



# An Institutional Repository of Biomedical Literature Authored by Italian Researchers

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[www.iss.it](http://www.iss.it)

# OA Archives a **Gateway** between Scientists as Authors and Scientists as Users

**Digital archives in the world** since 22 May 2006

➤ **681** archives

(Registry of Open Access Repositories - ROAR)

➤ **379** open access repositories

(openDOAR Project)

# Increasing Number of OA Repositories *versus*

## Low Number of Articles Archived

- **average number of articles in a repository: 297**  
(Swan A. *Authors and open access*. 1st European conference on scientific publishing in biomedicine and medicine, Lund (Sweden) 21-22 April 2006)

**“Although the number of OA archives and their contents are globally growing, some of them contain only a **small number** of documents”**

*(Study on the economic and technical evolution of the scientific publication markets in Europe. Final report Jan 2006)*

# ISS as both Publisher and Producer of Scientific Literature

## ■ Publisher

- ✓ *Annali dell'Istituto Superiore di Sanità*
- ✓ *Notiziario dell'Istituto Superiore di Sanità*
- ✓ *Rapporti Istisan*



# ISS as both Publisher and Producer of Scientific Literature

- **Producer**

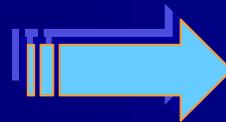
through publication of research results on **scientific journals** issued by traditional publishers:

about **1600 publications** out of a total research community of **700 scientists**, take place every year



# “Aggregating Biomedical Literature” the core of this Project

In 2005 the **Istituto Superiore di Sanità** launched a project aimed at creating an OA archive of biomedical publications produced by Italian research institutions



# Ongoing Developments in the Project

- Establishing an OAI-compliant institutional repository
- Raising OA awareness among ISS research staff
- Developing partnerships with other research institutions

# Technical Aspects of the Repository Implementation Plan

## ➤ Software

*DSpace* open-source platform, version 1.3.2

## ➤ Primary Objectives

Provide both data and services regarding research material produced by the ISS

# DSpace ISS Web Interface

The screenshot displays the DSpace ISS web interface. At the top, there is a Windows taskbar with various icons. Below it is the header for the Istituto Superiore di Sanità (ISS), featuring the logo on the left, the text "Istituto Superiore di Sanità" and "www.iss.it" in the center, and a large letter "D" on the right.

The main content area is divided into several sections:

- Search DSpace:** Includes a search input field with a "Go" button and a link to "Advanced Search".
- Navigation:** A list of links: Home, Communities & Collections, Titles, Authors, By Date, Sign on to: Receive email updates, My DSpace (authorized users), Edit Profile, Help, and About DSpace.
- DSpace at Istituto Superiore di Sanità >**
  - DSpace.iss.it**

Welcome to Dspace.iss.it, the digital repository OAI-compliant of the Istituto Superiore di Sanita' (ISS).

We are using version 1.3.2 of DSpace.

DSpace.iss.it currently holds over 3000 items from publications edited by the ISS, mostly in full-text.

**The repository as a core of a ISS project**  
In 2005 ISS launched a Project aimed at aggregating the biomedical resources, mainly scientific publications, produced by Italian research institutions operating in the Italian National Health Service.

**Partnership for enhancing ISS repository services**  
Together with its own publications, the repository holds a selection of bibliographic data provided from partner institutions such as Scientific Institutes for Research, Hospitalization and Health Care.  
Future implementations are aimed to gain access to scholarly publications within the framework of the Open Access environment and to programme the Institution's repository services.
  - Search**

Enter some text in the box below to search DSpace.
  - Communities in DSpace**

Choose a community to browse its collections.
- DSpace.iss.it**

**Steps toward adopting an Open Access strategy in ISS**

ISS has recently signed the "Berlin Declaration on Open Access to knowledge in the Sciences and Humanities" (<http://www.zim.mpg.de/openaccess-berlin/berlindeclaration.html>)

Self-archiving of post-prints is desirable and is indeed to be expected. To achieve this ISS intends to define a policy to regulate placement by authors of their research results in the repository.

If you are interested in knowing more about DSpace.iss.it and would join the initiative of aggregating scientific publications in the field of public health and related areas, contact: Elisabetta Poltronieri ([elisabetta.poltronieri@iss.it](mailto:elisabetta.poltronieri@iss.it)). Contact person for DSpace technical aspects: Paolo Roazzi ([paolo.roazzi@iss.it](mailto:paolo.roazzi@iss.it)).

**News**

Conference "Institutional archives for research: experiences and projects of OA" scheduled on 30 November - 1 December 2006 at Istituto Superiore di Sanita', (Italy)

**Objectives** of the Conference:

  - 1) make researchers aware of the benefits of OA paradigm;
  - 2) promote cooperation between research

## Crucial points: Establishing a **Routine** Procedure

- **Migration** of items from the internal bibliographic database to the DSpace platform



This will permit metadata to be **harvested** and globally **disseminated**, in order to increase the research **impact** of the ISS literature production

# Enhancing DSpace Modularity

- Creation of an **integrated system** capable of interacting with other IT applications:  
Generate publication lists suitable for the compiling of:

-  annual reports

-  statistics of research output

-  project proposals

# Strategic Aspects

- **Partnerships** as a tool for enhancing the repository services

**Trail uploading** in cooperation with **2 research institutions**:



Centro di Riferimento Oncologico (Aviano)



Policlinico S Matteo (Pavia)

# Uploading DSpace ISS

May 2006:



Over **3000** records linked to full-text , dating back to 1990 until the present



**217** bibliographic descriptions relating to 2005



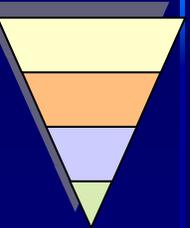
**417** bibliographic descriptions relating to 2004



## Workflow from Partners to ISS

- ❖ Partners supply their data and browse their own **entries** stored **on** the central **ISS DSpace server**
- ❖ **Automatic transfer** of data from partner institution servers to the central ISS DSpace system

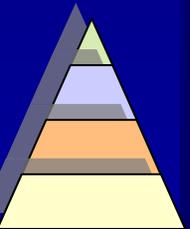
# Moving Towards an Open Access **Strategy** at the ISS



**Top-down approach:** OA paradigm compliance

ISS has recently signed the "**Berlin Declaration**"

(152 signatories up to April 2006 including 71 Italian Institutions)



An **internal survey** performed to identify ISS research staff attitudes and perspectives regarding the OA model

**Bottom-up approach:** exploring OA awareness



## Survey Results on OA Issues

### **OA awareness** among ISS research staff

62% of respondents declared they were aware of the OA principles

### **Acknowledged benefits** offered by the creation of an ISS institutional repository

Making publications freely accessible online, with no legal or technical barriers, was the advantage recognized by the majority of respondents (67%)

# Self-archiving of Scientific Work

- ❖ 97% of the population surveyed answered they would deposit the published version of their work
- ❖ just 20% would archive pre-referred or referred papers
- ❖ 54% agreed to deposit their work on condition that a formal ISS policy be pre-defined

# **Urgent** requirements: a **Blend** of Technological, Managerial and Cultural Issues

Establishing an author-archiving **policy**

- ❖ Self-archiving of post-prints is desirable

**Customising** DSpace interface

- ❖ To make it easier for ISS researchers to archive their work

Getting the researchers **involved** in the logic of OA

- ❖ Without changing their publishing practices