune (1)
FIORAVANTI F. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (7)
FROSINI F. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (3)
GORI M. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (1)
GORI MARCO (Registrato CINECA)	Visualizza le pubblicazioni in comune (1)
MARTINI T. (Non Registrato CINECA)	Visualizza le pubblicazioni in comune (1)

L'autore ha pubblicazioni in:

INTERACTIVE MULTIMEDIA AND TECHNOLOGIES (1)
INTERNATIONAL JOURNAL OF HUMAN-COMPUTER STUDIES (1)
JOURNAL OF NEW MUSIC RESEARCH (2)
MULTIMEDIA TECHNOLOGIES: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS (1)
OPTICS EXPRESS (1)
PROGRAMMING AND COMPUTER SOFTWARE (1)
REAL-TIME IMAGING (2)
REAL-TIME SYSTEMS (1)
THE JOURNAL OF SYSTEMS AND SOFTWARE (4)
TRANSACTIONS ON COMPUTER-HUMAN INTERACTION (1)
VISUAL PERCEPTION OF MUSIC NOTATION: ON-LINE AND OFF-LINE RECOGNITION (3)

Linked Open Graph <http://log.disit.org/>



Type of relations

<input type="checkbox"/> depiction	<input checked="" type="checkbox"/> haSSD	<input checked="" type="checkbox"/> hasCompetence	<input checked="" type="checkbox"/> is hasSchoolingCourse of	<input checked="" type="checkbox"/> is instantPerson of	<input checked="" type="checkbox"/> is knows of	<input checked="" type="checkbox"/> is schoolingActivity of	<input checked="" type="checkbox"/> is topObjectProperty of	<input checked="" type="checkbox"/> isAffiliatedOf	<input checked="" type="checkbox"/> isAffiliatedWith	<input checked="" type="checkbox"/> isSubjectOf
<input checked="" type="checkbox"/> isWorkingFor	<input checked="" type="checkbox"/> knows	<input checked="" type="checkbox"/> publications	<input type="checkbox"/> sameAs	<input checked="" type="checkbox"/> schoolingActivity	<input checked="" type="checkbox"/> seeAlso	<input checked="" type="checkbox"/> takeCourse	<input checked="" type="checkbox"/> topObjectProperty	<input checked="" type="checkbox"/> type		

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(enabling and actuating legal control)***
 - *Scalability: Hardware/Software*



Legal framework for service, content management and distribution

- **Legal framework**, 13 countries, including:
 - Terms of Use, e.g., <http://www.eclap.eu/3730>
 - Policy Privacy, e.g., <http://www.eclap.eu/3731>
 - IPR model and Wizard , e.g., <http://www.eclap.eu/4021>
- **IPR models**
 - Fully configurable and adaptive,
 - Compliant with Europeana, IMAIE, MPEG-21,
 - Accepted by over 13 countries, 35 partners, see ECLAP
 - Automated Content ingestion from any format and protocol

Legal, Intellectual property management

- **IPR Wizard**
- **Europeana Compliant**
- **Rules for:**
 - **Content type**
 - Video, audio,....
 - **User kind**
 - Edu/noEdu, group, pub,...
 - **Device type**
 - **Groups**
 - **Location**
 - **Period**
 -
- **IPR Model Management**
 - Automated application



IPR information

Rights
Ferruccio Marotti, Centro Teatro Ateneo – "Sapienza"
Università di Roma, Eredi Gassman

IPR owner page link to page

Europeana rights Europeana: Unknown copyright status

Public No

PC permission

	Public	Group	Educ.	Trusted
Download HD PC	No	No	No	Yes
Play HD PC	Yes	Yes	Yes	Yes
Download LD/MD PC	No	No	No	Yes
Embed	No	No	No	Yes
Play LD/MD PC	Yes	Yes	Yes	Yes

Mobile permission

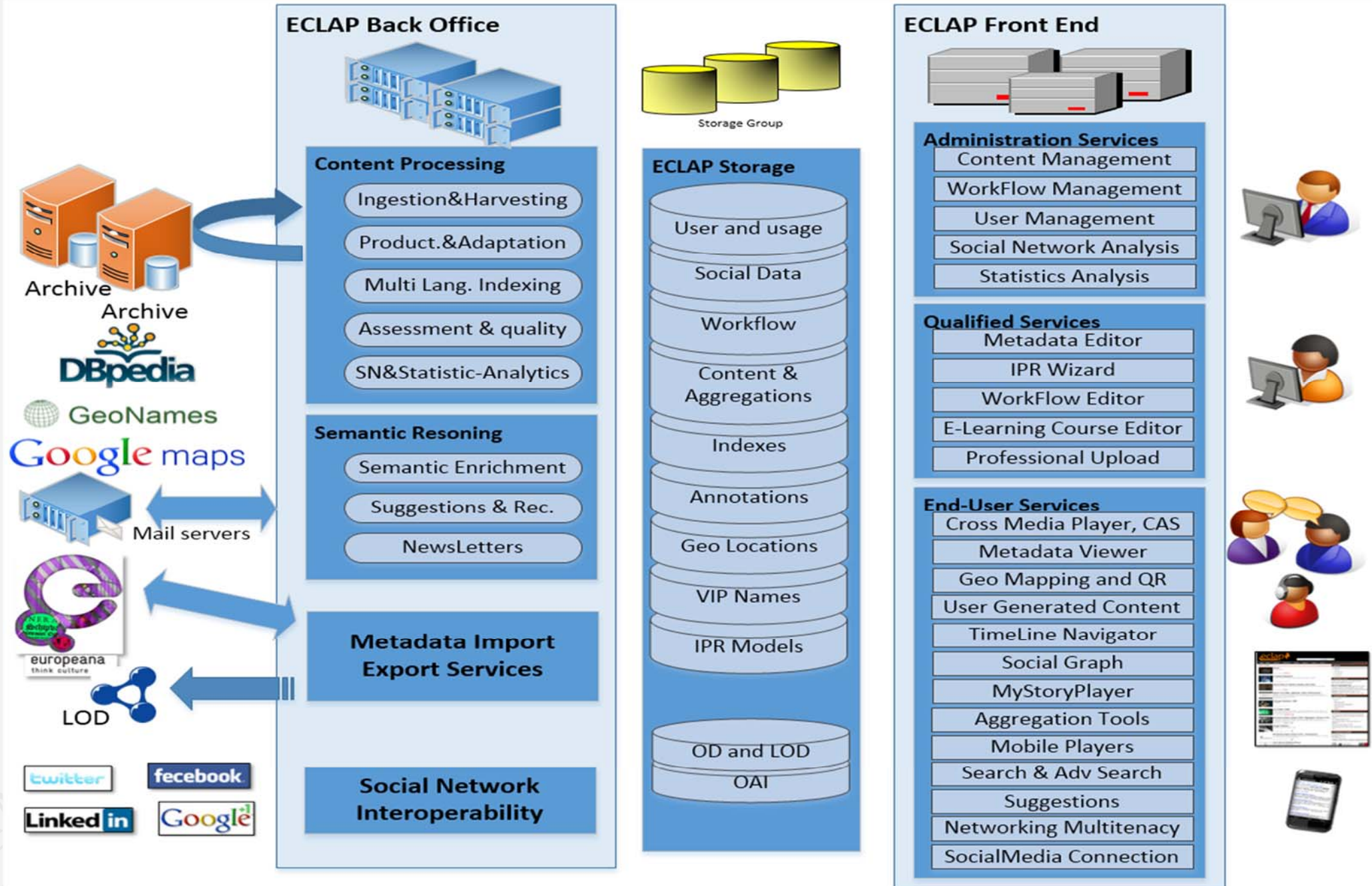
	Public	Group	Educ.	Trusted
Download mobile browser	No	No	No	Yes
Play mobile browser	Yes	Yes	Yes	Yes
Download mobile app	No	No	No	Yes
Play mobile app	Yes	Yes	Yes	Yes

Performing arts metadata

Location

Scalability: Hardware/Software

- **Provided** as Virtual Machine (appliance) on cloud or on premises
 - From single VM for small business to multiple frontend in balancing fully scalable
 - From few to millions of plays/downloads per year/month/week
 - Massive distribution supported with distributed CDN
- **Fully documented:**
 - Technical documentation
 - Help on line and on paper
 - Tutorials: slides and videos
 - Training courses ready
 - Help Desk



Technologies

- Front end as:
 - DRUPAL with a set of additional modules
 - PHP, Java, JavaScript, AJAX, CSS, HTML5, Flash, etc.
 - Apache, Tomcat
- Storage:
 - Databases: MySQL, OWLim RDF Store SPARQL
 - Indexing: SOLR with optimizations
 - Java
- Back end:
 - Java, Cloud, media grid AXCP

Conclusions

- ***e-Brain the new generation e-learning tool***
 - Any kind of content, devices, users, IPR, social, ...
 - Monitoring and control, certification and assessment
- **Easy to use and manage, scalable to the future**
 - customizable and modular platform
 - Features can be added as and when you like them
- **Advanced facilities for**
 - content management and search
 - social learning and lifelong learning
 - Promotion and collaboration
- **Ready for a deeper assessment of the solutions**

- P. Bellini, I. Bruno, D. Cenni, P. Nesi, M. Paolucci, M. Serena, «*A New Generation Digital Content Service for Cultural Heritage Institutions*», Proc. of the ECLAP 2013 conference, 2nd International Conference on Information Technologies for Performing Arts, Media Access and Entertainment, Springer Verlag LNCS, 2013. <http://www.eclap.eu/119325>
- E. Bellini, P. Nesi, «*Metadata Quality assessment tool for Open Access Cultural Heritage institutional repositories*», Proc. of the ECLAP 2013 conference, 2nd International Conference on Information Technologies for Performing Arts, Media Access and Entertainment, Springer Verlag LNCS, 2013. <http://www.eclap.eu/119325>
- P. Bellini, I. Bruno, P. Nesi, «*A workflow model and architecture for content and metadata management based on grid computing*», Proc. of the ECLAP 2013 conference, 2nd International Conference on Information Technologies for Performing Arts, Media Access and Entertainment, Springer Verlag LNCS, 2013. <http://www.eclap.eu/119325>
- Pierfrancesco Bellini and Paolo Nesi, «*Performing Arts LOD of ECLAP Content Service*», [LOD2014](#), Workshop Linked Open Data: where are we?, organized by WRC italy and CNR, Rome, 2014
- Pierfrancesco Bellini, Paolo Nesi and Nadia Rauch, «*Smart City data via LOD/LOG Service*», [LOD2014](#), Workshop Linked Open Data: where are we?, organized by WRC italy and CNR, Rome, 2014
- Pierfrancesco Bellini, Daniele Cenni, Paolo Nesi, «*Optimization of Information Retrieval for Cross Media contents in a Best Practice Network*», accepted for publication on International Journal of Multimedia Information Retrieval, 10-04-2014.
- A. Bellandi, P. Bellini, A. Cappuccio, P. Nesi, G. Pantaleo, N. Rauch, «*Assisted Knowledge Base Generation, Management and Competence Retrieval*», [International Journal of Software Engineering and Knowledge Engineering, World Scientific Publishing Company](#), press, vol.32, n.8, pp.1007-1038, Dec. 2012, DOI: 10.1142/S021819401240013X
- P. Bellini, P. Nesi, F. Pazzaglia, «*Exploiting P2P Scalability for Grant Authorization in Digital Rights Management Solutions*», International Journal Multimedia Tools and Applications, Springer press, 2013. , DOI 10.1007/s11042-013-1468-y, Pub on line April 2013,
- Pierfrancesco Bellini, Paolo Nesi, «*Modeling Performing Arts Metadata and Relationships in Content Service for Institutions*», publication on Multimedia Systems Journal, Springer, presently online at <http://link.springer.com/article/10.1007/s00530-014-0366-0> , 2014, DOI 10.1007/s00530-014-0366-0 , direct download on http://download.springer.com/static/pdf/234/art%253A10.1007%252Fs00530-014-0366-0.pdf?auth66=1398333468_864d5b41c3eafc31f9a280492718f173&ext=.pdf