

Co-funded by the  
Tempus Programme  
of the European Union

# DIGITAL TRANSFORMATION EXPERIENCE AT UNIVERSIDAD DE ALICANTE

Rafael Muñoz Guillena Madrid, October 2016  
Vice Rector of Campus & Technology

elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
de la Universidad de Alicante.

Co-funded by the  
Tempus Programme  
of the European Union

# IT Strategy

UA CLOUD

OPEN DATA

UAedf

Smart  
University

E-admUA

Portfolio of Projects

IT Strategy

UA40 Strategic Plan

Established in Rector's  
Electoral Program

elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
de la Universidad de Alicante.

Co-funded by the  
Tempus Programme  
of the European Union

# Open Data



elearning Workshop March 20 - 22, 2017

# Open Data

- RISP – reutilisation of public sector information in the University. **Benefits**  
– **Society** (citizens)
- Open data provides a better sense of transparency and participatory democracy
- Applications that proportionally improve university services



# Open Data

## RISP in the University. **Benefits**

### – **Administration** (University)

- Improve services through the amplification of applications for students, academic and researchers

Cost savings    internal development



### RISP in the University. **Benefits**

- **Industry interface**
- Opening a new market of applications

#### For the student context

- Degree selection
- ErasmUApp
- Autocolega
- Diet planner
- Find residences/lodgings/etc
- UA events
- ¿Where's my book?
- Employment opportunities



### FICHA APPS



### UAlojamientos

★★★★★

La Bolsa de Alojamiento y alquiler de pisos de la Oficina de Información al Alumno de la Universidad de Alicante nace con la finalidad de recoger en un único punto el máximo de ofertas de alojamiento, evitando, de esta manera, la dispersión y duplicidad de informaciones en los tablones.

Descargar:



**Fecha publicación:**  
 12/02/2014

**Autor:**  
 Universidad de Alicante

**Datos usados:**  
 Listado de alojamientos

**Valora esta aplicación:**  
 ★★★★★

# Open Data

## Actions

- National and international alignment
- Align with Ministry initiative



**datos.gob.es**  
reutiliza la información pública

## Work Groups

- Harmonize catalogues
- Maturity indexes



Members OKFN  
(open knowledge)





Co-funded by the  
Tempus Programme  
of the European Union

## Open Data

### Actions

#### – Open Data Portal



elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
la Universidad de Alicante.

Presentación de PowerPoint - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools Presentación de Po... x

15 / 41

111%

Sign In

Universitat d'Alacant  
Universidad de Alicante

Portal de datos abiertos

INICIO DATOS APLICACIONES OPEN DATA API RSS

Universitat de Alicante > Portal de datos abiertos


# TRANSPARENCIA

La apertura de datos en formatos libres y estructurados posibilita que estos sean accesibles, fomentando la transparencia y la rendición de cuentas de una institución como la universidad.

## ACTUALIDAD

22/06/2016

### Congreso Internacional de Datos Abiertos



Madrid será la ciudad de los Datos Abiertos. La IV Conferencia Internacional se celebrará los días 6 y 7 de Octubre de 2016.

Presentado por el Ministerio de Industria, Energía y Turismo bajo el lema "Abiertos para el desarrollo, imparte legal y con el apoyo"

24/03/2016

### II Encuentro de datos abiertos de la Universidad de Alicante

La Universidad de Alicante y el Vicerrectorado de Tecnologías e Innovación organizarán el II Encuentro de Datos Abiertos el próximo 17 de marzo en el Salón de Actos de la EPS a las 9:30.

11/03/2016

### Presentación del libro "Ecosistema de Datos Abiertos de la Universidad de Alicante"

Export PDF

Adobe Export PDF

Convert PDF files to Word or Excel Online

Select PDF File

Vicerrectora...ifera-UA.pdf

Convert to

Microsoft Word (.docx)

Document Language: English (U.S.) Change

Convert

Create PDF

Edit PDF

Comment

Combine Files

Organize Pages

Fill & Sign

Send for Signature

Send & Track

Store and share files in the Document Cloud

Learn More

Co-funded by the  
Tempus Programme  
of the European Union

# Open Data

- Actions – 2015
  - I Meeting for Open Data
  - I Competition of Apps
- 2016
  - II Meeting for Open Data
  - II Competition for Apps
  - White Paper



elearning Workshop March 20 - 22, 2017

# CLOUD



# UACloud

- What do we do with our old Virtual Campus?

- VC “**too big**” and “**old**”

Obsolete technology

- VC not very ‘usable’

- Maintenance very costly    Unsustainable

- Evolution and maintenance of **app**    Unsustainable

# UACloud

- Evolution of Virtual Campus

**1997**

Virtual Secretary  
Automatic registration  
Academic staff

iUA

**2014**







## UACloudCV

- Our decision UACloud
  - Fragment VC in independent applications (apps) but ALL integrated in one portal UACloud and connected with CAS
  - New development of web technology has to be compatible with mobile telephones
  - Incorporate a powerful notification system
  - Configurable for 100% of users
  - Progressive evolution



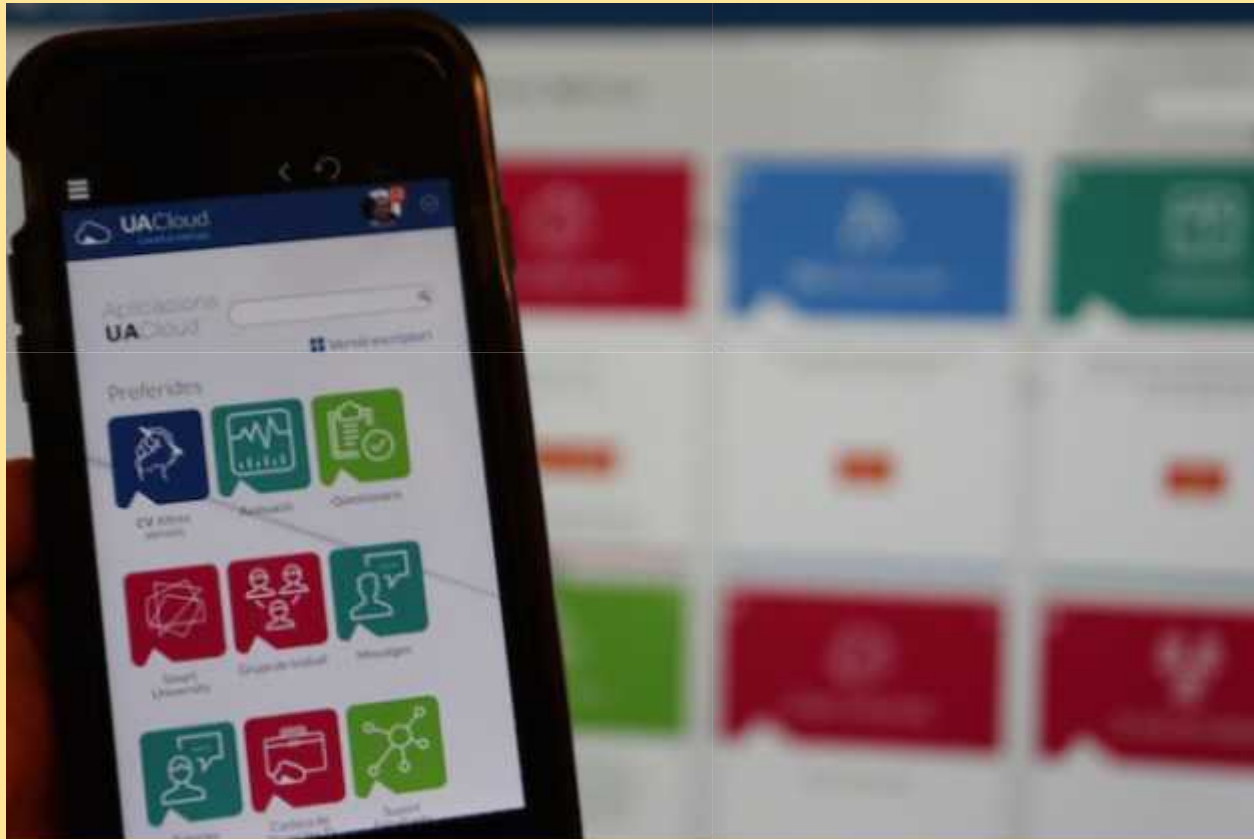
# UACloud

- Advantages

- Permit evolution of VC little by little without drastic interruptions to the system
- Permit use of new (actual) technology
- Create a screen UNICA (Project base) that can be deployed to develop whatever app
- **Abandon mobile 'native' apps and free-up resources**
- Substantially improve aspect and usability

Co-funded by the  
Tempus Programme  
of the European Union

# UA CLOUD



elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
de la Universidad de Alicante.

Co-funded by the  
Tempus Programme  
of the European Union

# UAedf



elearning Workshop March 20 - 22, 2017



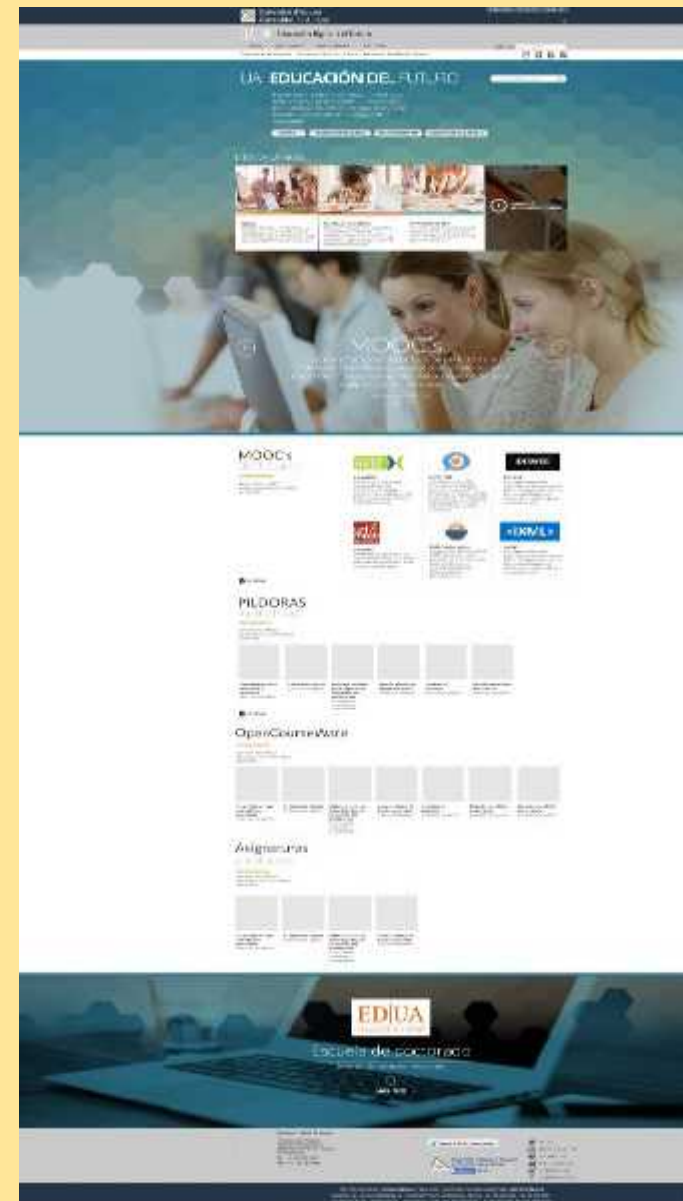
Oficina de Gestión de Proyectos  
de la Universidad de Alicante.

Co-funded by the  
Tempus Programme  
of the European Union

UAedf Portal forms part of the answer for digital change at UA that is transforming education through interactive connectivity

Internet education, digital education (global and local) management methodologies based on cutting-edge knowledge require:

- Versatility and compatibility
- Accesibility and visibility
- Integrity and inclusion
- Innovation and quality



Internal strategy to develop (TI) COURSE BUILDER

<http://code.google.com/p/course-builder> that is integrated

In the Uaedf portal allows us to link:

- Massive Online Open Courses ([MOOC](#))
- OpenCourseWare ([OCW UA](#)) regulated and non-regulated teaching
- Audio visual teaching facilities (PÚA). [Sala de grabación pUA](#)
- <http://alicantepress.com/2014/03/28/curso-ua-top-itunes/>
- Access to 'open courses', using MOODLE.  
<http://m.uaedf.ua.es/es/asignaturas-en-abierto.html>



Co-funded by the  
Tempus Programme  
of the European Union

ent incorporated into Uaedf  
re than 2000 audiovisual teaching  
entations(PUA)  
re than 6000 multimedia teaching  
urces published through the Vértice tool  
ourses available through streaming e.g  
er of Automation & Robotics, Master of IT,  
er of Optometry and Master of Nursing



elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
de la Universidad de Alicante.

UA works in two areas:

- improve the dynamics of the Uaedf portal for the Bachelors and Masters offered by the various Centres, Institutes and Schools  
<http://uaedf.ua.es/>

- Promote the University Academic Staff Platforms available from the internet

# UAedf

Co-funded by the  
Tempus Programme  
of the European Union

# e-admUA



elearning Workshop March 20 - 22, 2017



Oficina de Gestión de Proyectos  
de la Universidad de Alicante.



# e-admUA

- Executive Commission for edamination

**Vice Rector of Campus &  
Technology**

**General Secretary**

**Management**

**IT Areas**

## e-admUA

### **GGEESSTIIÓÓN N AACCAADDÉÉMMICCAA**

- Transversal projects that cut across distinct areas:

**Organisation**

**Regulations**

**Technology**

**Cover all areas of  
the university**

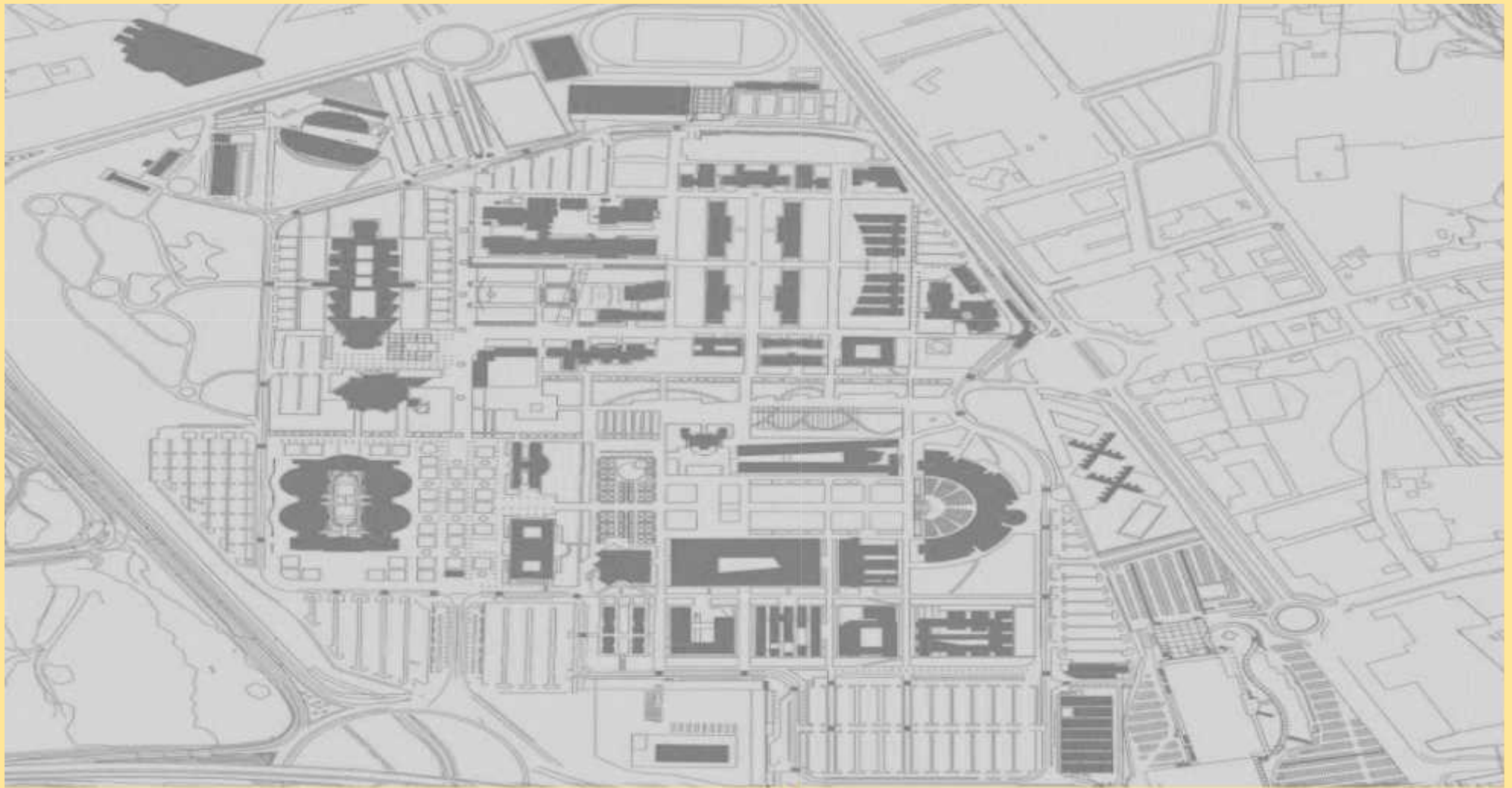
- Strategic Plans for e-administration at UA
  - 2010-2013
  - 2013-2016
- In accordance with UA regulations and national regulations

# Management Plan 2016-2017

<b>1. Vision and objectives</b>
<b>2. Regulations and international standards</b>
<b>3. Life cycle of electronic documents and document and file management instruments</b>
<b>4. Organisation model</b>
<b>5. Technology model</b>
<b>6. Digital security model</b>
<b>7. Printing security model</b>
<b>8. Security model</b>
<b>9. Preservation model</b>
<b>10. Usage</b>
<b>11. Evolution and maintenance</b>

- E-administration platform as developed by UA
- easily integrated with other UA systems
  - in the UACloud
  - improve user friendliness
  - modern design
  - mobile applications
  - easily integrated with third solutions
  - internal security system
  - simple design processes
  - facilitate internal document exchange
  - low development costs

# SMART UNIVERSITY



elearning Workshop March 20 - 22, 2017

## A new community model

- More open
- More sustainable
- Environmentally acceptable
- More efficient mobility
- Quality of use in public spaces
- Low energy consumption
- More integrated into its own territory

Co-funded by the  
Tempus Programme  
of the European Union

## What we've done?

White Paper

System Analysis

Smartlabs

SmartUA Dashboard

Smart Wifi

Smart Meters

Smart Sensors

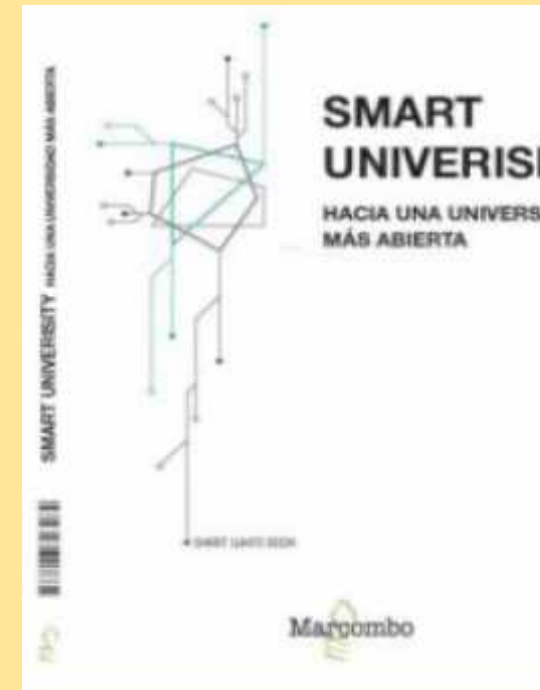
Pokemon Go

Alert Centres

Open API 2.0

URL del proyecto: <http://web.ua.es/es/smart/el-proyecto.html>

URL del libro: <http://www.librosmartcity.com/>






Presentación de PowerPoint - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools Presentación de Po... x Sign In

111%

# Cartera de Proyectos



Export PDF

**Adobe Export PDF**

Convert PDF Files to Word or Excel Online

Select PDF File

Vectorstora...ilena-UK.pdf

Convert to

Microsoft Word (.docx)

Document Language:

English (U.S.) Change

Convert

Create PDF

Edit PDF

Comment

Combine Files

Organize Pages

Fill & Sign

Send for Signature

Send & Track

Store and share files in the Document Cloud

Learn More

Windows Taskbar: File Explorer, PowerPoint, Adobe Acrobat Reader DC, System Tray: Network, Volume, Power, Date: 10/20/17

## Why a Project Portfolio?

- **Transparency, participation, quality, effectiveness and efficiency to comply with requirements of UA internal regulations and national regulations**

## Contextualisation

# PLAN DE TRANSFORMACIÓN DIGITAL DE LA ADMINISTRACIÓN GENERAL DEL ESTADO Y SUS ORGANISMOS PÚBLICOS

(ESTRATEGIA TIC)  
2015 - 2020

## Principals for Rectors

- **Orient users to service**
- **Integrate vision and unity**
- **Inter and intra collaboration**
- **Transparency**
- **Innovation to drive constant progress and to better to adapt to changes**

## Things we could have done better:

### – **Secondary objectives**

- Value the role of IT
- Develop a culture of project management
- Improve our image
- Annual planning

### - **Budget**

### – **Constant improvement**

- Presentation of projects
- Adjust expectations
- Incorporation of new projects
- Finalise projects
- Improved application of national directive