UNAM online spirit, from Mexico to all Spanish speaking teachers and students

Marcela Peñaloza, Felipe Bracho and Juan Manuel Castillejos
National Autonomous University of Mexico (UNAM)
2014

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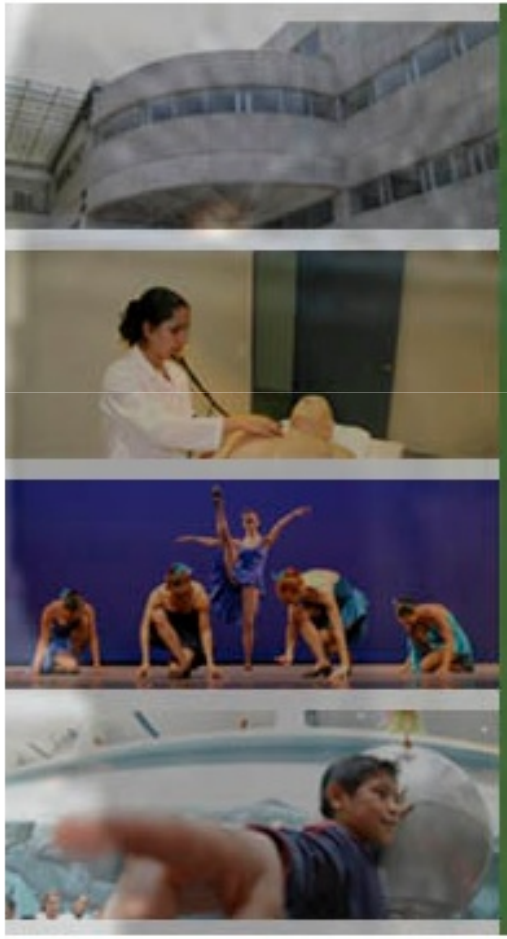
All UNAM online
OCWC Global Conference - April 2014

Toda la UNAM en línea

National Autonomous University of Mexico (UNAM): Relevant aspects



- The *Príncipe de Asturias* Award 2009: Communication and Humanities

UNAM by numbers:

- 2,620,295 m2 of construction and 2,130 buildings
- Six campuses and seventeen schools in Mexico City
- Installations in 24 states, the USA, Canada and Spain
- Over 330,382 high school, undergraduate and graduate students
- 24 faculties and schools of higher learning, 14 high schools, 57 institutes, centers and research programs, 105 undergraduate programs, 34 specializations and 40 graduate programs.
- Annually over two million spectators attend over ten thousand events offering music, literary arts, dance, visual arts and film.
- 25 museums, eighteen historical sites and nearly 320 thousand tape recordings, long-play records, films, art objects and video-graphic material.

http://www.global.unam.mx/en/cu/aspectosr.html

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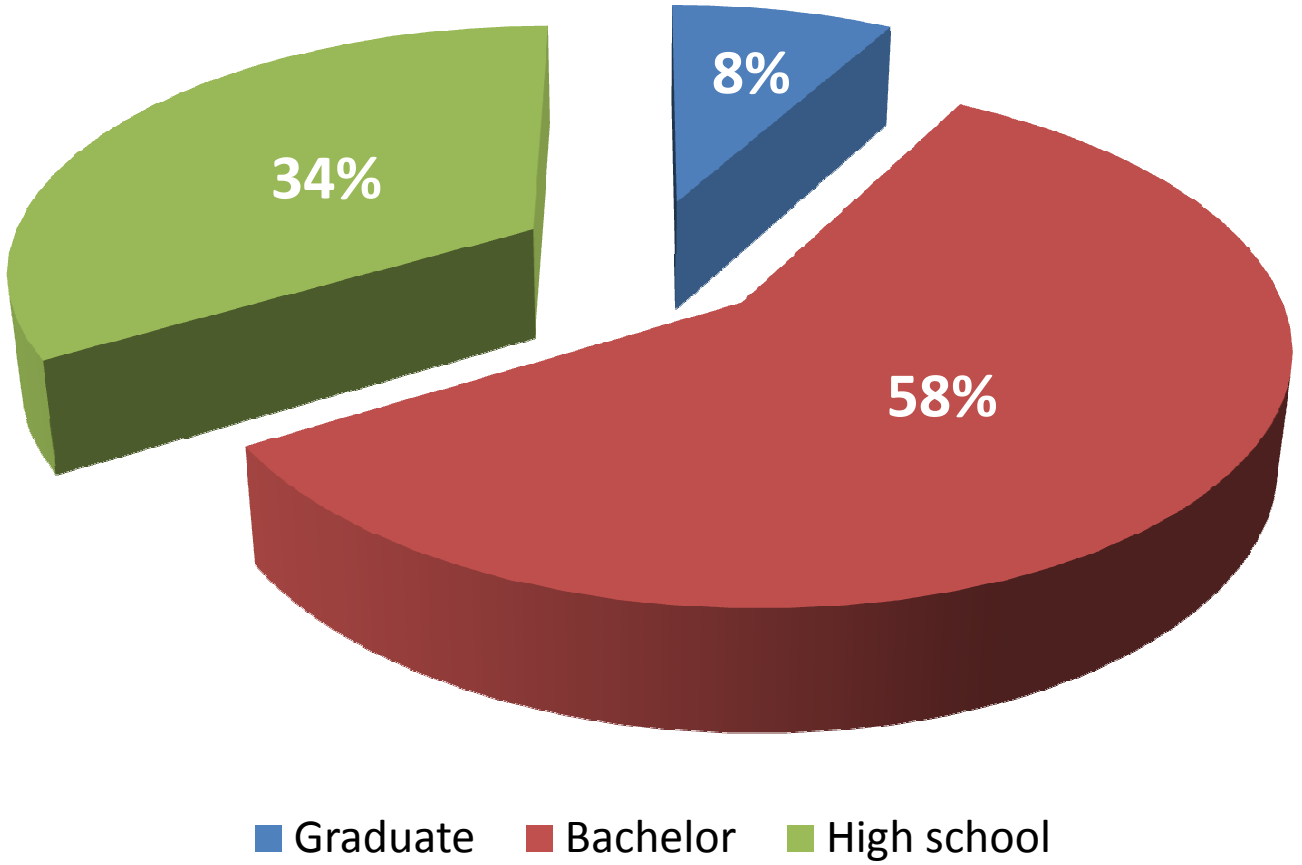
UNAM Students



UNAM: Services in the Public Interest

- Monitoring of the *Popocatépetl* Volcano
- National Seismology Service
- National Astronomical Observatory
- National Botanical Garden
- National Herbarium
- National Library
- National Newspaper Archive
- National Oceanographic Network
- Dental, psychological, psychiatric and sport-medicine services
- Tobacco dependence clinic (among other services offering addiction treatments).

http://www.global.unam.mx/en/cu/aspectosr.html

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All UNAM online **was launched in 2011 and *aims* to make all of our public domain content available to worldwide users under an open access policy.**

Openness

Transparency

Accountability

BY

All UNAM online

- We hope to upload everything we have in our holdings and let the world have it at no cost.
  - from 19th century newspapers and vintage films, to hundreds of thousands of student theses and learning objects –
- Many of the University's divisions were already converting material to digital form, but this program has quickened the pace
  - A continuous web visibility improvement approach

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We make this effort so that the products and resources of the University can reach the most Mexican and Spanish speakers possible.

Anybody can see the quality of teaching or research, the diversity of topics that the institution covers, and this way give back to society what we do with its financial support.

It is a key to UNAM's social mission as a public institution: provide high quality content in online resources to populations usually underrepresented in the higher education system, to anyone who desires to access them.

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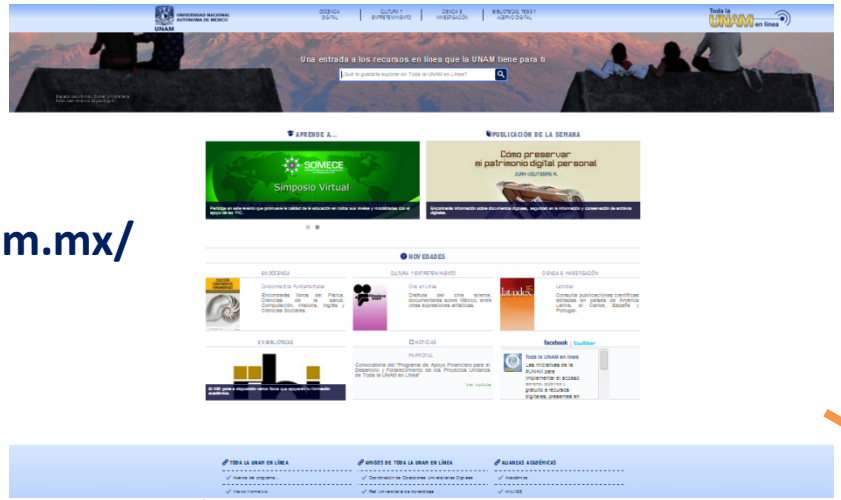
All digital resources remain in their original websites

http://www.unamenlinea.unam.mx/



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Toda la UNAM en línea

http://www.unamenlinea.unam.mx/

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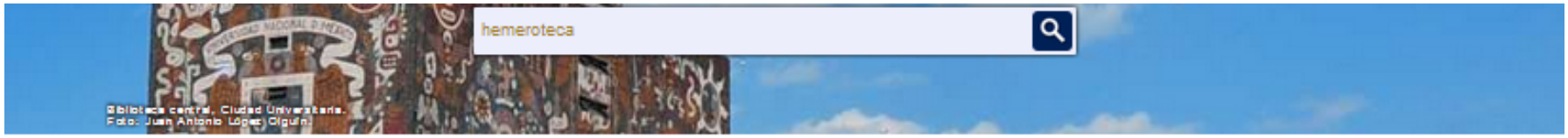

Alrededor de 18 resultados en Toda la UNAM en Línea

Antecedentes históricos de la **Hemeroteca** Nacional

Sitio que muestra en orden cronológico los antecedentes históricos de la **Hemeroteca** Nacional de México. Enlaces a servicios, colecciones, catálogos y más.

Compartir | Twittear | Ir al recurso

Atención y orentación de la **Hemeroteca** Nacional

Presenta información de los servicios, préstamo y trámite de reproducciones, conforme a las especificaciones señaladas en el reglamento para el servicio al público.

Compartir | Twittear | Ir al recurso

Biblioteca de la Escuela Nacional de Música

Este sitio muestra la información de la biblioteca y **hemerotecas** de la Escuela Nacional de Música, así como su acervo digital. Cuenta con buscadores de libros, tesis, revistas, grabaciones sonoras y música mexicana.

Compartir | Twittear | Ir al recurso

Más resultados en Toda la UNAM en Línea

Resultados en dominio unam.mx

Aproximadamente 11.600 resultados (0,18 segundos)

Hemeroteca Nacional de México

CASTILLO GARCÍA, Gustavo "El año 2013 fue en el que más fosas clandestinas se hallaron" En: La Jornada. 2014-03-28. Año 30. Núm. 0010649. Secc.

Hemeroteca Nacional Digital de México

El proyecto de la HNDM representa la ascensión al espacio virtual del más completo patrimonio hemerográfico de México; su portal es la entrada a ese mundo ...

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All UNAM online was created to reinforce current and future UNAM actions for placing valuable content near the learner:
our students, of course, but also people who want to complement traditional education (all levels).

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Some UNAM efforts (2008-to date)

Red Universitaria de Aprendizaje
(Learning University Network)

Relating educational resources with current curricula

MOOCs

Learning apps

Mathematics Institutional Learning Improvement Program

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Red Universitaria de Aprendizaje
(Learning University Network)

Relating educational resources with current curricula

UNAM.MX

Educational resources: interactive, videos, PDFs, docs, apps, etc.

Repositories

Moodle servers

Web sites and portals

>15,000

Educational resources production (public, free, related to specific parts of subjects in curricula)

QUALITY

- Coverage of current syllabus
- Technical Web
- Visibility compliance
- Academic validation
- Metadata

All UNAM Online

Learning University Network

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Toda la UNAM en línea

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Temas
1402 Lengua Española
» Unidades temáticas
Descripción
Lo que ya debo saber
Temas
Recursos para aprender
Autoevaluación
Recursos para el profesor
Unidad 1. La literatura española del siglo de oro y las funciones de la lengua
Recursos para aprender:
84 objetos encontrados
Aplicación móvil
Audio
Documento
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Denotación y Connotación.
Don Quijote como utopía.
El enunciado y la oración.
El mundo al revés. Un acercamiento a la España del siglo XVII

Red Universitaria de Aprendizaje
(Learning University Network)

Relating educational resources with current curricula

http://www.rua.unam.mx/

- Beta version; to be released in August, 2014.
  - Focus on high school subjects (>4,000 resources)
  - Some subjects for bachelor level.
  - Common topics:
    - Health issues
    - Academic writing

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Red Universitaria de Aprendizaje
(Learning University Network)

Relating educational resources with current curricula

Provide students with tools to study anytime, anyplace, at their very self-pace, using the type of content that is suitable to his/her personal learning style (Wind and Reibstein, 2000)

- Increased emphasis on curricular modularity
- Shorter sequences

http://noticias.universia.net.mx/en-portada/noticia/2013/08/30/1045995/ahora-es-posible-estar-conectado-autobus.html

http://www.zocalo.com.mx/seccion/articulo/telcel-encabeza-lista-de-quejas-1362519658

Average time of transportation to University: 2 hours

Terrazas, O., Rodríguez, E. and García, J. (2013). Las instituciones de educación superior en la centralidad metropolitana de la ciudad de México. México: Universidad Autónoma Metropolitana

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Red Universitaria de Aprendizaje (RUA)
(Learning University Network)

Relating educational resources with current curricula

- Faculty members often resist using whole courses that someone else has developed ("*academic freedom*")
- With *RUA*, teachers find different options to enrich their courses
- They can make their very own suggestions on how to extend the *RUA* catalog
  - With their own production
  - With open online resources they have proven useful

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Personal Web Pages for Teachers and Researchers

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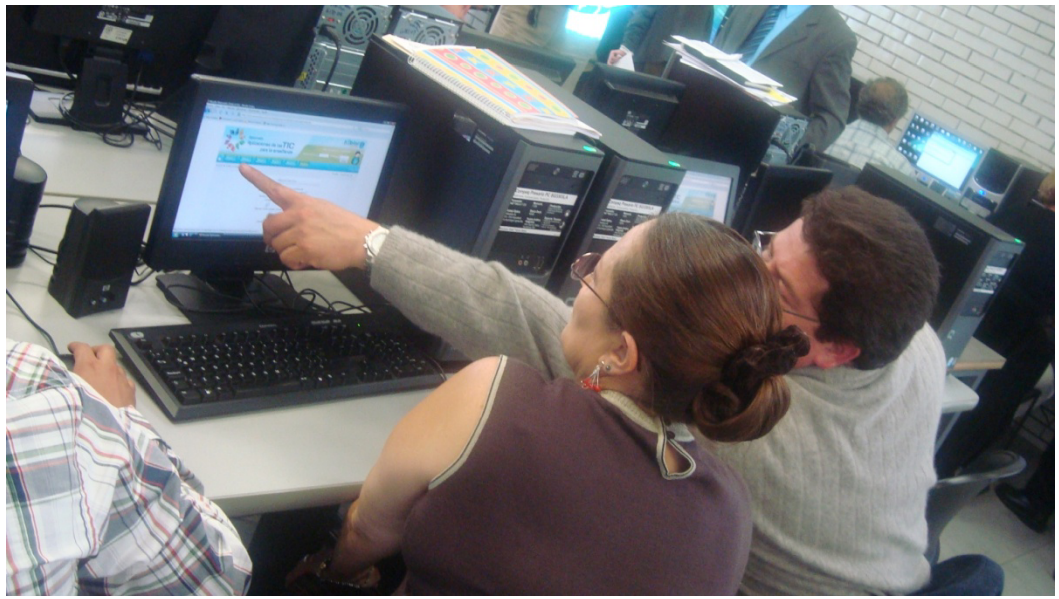
Challenge: Teacher training

2013:

5,478 full-time faculty members
23,351 subject teachers

Average age:

>50 years old



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MOOCs

- 3 courses: “Scientific thinking”, “Being more creative”, and “ICT in education”
  - Over 96,000 students from 108 different countries
    - Mexico, Spain, Colombia, Peru, Argentina, Brazil, United States, Venezuela, Guatemala and Ecuador, among others.

- More than 22,000 students registered in the first “ICT in Education” MOOC
  - Over 13,000 of them actively participated in the course, generating over 10,000 forum entries in 1,345 discussion threads; 1,540 students delivered their final project.

Enríquez, L. (2014). “UNAM en Coursera, la experiencia del professor en un MOOC con 17 mil alumnos”. issu.com/vinculotic/docs/unam_en_coursera_ticeducacion_2014 accessed March 15, 2014.

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Learning apps

Universidad Nacional Autónoma de México

UNAM

apps UNAM

APLICACIONES MÓVILES PARA UNIVERSITARIOS

Para descargar las aplicaciones debes acceder al sitio desde tu dispositivo móvil

APPS ANDROID

APPS iOS

UNAM en iTunes U

Las apps distribuidas en este sitio bajo la licencia iOS Developer Enterprise Program de Apple, requieren para su descarga, la autenticación como miembro de la comunidad UNAM dado que Apple no permite su distribución general con dicha licencia.

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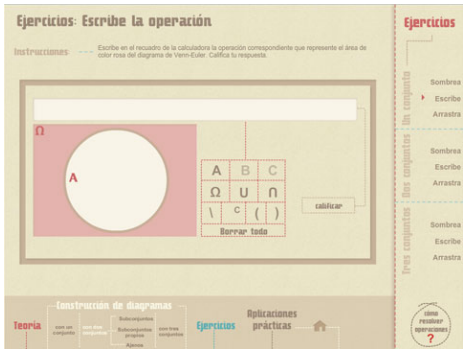
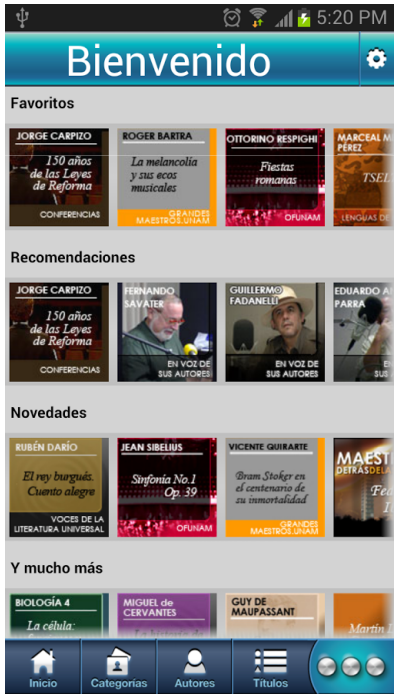
Créditos| Acerca de

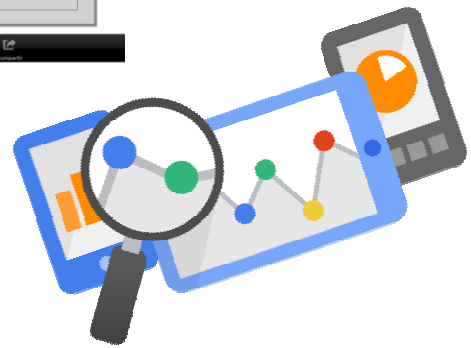
Actualizado el 02/09/2013, 12:20:40 pm

http://www.apps.unam.mx/

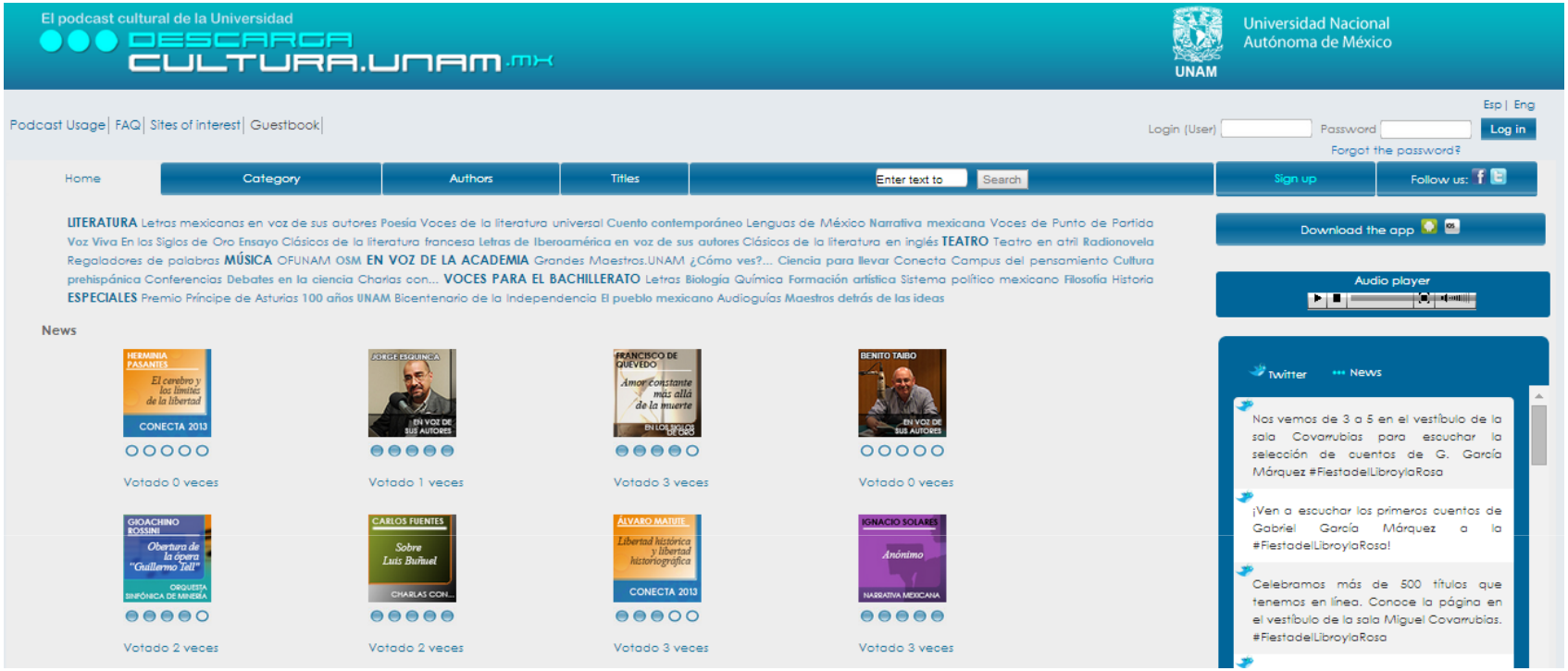
- More than 70 learning apps have been generated by high school professors, in collaboration with technical and pedagogical experts (2012-2013).
- At the same time, other professors learn how to use mobile applications in their everyday teaching, and ICT infrastructure is improved in high school spaces







http://www.descargacultura.unam.mx/



Public, free service where more than 500 podcasts are available online, including science, poetry, short stories, essays, radio dramas, music, conferences, courses and more.

- People from 144 different countries have made more than 2.8 million downloads in this service.

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Mathematics Institutional Learning Improvement Program

- Collaboration with high school teachers
- Permanent training teachers program
- Study on how evaluation is done in the classroom
- Dissemination of Math Culture
  - Contests
  - Movie debates
  - Pi Day

- Development of competences for the use of ICT to make learning and problem solving easier

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Policies and guidelines; Institutional network of local representatives

Peer-to-Peer Best Practices sharing

Training (both technical staff, teachers and producers) & tools dissemination

All UNAM online

77 projects competing for institutional funding (April 2014)

Challenge: Organizational cultural change to *open* perspective

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Acknowledgements

- Dirección General de Evaluación Institucional.
- Coordinación de Universidad Abierta y Educación a Distancia.
- Secretaría de Desarrollo Institucional.
- Secretaría de Extensión de la Coordinación de Difusión Cultural.
- Coordinación de Innovación y Desarrollo.
- Escuela Nacional Preparatoria
- Colegio de Ciencias y Humanidades.
- Dirección General de Cómputo y de Tecnologías de Información y Comunicación.

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