



## Interoperabilidad entre bancos de datos de las administraciones

F. Pando (moderador)

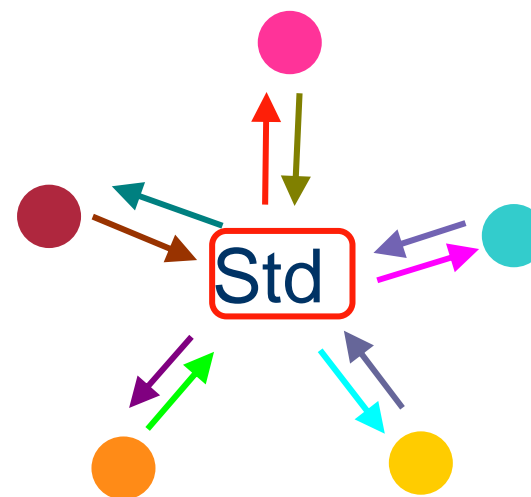
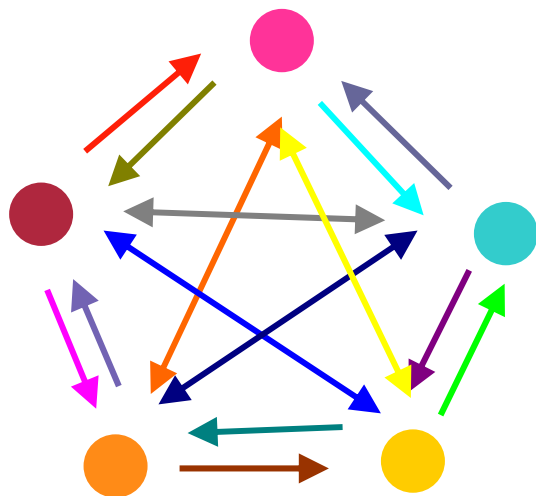
# Interoperabilidad

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- **A que nivel**
  - Consulta
  - Intercambio
  - Análisis
- **Qué información**
  - Taxonómica
  - Espacial
  - Procedimientos de gestión
  - Legislación
- **Qué procedimientos**
  - Ej.: de validación

# Papel de los estándares

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# TDWG: Biodiversity Information Standards

<http://www.tdwg.org/>

## Welcome to TDWG

The **International** not-for-profit, scientific international collaboration for biodiversity information dissemination of information about organisms for the

To achieve its goals and guidelines for promotes their users acts as a forum for **about TDWG**

### TDWG Prior Standards

The following standards have been ratified by TDWG prior to the establishment of the new standards track in 2006. For that reason they have all been assigned the status Prior until they are updated to meet the new requirements.

ID	Title	Creator	Date Modified	Package
67	Authors of plant names	Eds. R.K. Brummitt and C.F. Powell	01/01/92	

### TDWG Standards

ID	Title	Status	Date Accepted	Package
85	TDWG Standards Documentation Specification	Draft		stds_doc_spec.zip
87	TDWG Life Sciences Identifiers Applicability Statement	Draft		

75	HISPID3 - Herbarium Information Standards and Protocols for Interchange of Data	Conn, B., Editor	01/01/96	
76	Plant occurrence and status scheme	Leon, C., D. Mackinder, P. Rooney, & H. Syngé	01/01/95	
77	Taxonomic literature, ed. 2 and its Supplements	Stafleu, F.A. & R.S. Cowan	01/01/76	
78	Botanico-periodicum-huntianum	Lawrence et al.		
79	Plant names in botanical databases	Frank Bisby	01/01/95	
80	Botanico-periodicum-huntianum/supplementum	Bridson, G.D.R. & E.R. Smith	01/01/91	
81	Access to Biological Collection Data 2.06	Berendsohn, Rubel,	07/05/95	



# Información espacial

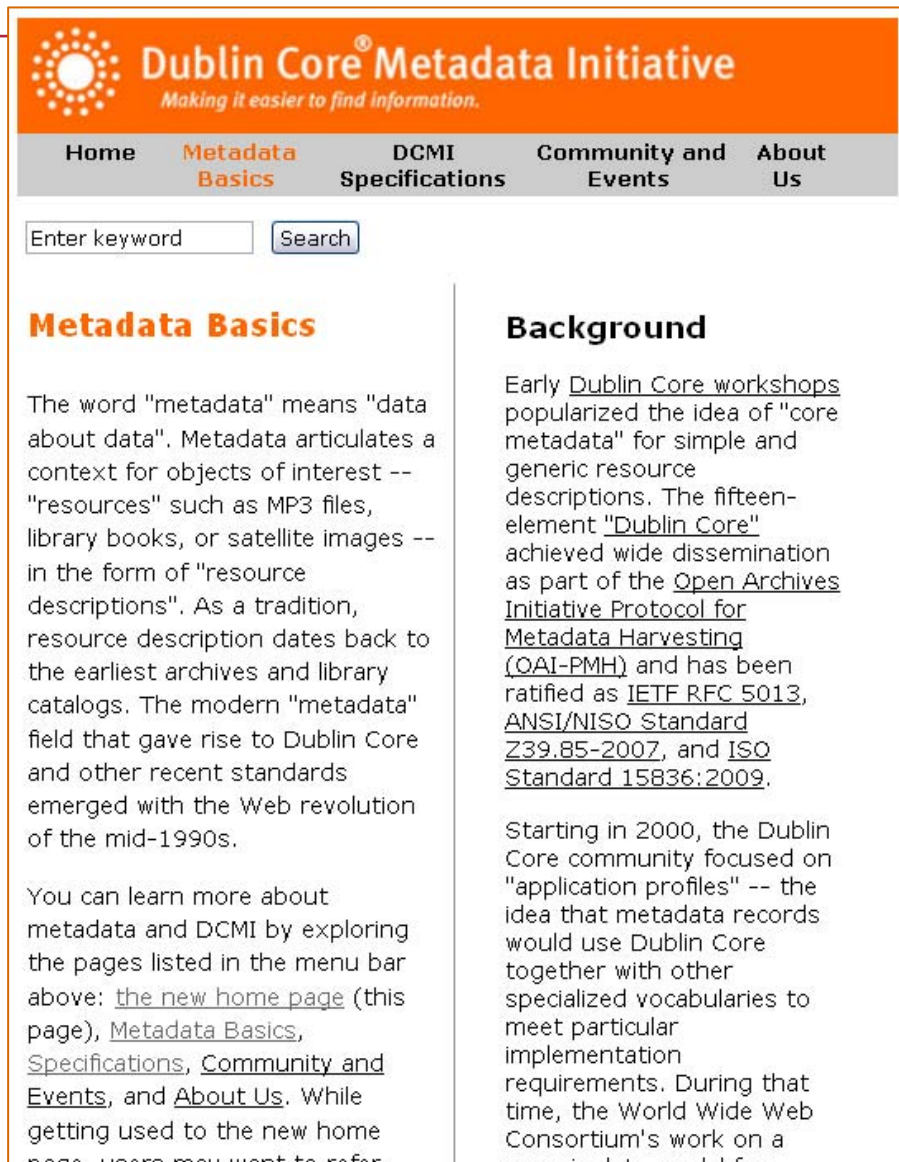
The screenshot shows the OGC website with the following elements:

- OGC Logo:** "Making location count" with the tagline "Open Geospatial Consortium, Inc."
- Navigation:** Links for "About", "Standards", "Programs", "Press", "Events", "Implementing", and "Compliance".
- Standards Menu:** A list of standards including Catalogue Service, CityGML, Coordinate Transformation, Filter Encoding, Geographic Objects, Geography Markup Language, Geospatial eXtensible Access Control Markup Language (GeoXACML), GML in JPEG 2000, Grid Coverage Service, KML, Location Services (OpenLS), Observations and Measurements, Sensor Model Language, Sensor Observation Service, Sensor Planning Service, Simple Features, Simple Features CORBA, Simple Features OLE/COM, Simple Features SQL, Styled Layer Descriptor, Symbology Encoding, Transducer Markup Language, Web Coverage Service, Web Feature Service, Web Map Context, and Web Map Service.
- Page Content:**
  - HOME** link.
  - OpenGIS® Standards and Related OGC documents** section header.
  - Text: "The OGC develops and releases a variety of documents. This page provides a short description of each OGC document category as well as links to the appropriate document repository. OGC documents are available on a royalty free, non-discriminatory basis."
  - Abstract Specification** section header.
  - Text: "The Abstract Specification documents a platform independent abstract model for most OGC specification development activities. The Abstract Specification provides a reference model for development of OpenGIS standards. Many elements of the OGC Abstract Specification are C Member approved ISO TC 211 International Standards."
  - OpenGIS® Standards** section header.
  - Text: "An OGC standard is a document, established by consensus and approved by the OGC Members that describe rules, guidelines or characteristics for interfaces and encodings aimed at the achievement of the optimum degree of interoperability. Any Schemas (xsd, xslt, etc) associated with an approved Implementation Standard can be the official **OGC Schema Repository**."
  - Change Requests** section header.
  - Text: "At any time, any OGC member or non-member can submit a Change Request Proposal (CRP) which allows for the formal documentation of a proposed change to an existing, adopted OGC standard candidate OGC standard or to the OGC abstract specification. **Submit a Change Request, Requirement, or Comment for an OGC standard**."
  - OpenGIS® Reference Model (ORM)** section header.
  - Text: "The OpenGIS® Reference Model (ORM) provides a framework for the ongoing work of the OGC. The ORM describes the OGC Standards Baseline (SB), focusing on the relationships between various standards. The OGC SB consists of the approved OpenGIS® Abstract and Implementation Standards as well as OGC Best Practices documents."

<http://www.opengeospatial.org/standards>



# Otros



The screenshot shows the Dublin Core Metadata Initiative website. The header features the DCMI logo and the text "Dublin Core® Metadata Initiative" with the tagline "Making it easier to find information." Below the header is a navigation menu with links for Home, Metadata Basics, DCMI Specifications, Community and Events, and About Us. A search bar is located below the menu. The main content area is divided into two columns. The left column is titled "Metadata Basics" and contains a paragraph explaining the meaning of metadata and its application in various contexts. The right column is titled "Background" and provides a historical overview of the Dublin Core project, mentioning early workshops and the ratification of standards like IETF RFC 5013, ANSI/NISO Standard Z39.85-2007, and ISO Standard 15836:2009.

**Dublin Core® Metadata Initiative**  
Making it easier to find information.

Home **Metadata Basics** DCMI Specifications Community and Events About Us

Enter keyword

### Metadata Basics

The word "metadata" means "data about data". Metadata articulates a context for objects of interest -- "resources" such as MP3 files, library books, or satellite images -- in the form of "resource descriptions". As a tradition, resource description dates back to the earliest archives and library catalogs. The modern "metadata" field that gave rise to Dublin Core and other recent standards emerged with the Web revolution of the mid-1990s.

You can learn more about metadata and DCMI by exploring the pages listed in the menu bar above: [the new home page](#) (this page), [Metadata Basics](#), [Specifications](#), [Community and Events](#), and [About Us](#). While getting used to the new home page, users may want to refer

### Background

Early [Dublin Core workshops](#) popularized the idea of "core metadata" for simple and generic resource descriptions. The fifteen-element "[Dublin Core](#)" achieved wide dissemination as part of the [Open Archives Initiative Protocol for Metadata Harvesting \(OAI-PMH\)](#) and has been ratified as [IETF RFC 5013](#), [ANSI/NISO Standard Z39.85-2007](#), and [ISO Standard 15836:2009](#).

Starting in 2000, the Dublin Core community focused on "application profiles" -- the idea that metadata records would use Dublin Core together with other specialized vocabularies to meet particular implementation requirements. During that time, the World Wide Web Consortium's work on a [specific data model for](#)

<http://dublincore.org>



The screenshot shows the International Organization for Standardization (ISO) website. The header features the ISO logo and the text "International Organization for Standardization" with the tagline "International Standards for Business, Government". Below the header is a navigation menu with links for Home, Products, Standards development, News and media, and About ISO. The main content area is divided into several sections. The top section is titled "ISO Concept Database" and features an image of a globe and several laptops. Below the image is a text box stating "The ISO Concept Database will benefit standards users and developers". To the right of this section is a large image of a gear and a globe, with text below it stating "More than 240 ISO Technical Specification standards on CD-ROM". Below these sections are four columns of links: "Products" (ISO Store, ISO standards, Publications and e-products), "Standards development" (Processes and procedures, Technical committees, Standards under development, Governance of technical work, IT Tools, Supporting services), "News and media" (News, Magazines, Hot topics, The ISO Café, Events), and "About ISO" (The ISO system, Members, Strategy and policies, ISO/IEC Information Centre, Jobs at ISO/ICS).

**ISO** International Organization for Standardization  
International Standards for Business, Government

Home Products Standards development News and media About ISO

### ISO Concept Database

The ISO Concept Database will benefit standards users and developers

More than 240 ISO Technical Specification standards on CD-ROM

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<http://www.iso.org>



- **Interes**
- **Problemas**
- **Siguientes pasos**
  - **Que hacer y como**