

# dUMA - EEMA eID Management

comprehensive personal information management

Victoriano Giralt

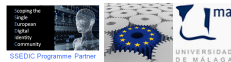
Central ICT Services  
University of Málaga

EEMA e-Identity Management Conference  
Tallinn  
June 9th, 2011

# dUMA

an overloaded name

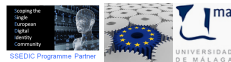
- The University of Málaga corporate directory
- The public interface to the UMA directory
- A Django based web application
- An identity+ control panel for UMA users
- The main attribute source for federated applications
- A never ending project



# dUMA story

How was dUMA born and how it has evolved

A conversation in late 2003



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- We need to set up an LDAP directory
- What for? We've had X.500 for a decade now

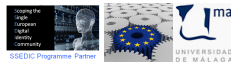


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and there it goes,



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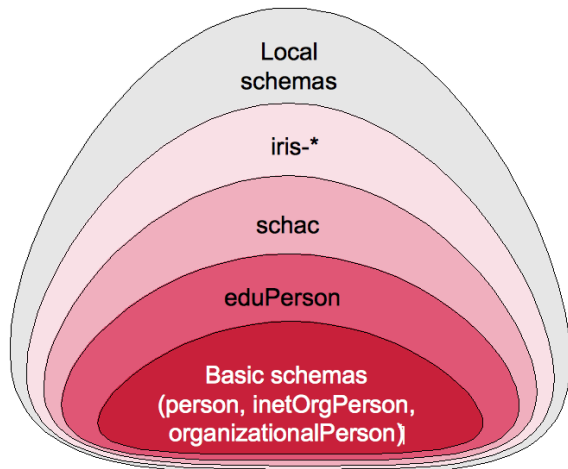
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and there it goes, eight years down the lane,  
we even have something to show to the community



# Directory structure

how people is represented inside dUMA



# Directory structure

principle of the shallow tree

a person is a person





# Directory structure

principle of the shallow tree

## a person is a person

no matter how many relationships to the institution



# Directory structure

principle of the shallow tree

a person is a person

no matter how many relationships to the institution

organise people by way of tags



# dUMA by numbers

how big is dUMA

- 120000+ entries
- 105000+ real person entries



SCEDIC Programme Partner



# Systems of Record

how to get people into dUMA

- Obvious ones:
  - Student registry
  - Human resources
- Less apparent ones:
  - External grants
  - Self funded projects
  - Collaborators
  - *Ghosts*
  - Walk-ins
  - ...



# Systems of Record

how to link people's identity bits

The shac linkage identifiers

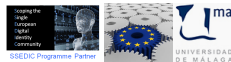
- schacPersonalUniqueID
- schacPersonalUniqueCode

and eduPersonPrincipalName



# dUMA interface

how does dUMA look like



# dUMA unauthenticated interface

contact | uma.es | login | I forgot my password | register To access all the information, authenticate



UNIVERSIDAD DE MÁLAGA

Directorio UMA

## directorio uma


-  **mis datos**  
personal details
-  **guía de comunicación**  
white pages
-  **buscar**  
search
-  **ayuda**  
help
- a-z** **alfabético**  
alphabetic listing
-  **localización**  
location

Dirección General de Comunicación e Información  
Vicerrectorado de Innovación y Desarrollo Tecnológico - Servicio Central de Informática


# dUMA authenticated interface


contact | uma.es | logout [victoriano@uma.es]


Logs Check Classifications Views Contacts Administration Permissions

 **directorío uma**

Directory > SERVICIOS > SERVICIO CENTRAL DE INFORMÁTICA (SCI) > ÁREA RED DATOS Y SISTEMAS INFORMÁTICOS

 **buscar**  
search

 **guía de comunicación**  
white pages

**Victoriano F. Giralt Garcia** 

Personal Data	Correo	Location	Administrative data	Academic Data
Mobile	Password	Documentation	Classifications	Permissions
My guests	Google	Manager	Tickets Wifi	

University of Malaga Avda. Cervantes, 2 29071 MÁLAGA Tel. 952 13 10 00 [informacion@uma.es](mailto:informacion@uma.es)



# dUMA features

## what can dUMA do

- White pages
- Classification based directory navigation
- Geolocation
- User self service portal
  - Personal information visualisation
  - Personal information edition
  - Password reset management
  - Privacy management
  - Mail routing control
  - Guest access management
  - Google Apps provisioning
  - ...
- WiFi tickets generation
- Permissions management



# White pages

finding people

The screenshot shows the 'directorio uma' website. At the top left is the 'uma' logo (Universidad de Málaga) and the text 'Directorio > Search'. At the top right is the title 'directorio uma'. Below the header are four navigation buttons: 'mis datos personal details', 'ayuda help', 'a-z alfabético alfabetic listing', and 'localización location'. The main section is titled 'Búsqueda' and contains a search form with the following fields and options:

- Group:  PAS  PDI
- Name in DUMA :
- First name :
- Second surname :
- Phone :

# White pages

finding people navigating classifications



Directorio UMA > Guia UMA

## directorio uma



**mis datos**  
personal details



**guía de comunicación**  
white pages



**buscar**  
search



**ayuda**  
help

**a-z**

**alfabético**  
alphabetic listing



**localización**  
location

**CENTROS** [Ver personal](#)

**CONSEJO SOCIAL DE LA UNIVERSIDAD DE MÁLAGA 952 22 03 22** [Ver personal](#)

**DEPARTAMENTOS** [Ver personal](#)

**EDIFICIOS** [Ver personal](#)

**FUNDACIÓN GENERAL DE LA UNIVERSIDAD DE MÁLAGA 951 952 640** [Ver personal](#)

**SERVICIOS** [Ver personal](#)

**VICERRECTORADOS** [Ver personal](#)

# Geolocation

finding places



UNIVERSIDAD DE MÁLAGA

Directorio > Directorio Geográfico

## directorio uma



**mis datos**  
personal details



**guía de comunicación**  
white pages



**buscar**  
search

**a-z** alfabético  
alphabetic listing



# Person record

for public consumption

**a-z** alfabético  
alphabetic listing



localización  
location

## Victoriano Giralt Garcia

**Nombre:** Victoriano Giralt Garcia

**Ubicación:**

+ SERVICIOS - SERVICIO CENTRAL DE INFORMÁTICA (SCI) - ÁREA RED DATOS Y SISTEMAS INFORMÁTICOS ([ver en mapa](#))

**Email:** victoriano@uma.es

**Teléfono:** +34952131415




# User self service portal


power to the people


contact | uma.es | logout [victoriano@uma.es]


Logs Check Classifications Views Contacts Administration Permissions

 **directorio uma**

Directory > SERVICIOS > SERVICIO CENTRAL DE INFORMÁTICA (SCI) > ÁREA RED DATOS Y SISTEMAS INFORMÁTICOS

 **buscar**  
search

 **guía de comunicación**  
white pages

Victoriano F. Giralt Garcia 

Personal Data	Correo	Location	Administrative data	Academic Data
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My guests	Google	Manager	Tickets Wifi	

University of Malaga Avda. Cervantes, 2 29071 MÁLAGA Tel. 952 13 10 00 informacion@uma.es

## Administrative info: Victoriano Giralt Garcia

### Work office

Note: If any of the information below is wrong and you want to correct, you need to contact Personal for correction.

#### Personal Data

<b>Identity:</b>	GIRALT GARCIA, VICTORIANO F. (21000000V)
<b>Birthdate:</b>	21/09/1967
<b>Sex:</b>	Hombre
<b>Address:</b>	Calle TORREVALE, 20, TORREVALE, 29018
<b>Location:</b>	Málaga
<b>Country:</b>	ESPAÑA
<b>Phone:</b>	---
<b>Mobile:</b>	---
<b>Fax:</b>	---
<b>Personal email:</b>	---

#### Administrative data

<b>Identity:</b>	GIRALT GARCIA, VICTORIANO F. (21000000V)
<b>Legal status:</b>	Funcionarios <b>Tipo:</b> ---
<b>Contract Type:</b>	---

visualising personal information

# User self service portal

power to the people



search



white pages

Pepe Gotera Garrimondi

Personal Data

Correo

Location

Mobile

Password

Classifications

Permissions

Google

Tickets Wifi

## Personal data: Pepe Gotera Garrimondi

### Data



Name in DUMA:

Pepe Gotera Garrimondi

Nombre que aparecerá cuando le busquen en el directorio

DNI / NIE / ...:

9999999999

Main Email:

pepegotera@uma.es

Mailbox (POP / IMAP server using SSL):

buzon.uma.es

Collective:

Phone:

Teléfonos separados por coma.

Este teléfono será público y aparecerá cuando alguien le busque en el directorio.

Fax:

Faxes separados por coma

Personal website:

Save

editing personal information



## Password Victoriano Giralte Garcia

### Options forgotten password

In case you forget your password, please select the favourite methods to send you a new one.



A una dirección de correo externo a la UMA (seguridad alta)

This option gives you the opportunity to recover the key using an external mail to the UMA, for example, @ gmail.com, @ hotmail.com, ...

If you need to retrieve the key and you have activated this option, you will receive in that address an email with information to change your password.



Al teléfono móvil que ha indicado en la pestaña Móvil (envío gratuito) (seguridad alta)

This option gives you the opportunity to recover the key using a mobile phone.

If you need to retrieve the key and you have activated this option, you will receive a free SMS with information to change your password.



Mediante formulario donde indique su DNI y código universitario (seguridad baja)

Sólo presencial, presentándose en el S.C.I. con un documento acreditativo (seguridad alta)

The option to retrieve ID + password using school code is unsafe by the low level of security against third parties who may obtain such information.

If you select the **presencial**, you can change the password in person at the SCI with some **identification**.

Save

My guests

Google

Manager

Tickets Wifi

## Classification:Victoriano Giralt Garcia

### Personal Info

Your user has classification codes for the following views:

- Guia UMA: SERVICIOS - SERVICIO CENTRAL DE INFORMÁTICA (SCI) - ÁREA RED DATOS Y SISTEMAS INFORMÁTICOS ✗

- Centro destino: Servicios - SERVICIO CENTRAL DE INFORMÁTICA ✗

### Classifications available

Select the classification you want to set.

Guia UMA:

---- Seleccione una opción ----

Guia UMA 222:

---- Seleccione una opción ----

Centro destino:

---- Seleccione una opción ----

Pruebas:

---- Seleccione una opción ----

self classification

# User self service portal

power to the people

My guests

Google

Manager

Tickets Wifi

## Victoriano Giralte Garcia

From here you can give access to the UMA wifi network to people who temporarily need a connection. The guest account is associated with the person who invited him as it is the responsibility of the good use made of the connection.

### Enter your guess info

Name in DUMA:

First name:

Second surname:

Identificación:

Type

Contraseña:

Expiry date:

Máximo permitido: 6 meses

Guardar

### My guests

Below is the list of guests who currently have registered.

Create new guest

tending to guests

# Wifi tickets

walk-ins also have rights

My guests

Google

Manager

Tickets Wifi

## Panel de control de Tickets Wifi de Victoriano Giralt Garcia

### Solicitar ticket wifi

Desde aquí puede solicitar un ticket para la wifi.

Help:

- La validez del ticket será de 5 días desde el día que se solicite.
- El procedimiento para la emisión de un ticket será el siguiente:
  - 1) Se introducirá en el formulario del paso 1 la identificación del usuario destinatario del ticket (DNI, pasaporte,...)
  - 2a) Si se encuentra el usuario en DUMA, sólo tendrá que seleccionar el perfil de los datos del formulario del paso 2
  - 2b) Si no se encuentra el usuario en DUMA, tendrá que rellenar los datos del formulario del paso 2
  - 3) Una vez se rellene el formulario correctamente y se pulse Guardar, se obtendrá por pantalla los datos relativos al ticket con los que el usuario podrá conectarse a la Wifi

#### Paso 1

Identificación  DNI, pasaporte,... **de la persona para la que es el ticket**

Search

#### Paso 2

# Wifi tickets

walk-ins also have rights

[Logs](#) [Chequeo](#) [Clasificaciones](#) [Vistas](#) [Bolsa de contactos](#) [Zona de Administración](#) [Permisos](#)



## directorío uma

Directorío UMA > SERVICIOS > SERVICIO CENTRAL DE INFORMÁTICA (SCI) > ÁREA RED DATOS Y SISTEMAS INFORMÁTICOS



buscar  
search



guía de comunicación  
white pages

Victoriano Giralt Garcia

Datos personales

Correo

Localización

Datos administrativos

Datos académicos

Móvil

Clave

Documentación

Clasificación

Permisos

Mis invitados

Google

Administrador

Tickets Wifi

Ticket generado correctamente para **John Smith**.

Por favor, anote los siguientes datos porque le serán necesarios para usar el ticket:

Usuario: **tk11611874920@invitados.uma.es**

Clave: **yt9sd0w4**

Red wifi: **PDI**

Caducidad: **13 Jun 2011 a las 06:00**

# Permissions management

*who can do what where*

Logs Check Classifications Views Contacts Administration Permissions



UNIVERSIDAD DE MÁLAGA

## directorio uma

Directorio UMA > Permisos de aplicaciones

 **mis datos**  
personal details

 **buscar**  
search

### Aplicaciones

 Convenios del Rectorado	 DUMA	 Laboratorio Web DAV de BBAA
 Maquinilla	 Protocolo del Rectorado	 SACI
 Utilidades Área Redes y Sistemas		

### Acciones de administración

 Buscar permisos huérfanos

# Permissions management

who can do what where



mis datos  
personal details



buscar  
search

## Maquinilla - Acceso a la web

### Permisos disponibles

**Superusuario** Webmáster.

**Administrador** Acceso total. Si no tiene el permiso staff no tendrá forma de modificar nada.

**Staff** Acceso a la zona de administración.

### Usuarios por permisos



Superusuario ▾

Añadir permiso

#### Superusuario

 jose@uma.es

#### Administrador

 acampos@uma.es

 victoriano@uma.es

 anag@uma.es

 hurtado@uma.es

 jcrey@uma.es

#### Staff

 acampos@uma.es

 anag@uma.es

 jose@uma.es

 victoriano@uma.es

# Permissions management

*who can do what where*

## Victoriano Giralt Garcia

### Permissions:

SIS:ldapadmin  
✘ duma\_copa:adminclasificaciones  
✘ duma\_copa:staff  
✘ duma\_copa:superuser  
google:apps  
limesurvey:canLdap  
✘ maquinilla:administrador  
✘ maquinilla:staff  
mensajes:web:scisms  
✘ rectorado\_protocolo:superuser  
✘ saci:staff  
✘ saci:superuser  
✘ utilidadesarea:correos  
✘ utilidadesarea:enlaces  
✘ utilidadesarea:staff  
✘ utilidadesarea:superuser  
websci:superuser  
wikib2011:opositor

### Administration:


✘ applAccessAdmin:applAccessAdmin  
✘ applAccessAdmin:duma\_copa  
✘ applAccessAdmin:labwebDAV  
✘ applAccessAdmin:maquinilla  
✘ aoplAccessAdmin:rectorado convenios




# dUMA authenticated interface


contact | uma.es | logout [victoriano@uma.es]


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# Conclusions

what lessons have we learnt over this years

- Identify a key service to promote the project
- A person is a person
- Shallow trees are a *good thing*™
- Classifications allow for overlaid hierarchies
- Find all you SoRs, as exotic as they can be
- Standards reduce friction
- Collaborating with the community was critical



# Future

where is dUMA heading to

## Planned developments

- Strong authentication (DNIE, STORK)
- Group management
- Account linking (= social logins)
- I18n improvements



# Where

can you get your hands on DUMA

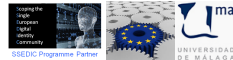
dUMA interface: <http://dj.uma.es/duma/>

dUMA code: <http://forja.rediris.es/duma/>

available after July 15th



# Thank you



# Thank you

## Questions?

answers not assured

