DIGITAL UNIVERSITY 2010

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The Digital University 2010 White Paper is the result of a collective discussion between eight universities (Alcalá University, Carlos III University, Castilla-La Mancha University, Rey Juan Carlos University, La Rioja University, Salamanca University, Sevilla University & Valladolid University) and four enterprises (Banco Santander, Telefónica, Universia & Oficina de Cooperación Universitaria) about the technological transformation that Spanish (European) University must tackle due to the goals and challenges from the European Space for Higher Education.

The most relevant topics of this book are related to the European Space for Higher Education, the new legal framework for the Spanish boost to Information Society, the internationalization and development of the competition in the university market, and also the effectively using of the Information and Communication Technologies (ICT) setting up a space for promoting and providing a shared field between University and Society.

The White Paper structure is shown in Figure 1. It is organized in two different views. The first one is devoted to the Functional Areas in the University. However, the second view presents the transversal areas of the University. Both are used to define the Digital University Global Model that appears in Figures 2, 3 and 4.
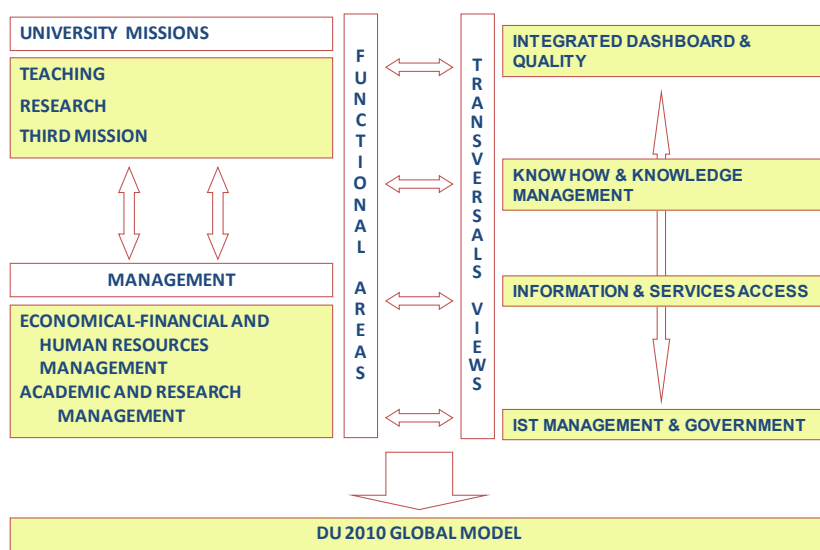

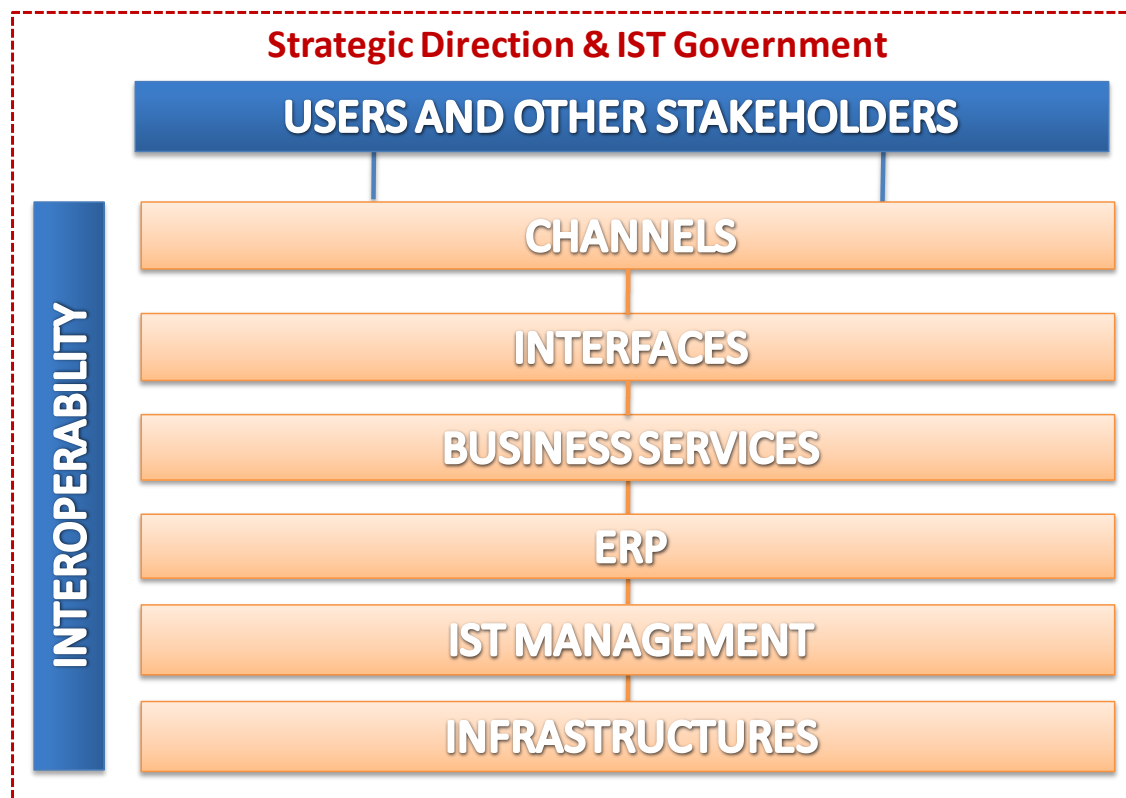**Figure 1. Digital University 2010 White Paper Structure**

Strategic Direction & IST Government

USERS AND OTHER STAKEHOLDERS

INTEROPERABILITY

CHANNELS

INTERFACES

BUSINESS SERVICES

ERP

IST MANAGEMENT

INFRASTRUCTURES

Figure 2. Digital University 2010 Model (1)

INTEROPERABILITY WITH ORGANIZATIONS, Grid computing…

SUPPORT SERVICES

Document Management System

Digital Signature

Mobility

Electronic Notification

Pay

Video Streaming & Podcasts

Identity Management / Federation

Workflow

Search Engine

…

INFRASTRUCTURES

LOGICAL

Organizative and functional structure software support

Datamarts Data warehouse

Security

Database Management Systems

…

Decision Making: Data and Indicators

Identity Repository

Management Data

…

Persistence

Digital Contents

Signed Documents

Central Register

Telematic Registers

Incidents

Configuration

CMDB

PHYSICAL

Networks

Servers

Storage

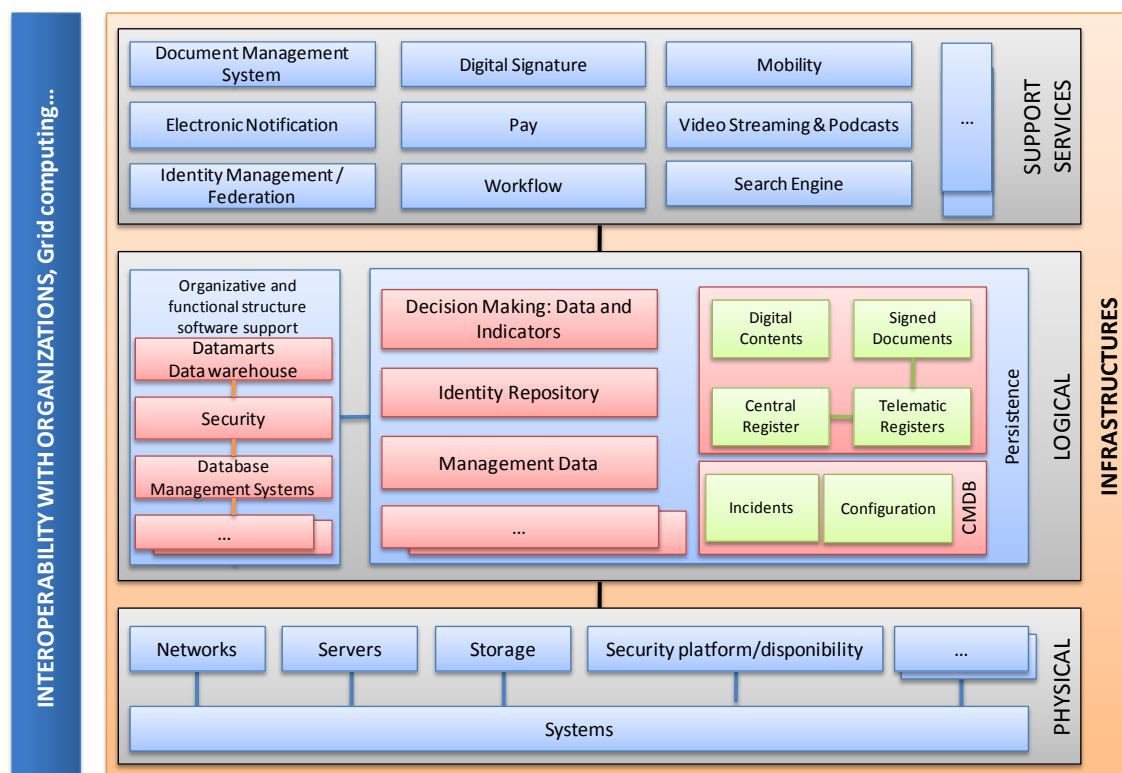Security platform/disponibility

…

Systems

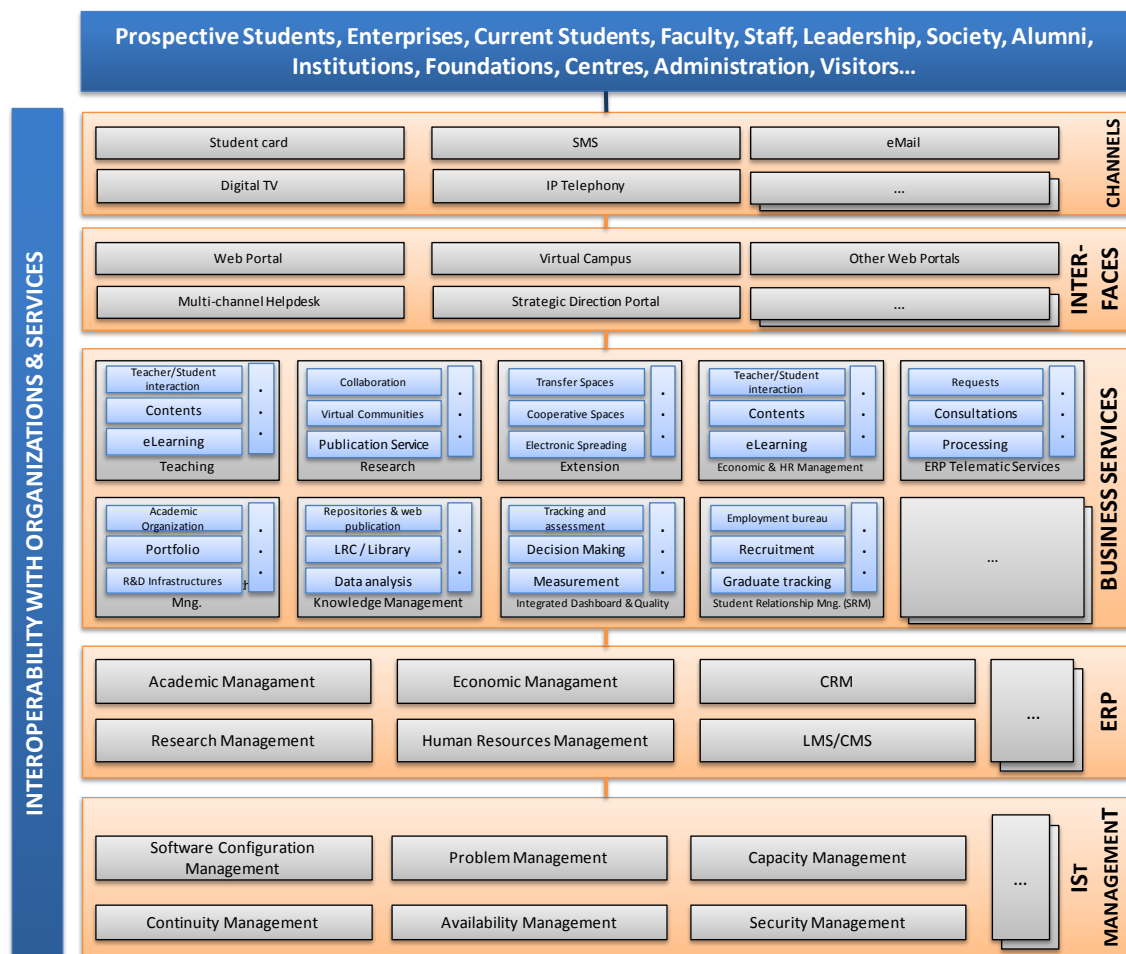**Figure 3. Digital University 2010 Model (2)**

Figure 4. Digital University 2010 Model (3)

Finally, we want to thanks to the whole Digital University 2010 Academic & Technological Committee (Figure 5) for the implication and efforts made to achieve the final result.

Chairman: Mario Piattini Velthius	UCLM	Technology and Information Systems Full Professor
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José Manuel Torralba Castelló	UC3M	Materials Science & Enginnering Full Professor
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Eliseo Vergara González	UR	Infrastructure & New Technologies Vice-chancellorship
Francisco José García Peñalvo	USAL	Technological Innovation Vice-chancellorship
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Rubén Lorenzo Toledo	UVa	Telecommunication Dean
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Project Leader: Jaime Laviña Orueta		Freelance Consultor
Technical Coordination: Laura Mengual Pavón		OCU Group Studies, Planification & Quality Director

Figure 5. Digital University 2010 Academic & Technological Committee

The Digital University White Paper can be found (in Spanish) and cited as follow:

LAVIÑA ORUETA, J. y MENGUAL PAVÓN, L. (Coord.) *Libro Blanco de la Universidad Digital 2010*. Barcelona: Ariel, 2008 (http://www.universidaddigital2010.es).

References

García-Peñalvo, F. J. (2008). Docencia. In J. Laviña Orueta & L. Mengual Pavón (Eds.), *Libro Blanco de la Universidad Digital 2010* (pp. 29-61). Barcelona, España: Ariel.

Laviña Orueta, J., & Mengual Pavón, L. (2008). *Libro Blanco de la Universidad* Digital *2010*. Barcelona, España: Ariel.

Piattini Velthuis, M., García-Peñalvo, F. J., & Laviña Orueta, J. (2008). Libro Blanco UD 2010. In J. Á. Velázquez Iturbide, F. J. García-Peñalvo, & A. B. Gil González (Eds.), *Actas del X Simposio Internacional de Informática Educativa - SIIE'08 (Salamanca, España, 1-3 de Octubre de 2008)*. Salamanca, España: Ediciones Universidad de Salamanca.

Piattini Velthuis, M., & Mengual Pavón, L. (2008). Universidad Digital 2010. In J. Laviña Orueta & L. Mengual Pavón (Eds.), *Libro Blanco de la Universidad Digital 2010* (pp. 5-27). Barcelona: Ariel.