



Efficiency models in the Andalusian Health Service Supply Chain

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Economic Management Directorate
Andalusian Health Service



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ANDALUSIAN HEALTH SERVICE DESCRIPTION

OBJECTIVES

LOGISTICS PROCESS REENGINEERING

REGIONAL PLATFORMS

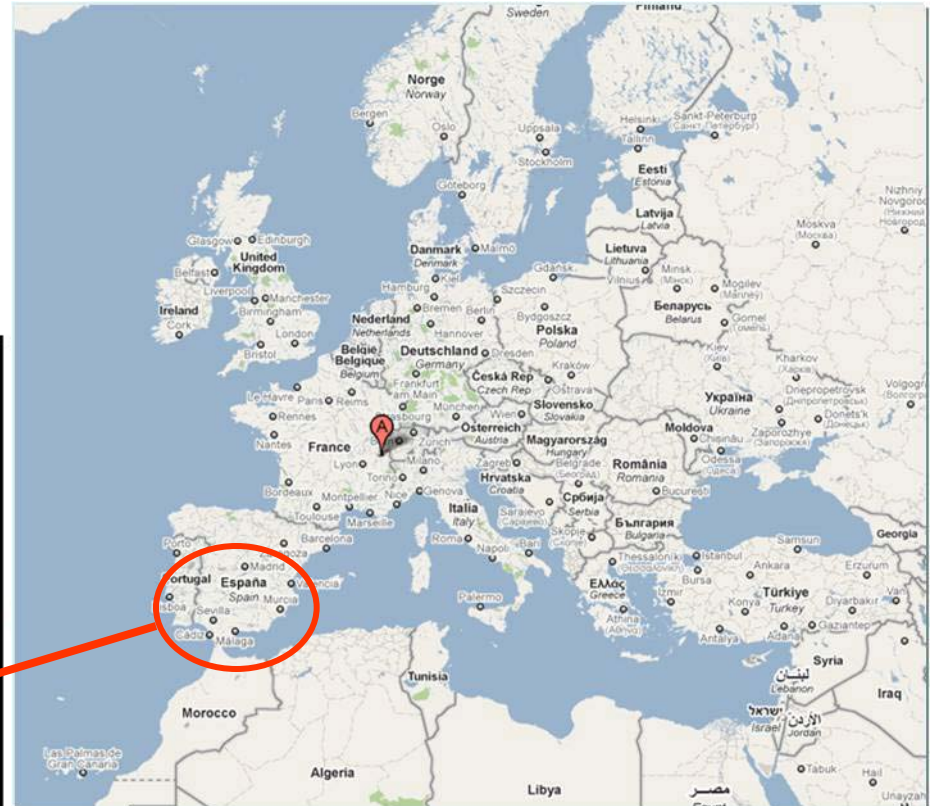
CORPORATE TOOLS IMPLEMENTATION

SIGLO®

EDI AND GS1 IDENTIFICATION SYSTEM

TECHNICAL COMMISSION OF PURCHASING AND LOGISTICS

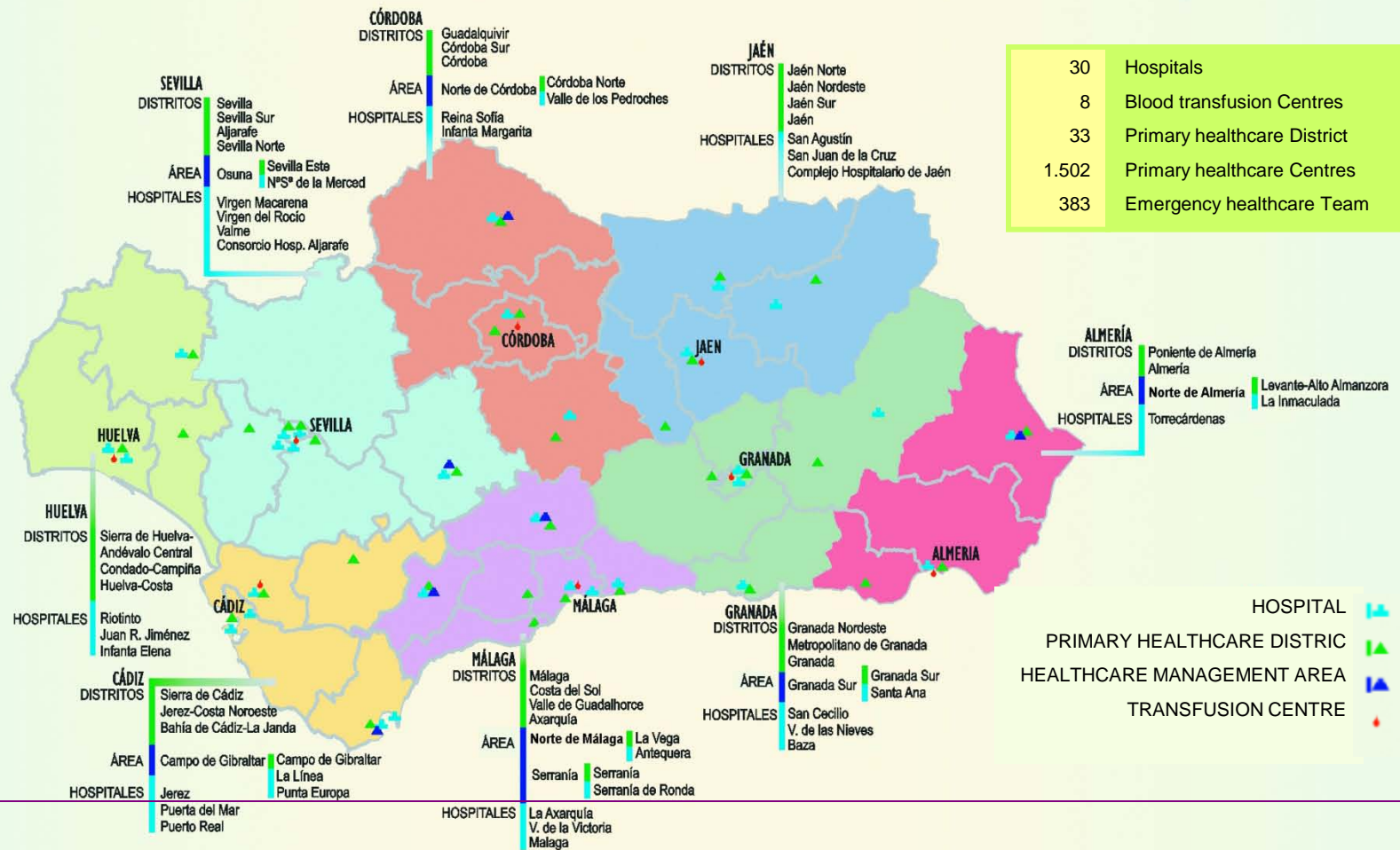
ANDALUSIA GEOGRAPHIC SITUATION



- 87.597 Km².
- 8.059.461 inhabitants

SAS STRUCTURE

ANDALUSIAN HEALTH SERVICE MEDICAL CENTRES MAP





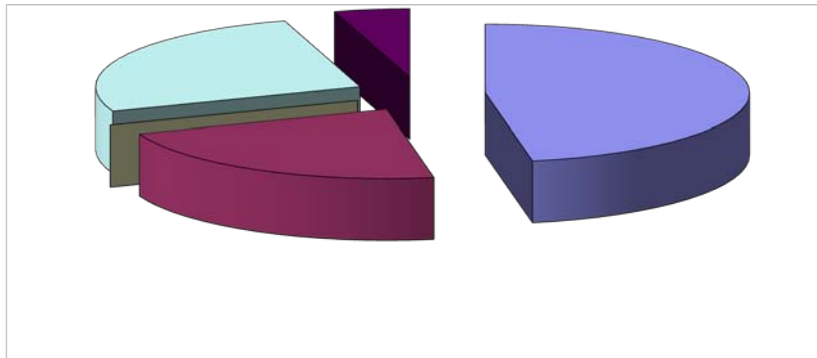
SAS BUDGET

TOTAL 2010
8.989 M€

Chapter VI y VII
Reals investments and
transfers of capital
414M€

Chapter IV
Current Transfers
2.354M€

Chapter I
Staff Expenditure
4.283M€



Chapter III:
Financial Expenditure
1M€

Chapter II
Current Expenditure.
Supply and Services
1.981M€



Establish a sustainable development model in order to:

- Enhance patient security.
- Increase logistics service level to the healthcare activity
- Reduce Supply Chain global cost

Considering:

- Focus on own staff
- Collaboration and continuous communication with suppliers
- Use of Communications and information advanced technologies.



OBJECTIVES

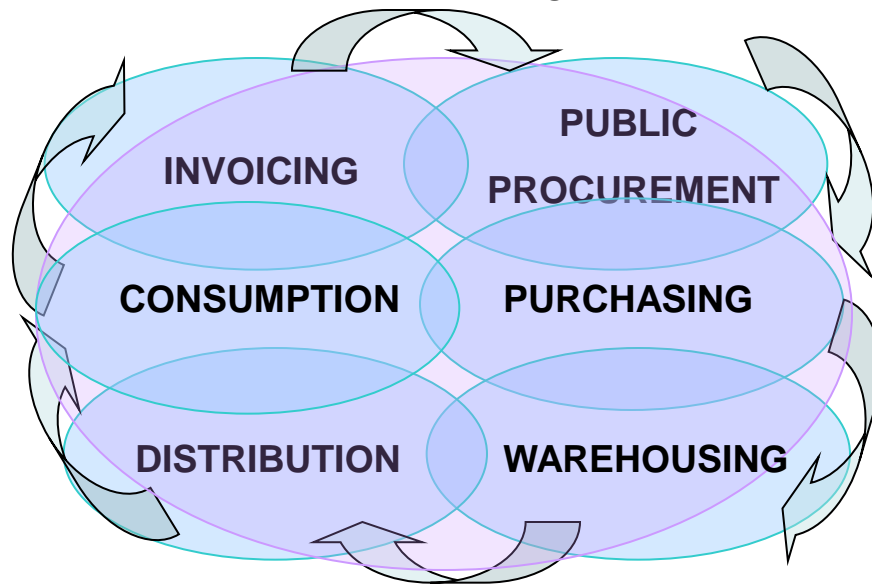
- Law 30/2007, of October 30th, of Public Sector Contracts (LCSP), transposition of the common Directive 2004/18/CE, wich adapts, the Directives 92/50/CEE, 93/36/CEE y 93/37/CEE



LOGISTICS PROCESS REENGINEERING

REORGANIZE LOGISTICS CHAIN

- Logistics Accreditation System
- Regional Platforms
- Centralized purchasing





REORGANIZE LOGISTICS CHAIN

Logistics Accreditation System (SAL). First, we needed to know what we had in all our centers.

Allows to understand our logistics resources:

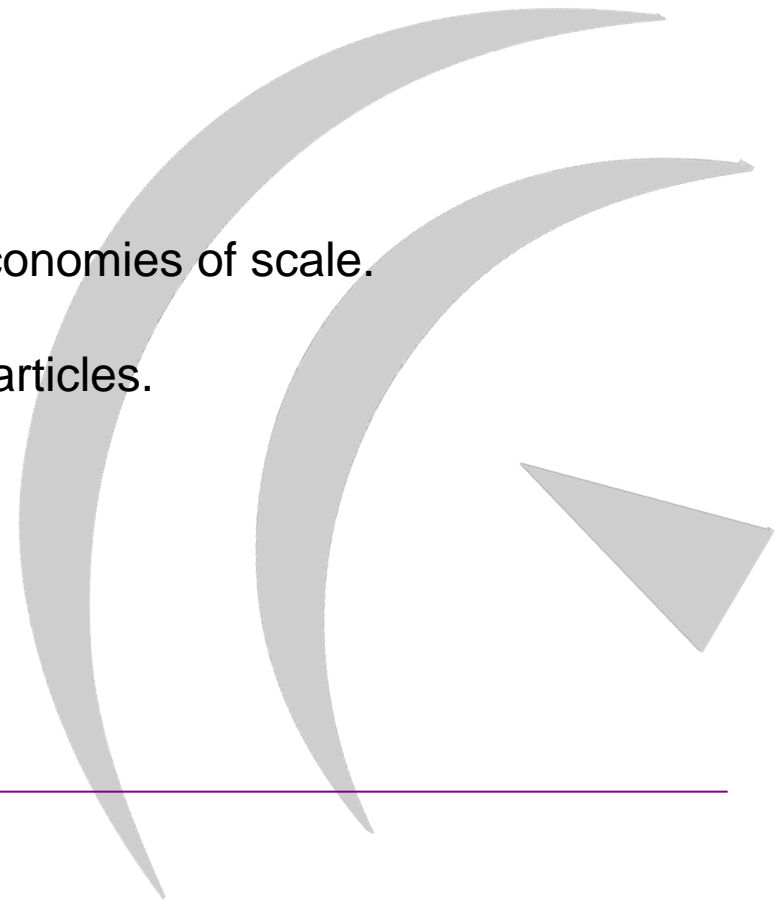
- Current situation (organization model of people and facilities).
- Alignment of current situation with corporate logistics model needs.
- Adjustment of resources to the model



REORGANIZE LOGISTICS CHAIN

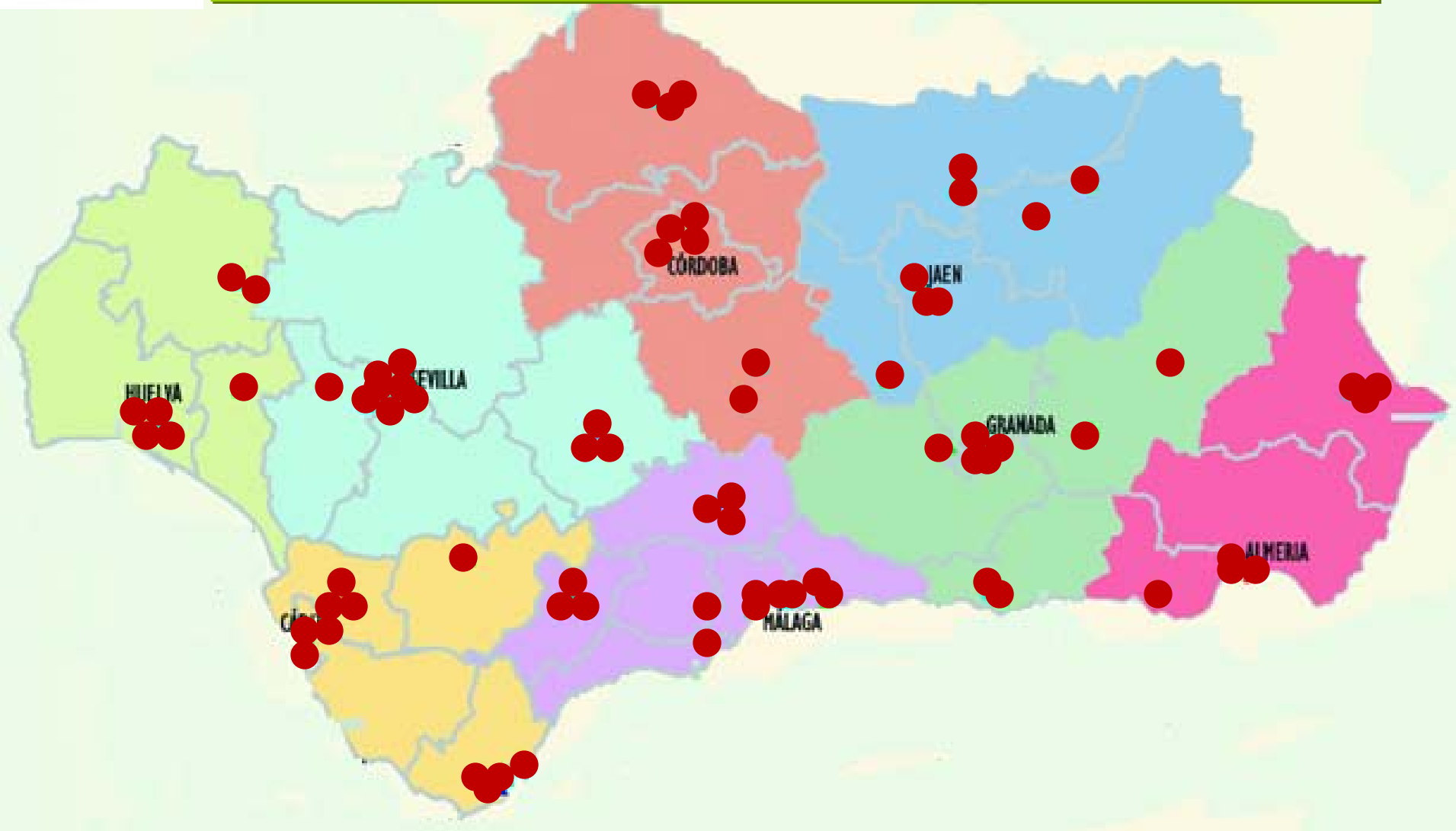
Regional Platforms: The next step for the reorganization of the logistics chain was the definition of the Regional Platforms to reach these objectives:

- Regional negotiation.
- Cost reduction.
- Decrease of the variability of purchasing, economies of scale.
- Unification of criteria in the consumption of articles.





REGIONAL PLATFORMS





REGIONAL PLATFORMS

	2009	Objective
Public Procurement units	62	8
Purchasing units	62	8
Centrals warehouses	186	8
Distribution warehouses	174	0
“Consum” warehouses	3501	3501
People	1199	

OBJECTIVE 2011: To save 10% of Chapter II (1.981M€): 198 M€



REGIONAL PLATFORMS

And how did we think to do that?

- Strategy defined by professionals of the Healthcare Centers.
- Optimize the structures destined to the logistic process.
- Integrate our own resources. Not to externalize in a logistic operator.
- Standarization of distribution contract model.



CENTRALIZE PURCHASING

- There are 8 work teams of experts of our centers analyzing parts of the catalogue to centralize the purchasing
- Several experiences with vaccines





CORPORATE TOOLS IMPLEMENTATION

At the same time, we have developed the necessary tools to unify the logistic application in the centres with the bases of the corporate model:

The New Technologies are an indispensable tool to improve the current management of purchases and logistics:

- **Increasing the efficiency of the involved processes.**
- Facilitating the **rational use of the sanitary products** .
- Making possible the implantation of **new management models** to revalue the basic aim of the organization: **healthcare**.



CORPORATE TOOLS IMPLEMENTATION

We have been working since 2004 to have all the information classified and centralised.

- **Assets and Services Catalogue.** Definition of Products and Services to be purchased.
- **Suppliers Centre.** Company Registration
- **Products Data Bank.** Suppliers product information
- **Purchasing Web.** Queries of suppliers products offers
- **Consumption Agreements Management & Purchases Integrated Plan.**
- **Public Procurement Manager: Publiline.**
- **E-Procurement Platform.** Corporate platform for the electronic purchase



LOGISTICS MANAGEMENT INTEGRAL SYSTEM: SIGLO®

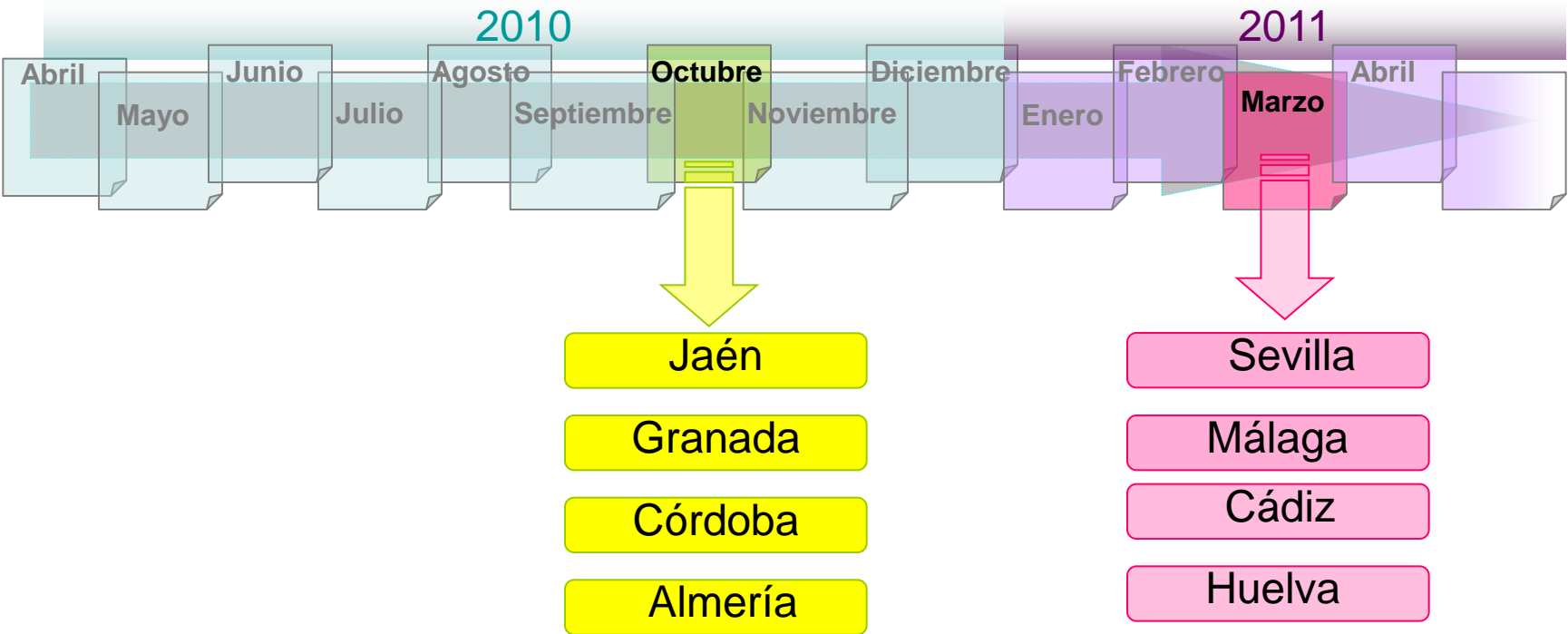
Reengineering process:

- Redefinition of the whole logistics process from suppliers up to patients realized by a group of experts of our centers.
 - Adopting the best practices and optimizing the processes.
- Ad-hoc software tool for SIGLO.
- Training of logistic staff
- GS1 Standard system adoption:
 - Automatic identification and data capture
 - EDI: Electronic Data Interchange in the commercial transactions



LOGISTICS MANAGEMENT INTEGRAL SYSTEM : SIGLO®

Implementation roadmap:





GS1 IDENTIFICATION SYSTEM

- 2005
 - Collaboration Agreement with GS1 Spain
 - Hospitals work team analyzed:
 - SAS needs
 - Current Codification status of the health sector.
 - Mandatory Codification and Simbology Requirements Document.
- 2005- 2010
 - Training and support to our staff and suppliers.
 - Logistic attributes based on GS1 Standards were introduced by the suppliers in our Data Base for 210.770 medical devices products
 - Validation Match of symbology and Data Base Logistic attributes information
 - Participation GS1 Spain Work teams and Spanish Health Services work teams to unify criteria

GS1 IDENTIFICATION SYSTEM

Revista Electrónica - Microsoft Internet Explorer

Servicio Andaluz de Salud
Junta de Andalucía
Revista de Compras
Base de Datos

Productos con CIP de uso obligatorio | Productos Novedad | Colaboraciones | Revista de Novedades

Resultado de la búsqueda rápida ::
Búsqueda por Código SAS: 01.11.01.200000

Producto publicado en revistas anteriores, Producto publicado en la revista activa

	Código SAS	CIP o Ref.Fabricante	Empresa	Denominación Comercial
Homologado DT	01.11.01.200000	100001041520	3M ESPAÑA, S.A.	3M
Homologado DT	01.11.01.200000	100000656439	3M ESPAÑA, S.A.	3M
Homologado DT	01.11.01.200000	100000656530	3M ESPAÑA, S.A.	3M
Homologado DT	01.11.01.200000	100000657045	COMERCIAL DISPOTEX, S.A.	Equipo universal cirugía
Homologado DT	01.11.01.200000	100000657247	LABORATORIOS INDAS, S.A.	INDRAPE EQUIPO UNIVERSAL / MESA MAYO
Homologado DT	01.11.01.200000	100000657146	LABORATORIOS UNITEX-HARTMANN, S.A.	Foliodrape Set Universal con Funda me de mayo
Homologado DT	01.11.01.200000	100000656833	MÖLNLYCKE HEALTH CARE S.L.	BARRIER
Homologado DT	01.11.01.200000	100000657449	MÖLNLYCKE HEALTH CARE S.L.	KLINIDRAPE
Homologado DT	01.11.01.200000	100000657540	MÖLNLYCKE HEALTH CARE S.L.	KLINIDRAPE

Dirección General de Gestión Económica - Central Logística de Compras y Servicios

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(c) 2003 Banco de Productos

Búsqueda Rápida
CIP

Código SAS



GS1 IDENTIFICATION SYSTEM



Servicio Andalúz de Salud
Revista de Compras

Base de Datos

Productos con CIP de uso obligatorio
Productos Novedad
Colaboraciones
Revista de Novedades
Utilidades

Homologado DT Ficha Técnica

TREPANO FIJACION MANUAL (01.16.03.005000)

CIP

100001025265

Denominación Comercial

CORONET

Indicaciones

Extracción de la córnea del receptor para trasplante.

Descripción

Dispositivo que consiste en una cuchilla circular introducida en un cilindro con filamentos cruzados para su alineación con el eje visual. * Puede venir acompañado por lápiz de violeta de genciana para marcar la córnea.

Material / Composición

Acero inoxidable grado médico y material plástico.

Envasado

Envase unitario estéril. * Fácil de abrir, de forma que se garantice la esterilidad en el proceso de apertura. * Etiquetado en el que figure: . la denominación del artículo . el método de esterilización utilizado. . la fecha de caducidad. . el número de lote.

Garantía de Calidad

Marcado CE

CIP 100001025265

certificado digital de aptitud



Comercializado por

EQUIPSA S.A.

Contacto

Filiberto Rosado Carazo

Tfno / Fax

915191060 // 915192065

E-Mail

info@equipsa.es

Página Web

www.equipsa.com

ALERTA SANITARIA

Novedades del producto

No hay novedades

C.C. 4015/2007 (01.16)

Disponible desde

07/03/2008

[volver](#)

Valoración Técnica
Comparativa de Ofertas
Información logística
Atributos y medidas

Dirección General de Gestión Económica - Subdirección de Compras y Logística

GS1 IDENTIFICATION SYSTEM

Revista Electrónica - Microsoft Internet Explorer

Información Logística :: - Microsoft Internet Explorer

Código SAS:	01.11.01.200000 EQ. CAMPOS QUIRURGICOS UNIVERSAL STANDARD
CIP:	100000657540
Empresa asociada al producto:	MÖLNLYCKE HEALTH CARE S.L.

Presentaciones comerciales

EAN	Número total de unidades de consumo contenidas
7332430009142	14
7332430417541	168

Más información logística Imprimir Cerrar

Base de Datos
Revista de Novedades

Comercializado por
MÖLNLYCKE HEALTH CARE

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914841320 // 914840882

E-Mail
silvia.mata@molnlycke.net

Página Web
www.molnlycke.com

ALERTA SANITARIA

Novedades del producto
No hay novedades

C.C. 4001.2004

volver

* Preparar y delimitar la zona a intervenir en los procedimientos quirúrgicos. Con el objeto de ponerlo sobre el paciente y proporcionar un control de líquidos y por tanto una resistencia a la penetración microbiana en condiciones secas y húmedas, aislando la herida para lograr en todo lo posible el trabajo aséptico del personal quirúrgico durante la intervención.

Descripción

El equipo consta de: 1 Cubremesas 2 Paños autoadhesivos 1 Sábana autoadhesiva 1 Sábana autoadhesiva 1 Cinta autoadhesiva Op-Tape 4 Cellduk (toallitas de celulosa)

Material / Composición

Sábana adhesiva con 3 zonas diferenciadas: Zona 1 viscosa verde /poliéster tejido sin tejer 50g/m2 Zona 2 Capa superior: viscosa absorbente verde tejido sin tejer 22g/m2 Capa intermedia: polietileno verde 40 µ Capa inferior: celulosa blanca absorbente 20g/m2 Adhesivo: Etílen-vinil-acetato fundidos con calor y presión. Zona 3 Capa superior: viscosa absorbente verde tejido sin tejer 22g/m2 Capa intermedia: polietileno 40 µ Capa inferior: celulosa blanca absorbente 20g/m2

Medidas / Dimensiones

1 cubremesas 150x190cm 1 sábana autoadhesiva 150x240cm 1 sábana autoadhesiva 175x175cm

Envasado

* Envase unitario estéril por radiación Beta * Etiquetado en el que figure: . la denominación del artículo. . el método de esterilización utilizado. . la fecha de caducidad. . el número de lote. . la referencia comercial.

Valoración Técnica Comparativa de Ofertas Información logística Precios de Compra

Dirección General de Gestión Económica - Central Logística de Compras y Servicios

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GS1 IDENTIFICATION SYSTEM

:: Información Logística :: - Microsoft Internet Explorer

Código SAS:	01.11.01.200000 EQ. CAMPOS QUIRURGICOS UNIVERSAL STANDARD
CIP:	100000657540
Empresa asociada al producto:	MÖLNLYCKE HEALTH CARE S.L.

<p>Estructura EAN</p> <ul style="list-style-type: none"> 7310796993404 7310791043371 7332430009142 7332430417541 <p>Abrir todo Cerrar todo</p>	Código EAN:	7332430009142
	Número de unidades del nivel anterior contenidas en la agrupación:	2
	Número total de unidades de consumo contenidas:	14
	¿Es unidad de pedido?:	Si
	Tipo de embalaje:	Caja
	Instrucciones de manipulación:	Almacenar en lugar fresco, oscuro y seco
	Fecha inicio disponibilidad:	N/D
	Fecha fin disponibilidad:	N/D
	DIMENSIONES DEL ENVASE O EMBALAJE	
	Peso bruto:	15,190
	Unidad de medida de peso:	Kilogramos
	Anchura:	391,000
	Altura:	460,000
	Profundidad:	596,000
Unidad de medida de longitud:	Milímetros	

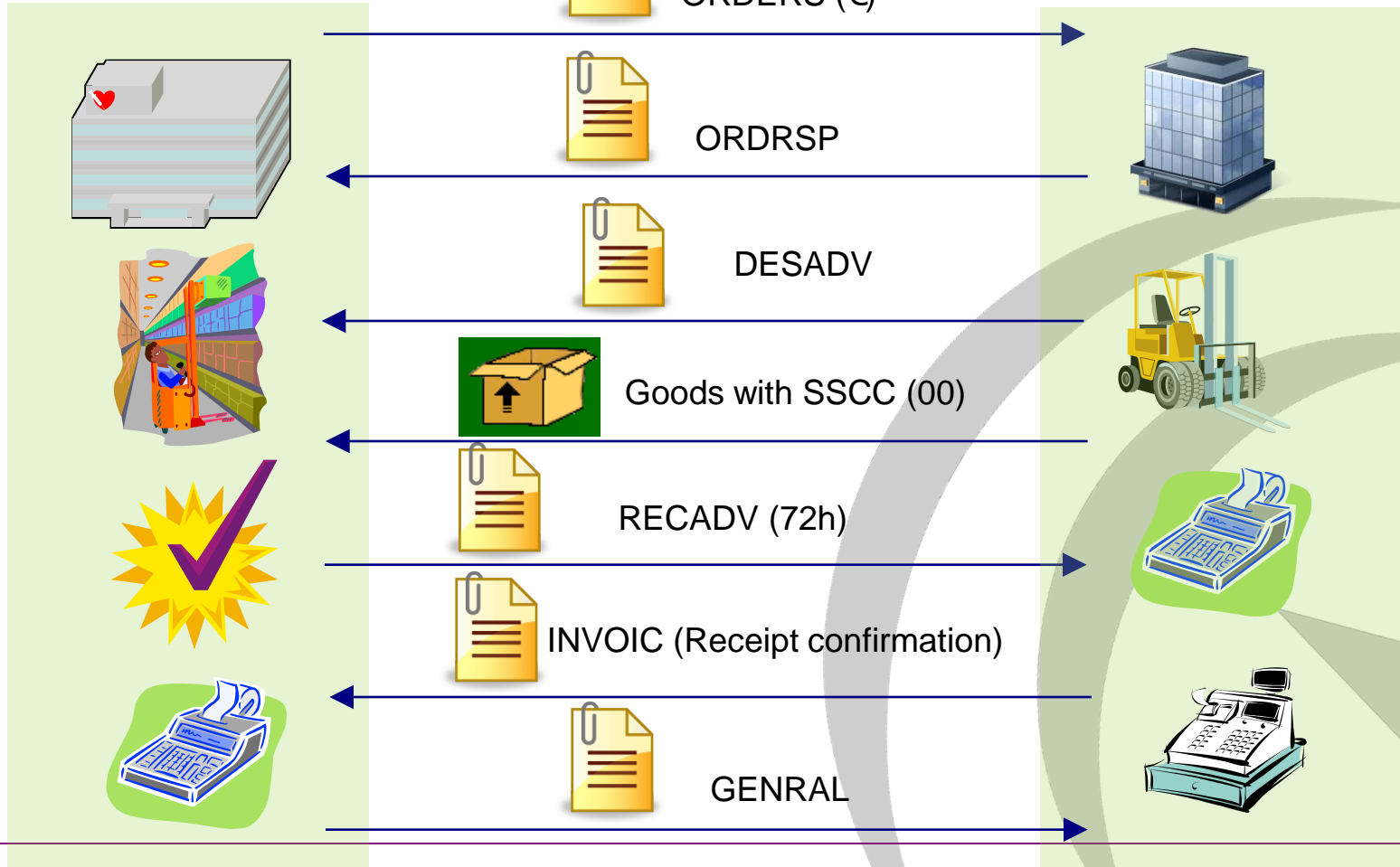
Cerrar ventana



ELECTRONIC DATA INTERCHANGE: EDI

Centre

Supplier





ELECTRONIC DATA INTERCHANGE: EDI

Time line:

Date (Nº Centres)	Fungible	Prosthesis	Pharmacy	Rest Catalogue
ORDERS	DIC 2010 (3)	DIC 2010 (1)		
	FEB 2011(28)			
	JUN 2011 (53)			
ORDRSP	JUN 2011 (53)			
DESADV	DIC 2010 (3)	DIC 2010 (1)		
	FEB 2011(28)			
	JUN 2011 (53)			
RECADV	DIC 2010 (3)	DIC 2010 (1)		
	FEB 2011(28)			
	JUN 2011 (53)			
INVOIC	DIC 2010 (3)	DIC 2010 (1)		
	FEB 2011(28)			
	JUN 2011 (53)			
GENRAL	DIC 2010 (3)	DIC 2010 (1)		
	FEB 2011(28)			
	JUN 2011 (53)			
PRICAT	JUN 2011 (53)			

- All SAS hospitals will implement progressively EDI with SIGLO



ELECTRONIC DATA INTERCHANGE: EDI

Complete Processes Standardization: EDI + AI

Issues I:

- Incorrect codification and/or barcoding.
- Identification of products with internal codes (Instead of GTIN)
- Identification of suppliers with internal codes (Instead of GLN)
- Adaptation of suppliers ERPs to SAS commercial requirements:
 - ORDERS (by sales unit)
 - DESADV with (00)
 - RECADV (72 hours)
 - INVOICE with electronic signature



ELECTRONIC DATA INTERCHANGE: EDI

Issues II:

- **Updating Health Sector EDI Guides**
 - Development SAS guides
- Constant ERPs updates (suppliers and SAS).
- Increase of Catalogue scope (Pharmacy, reactivities, services ...)
- Provisional software solutions developed for hospitals before the upcoming SIGLO implementation
 - **H.U.V. Nieves**, H.U. V. del Rocío, H.U. Reina Sofía
 - Braun, Boston y J&J
 - Production 1th Jun





GS1 SPAIN HEALTH COMMITTEE

SUPPLIERS	LABORATORIES	DISTRIBUTORS LOG. OPERATORS	HEALTH SERVICES & HOSPITALS
3M	Alcon	Alliance Healthcare	Consellería de Sanitat Valenciana
A.P SUD Europa	Bristol Myers Squibb	Cecofar	IB-Salut
B. Braun Medical	GlaxoSmithKline	Cofares	ICS
Becton Dickinson	Merck	Fedefarm	Osakidetza
Izasa	Movaco-Grifols	Hefame	SAS
Johnson & Johnson	Pfizer	Cediofsa	Sergas
Roche Diagnostics	Novartis	Logista Pharma	Servicio Canario de la Salud
			USP Hospitales



TECHNICAL COMMISSION OF PURCHASING AND LOGISTIC

WHAT IS THE CTCL? ORGANIZATIONS ACTIVITIES TECHNICAL CONGRESS PRIVATE AREA




WHAT IS CTCL?

The Technical Commission of Purchasing and Logistics of the Health Services (CTCL) has been created on January 26th, 2006. It represents on a permanent basis the regional services of the Spanish National Health System. It has been conceived as a response to the need for fostering communication, as well as experience and information exchange in the field of sanitary buying and logistics function.

Its objectives and ends are:

- Define and implement strategies of associative cooperation and coordinate its sectorial actions in the field of buying and logistics.
- Exchange technical information on the organisation and the functioning of the buying and logistics systems of the health regional services, promoting the best management practices.
- Boost specialised training and qualification for professionals and executives working on those matters.



CONTACT THE CTCL

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www.ctcl.es



TECHNICAL COMMISSION OF PURCHASING AND LOGISTIC

WHAT IS THE CTCL?
ORGANIZATIONS
ACTIVITIES
TECHNICAL CONGRESS
PRIVATE AREA

CTCL
Comisión Técnica de Compra y Logística de los Servicios de Salud

ORGANIZATIONS

The Technical Commission of Purchasing and Logistics of the Health Services (CTCL) is composed of the regional health departments of the Autonomous Authorities that wish to become member. In so doing they all have to follow the organisation and functioning aspects defined in the funding Act of the Technical Commission.

In order to perform its activities, the Commission has a technical office located within the Andalusian School of Public Health (Escuela Andaluza de Salud Pública - Granada)

At present time the following regional health services are making part of the Commission

CONTRACT PROFILE

Please choose an organization to learn more about its contracting profile


— Choose a category —





TECHNICAL COMMISSION OF PURCHASING AND LOGISTIC












WHAT IS THE CTCL? ORGANIZATIONS ACTIVITIES TECHNICAL CONGRESS PRIVATE AREA



ACTIVITIES

For its work the Technical Commission of Purchasing and Logistics of the Health Services (CTCL) sets up different **working groups**. They study and analyse different aspects related to the buying and logistics function of the sanitary services.

At present time there are eight working groups in active.


 ELECTRONIC DATA INTERCHANGE	 CONTRACT	 ELECTRONIC CONTRACTS	 CATALOGUE
 TRACEABILITY	 TRAINING	 QUALITY	 MANAGEMENT
 REPROCESSING MATERIALS	 PHARMACY	 GENERAL SERVICES	

In




TECHNICAL COMMISSION OF PURCHASING AND LOGISTIC

WHAT IS THE CTCL? ORGANIZATIONS ACTIVITIES **TECHNICAL CONGRESS** PRIVATE AREA



CTCL




Comisión Técnica de Compras y Logística de los Servicios de Salud



TECHNICAL CONGRESS

On a national scale the buying and logistics technical congress of the Health Services are designed to be the discussion forum of the Technical Commission (CTCL). They pretend to be a meeting point between health services sanitary supply managers where open, constructive and shared thinking among every participants (representatives of the sanitary centres and central services) allows to define future working ideas and lines, progressing towards individual improvement and multiple department collaboration.

Up to now two congresses have been held: the first one in **Toledo**, in October 2007 and the second one in **Palma de Mallorca** in March 2009. The next one is to be in **Sevilla** in 2011.

-  See 1st Congress poster and programme.
-  See 2nd Congress poster and programme.
-  See 3rd Congress poster and programme.

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CONCLUSIONS

Collaboration is not enough, It's time for Engagement





THANKS!

For any further information:

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