

# Working for an open e- *publishing service* to improve grey literature editorial quality

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# Background of the study

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## ■ Advantages in the development of e-Publishing service

- Sustainable economic model based on Open source technologies
- Enhancement of the editorial quality of “in-house” publications
- “Second life” for previously paper-based Grey documents
- New opportunities to manage and diffuse research outputs
- Providing services that researchers understand, need and value
- Suitable for Humanities and Social Science (locally-oriented and mainly monograph-based)



**New role of Academic and Research Libraries in the  
co-management and integration of different services?**

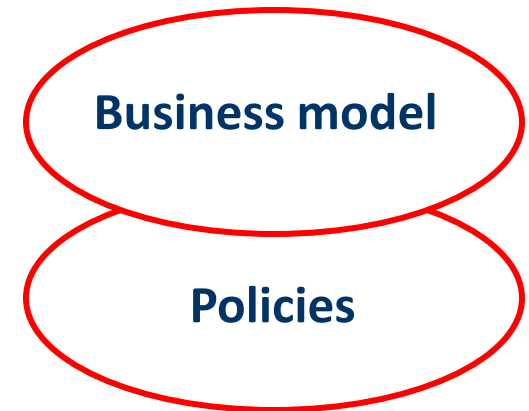
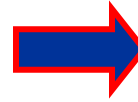
**(Repositories, Digitization initiatives, Digital preservation)**

# Aims

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## Analysis of CNR Institutes' editorial production

- type of products
- editorial quality
- technology used
- type of distribution
- access and discovery



**Improve editorial quality of in-house scientific publications**



**Increase availability of scholarly research outputs at a reasonable costs**

# Methods

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**Source of analysis:** CNR Research Institutes website

**Data analysed:** products published in-house and/or in collaboration with commercial publishers

**Type of analysis: qualitative**

- ✳ Identification of current and ceased products with a minimal set of editorial elements (i.e.: series title and/or number);
- ✳ Classification of products according to their level of innovation in content management
- ✳ Identification of the business model
- ✳ Identification of a set of indicators to measure products' editorial quality

**Period of analysis:** data was gathered in September 2012

# Survey design

DEPARTMENTS	<i>Number of Institutes</i>	<i>I</i>	<i>A</i>	<i>Z</i>	<i>X</i>
Earth & environment	13	2	3	8	0
Agriculture & food	10	1	2	7	0
Biomedical sciences	17	0	0	7	10
Chemistry & materials techn. sciences	14	0	0	7	7
Physics sciences	14	0	2	5	7
Engineering & ICT	21	1	7	12	1
Social sciences & humanities	20	6	8	5	1
<b>Total</b>	<b>109</b>	<b>10</b>	<b>22</b>	<b>51</b>	<b>26</b>

## Criteria for the selection of the Institutes:

**I** = CNR Institutes that manage its in-house scientific production in an innovative way  
**A** = CNR Institutes that manage its in-house production applying an editorial control that includes at least a standardized series title and number

**Z** = CNR Institutes that produce GL without applying any editorial control  
**X** = CNR institutes that have no GL production



**Analyzed Institutes**



**Excluded Institutes**

# The data

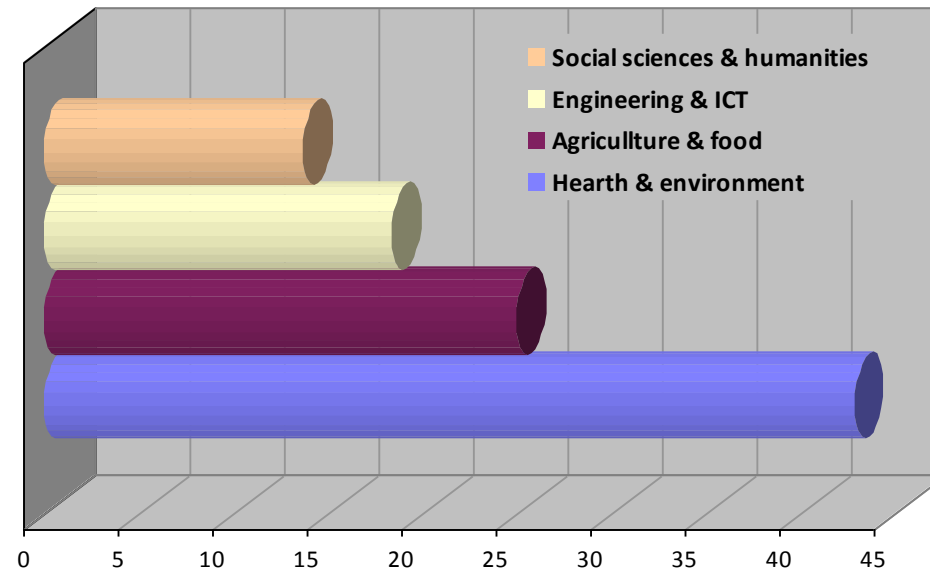
■ 106 products analyzed:

■ 87 traditional products

■ 19 digital products

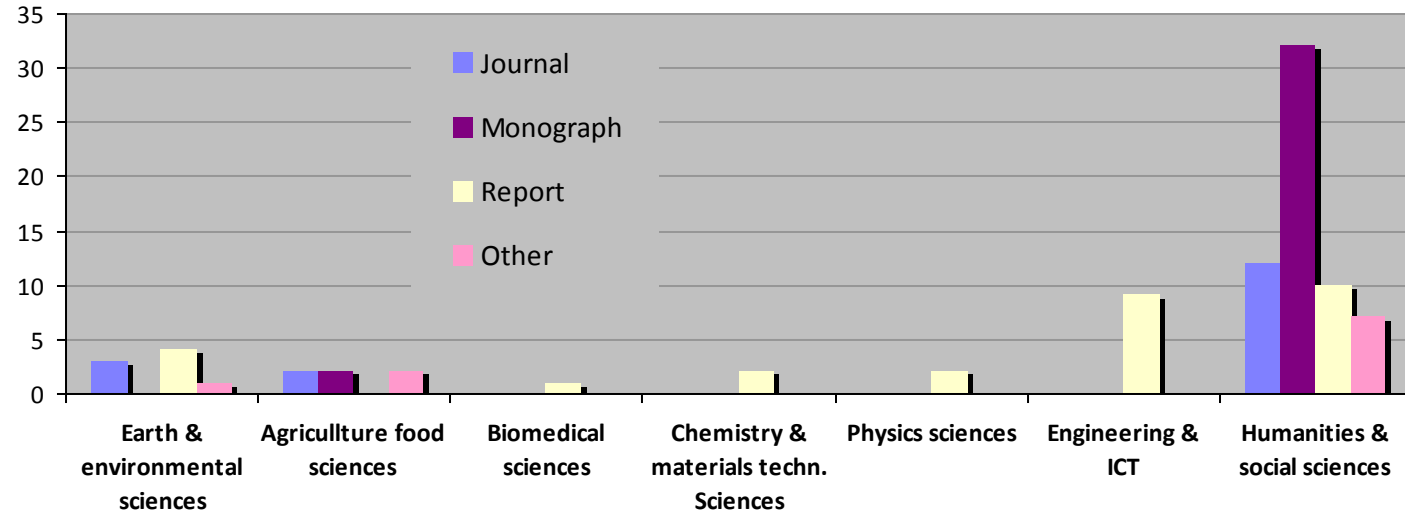
DEPARTMENTS	Number of editorial product	Traditional product (A)	Digital product (I)
Hearth & environment	14	8	6
Agriculture & food	8	6	2
Biomedical sciences	1	1	0
Chemistry & materials techn. Sciences	0	0	0
Physics sciences	2	2	0
Engineering & ICT	11	9	2
Social sciences & humanities	70	61	9
Total	106	87	19

Digital products  
by department (%)

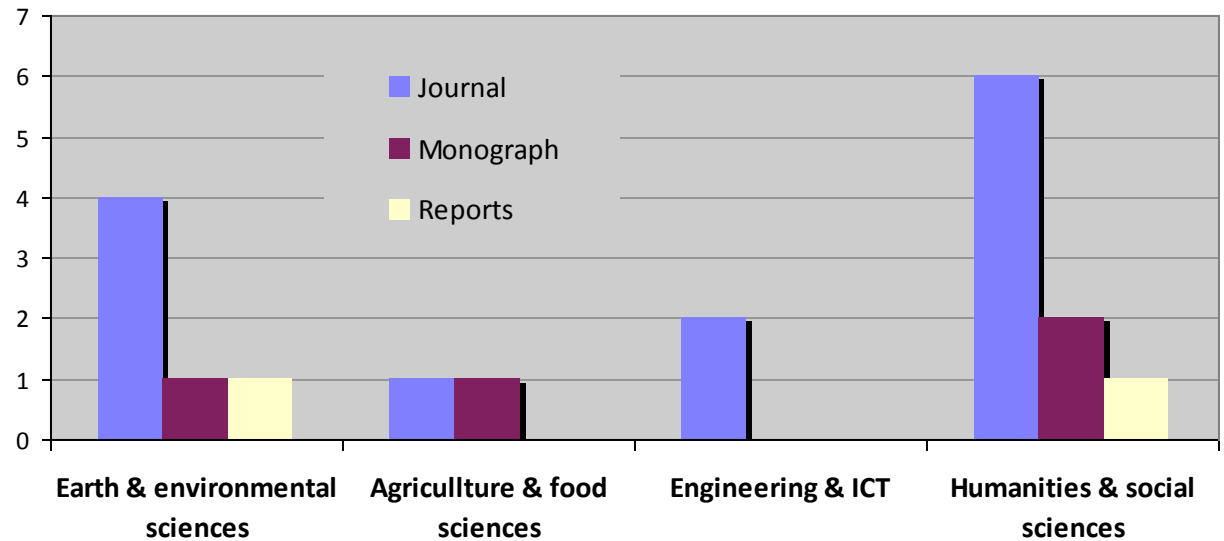


# Traditional and online publishing

## Traditional editorial products



## Digital products



# Traditional and long-standing CNR collections

## BRUNIANA & CAMPANELLIANA

Ricerche filosofiche e materiali storico-testuali

ANNO XIII  
2007/1



PISA - ROMA  
FABRIZIO SERRA - EDITORE  
MMVII

## THESAURUS LINGUAE ETRUSCAE

I  
INDICE LESSICALE  
SECONDA EDIZIONE



PISA - ROMA  
FABRIZIO SERRA  
MMVII

## MEDITERRANEA

ANNO XIII  
2007/1



PISA - ROMA  
FABRIZIO SERRA  
MMVII

## CAERE - 4

M. Cristofani

V. Bellelli  
A. Guarino  
G.F. Guidi  
M. Rendeli  
G. Trojsi



VIGNA PARROCCHIALE:  
SCAVI 1983-1989

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ROMA, EDIZIONI DELL'ATEREO, 1949

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DEL CENTRO DI  
STUDI VICHIANI

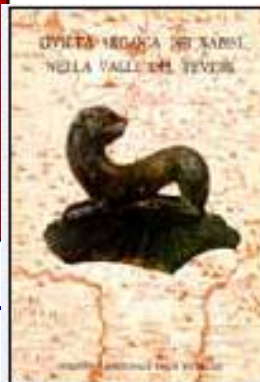
LA TOMBA  
DELL'ETA' DEL BRONZO TARDIO  
DALL'ANTATO DI PALEOCASTRO  
PRESSO AVIA (BN)



IL CARTEGGIO  
DI  
ANTON FRANCESCO GORI



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EVOLUTIONARY DYNAMICS  
AND SCIENTIFIC FLOWS OF  
NANOTECHNOLOGY RESEARCH  
ACROSS GEO-ECONOMIC AREAS

Coccia Mario

ISTITUTO DI ANALISI DEI SISTEMI ED INFORMATICA  
"Antonio Ruberti"  
CONSIGLIO NAZIONALE DELLE RICERCHE

G. Luzzi, S. Lucidi, F. Rinaldi

DERIVATIVE-FREE METHODS FOR  
CONSTRAINED MIXED-INTEGER  
OPTIMIZATION

R. 11-11, 2011

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Rome, Ita



# Analysis of the business process

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## **NO Linear process:**

Depending on the business model adopted  
on the organisational framework

on the type of products

on the access policies

on the evaluation strategies

on the technology used

.....

**.... Some examples**

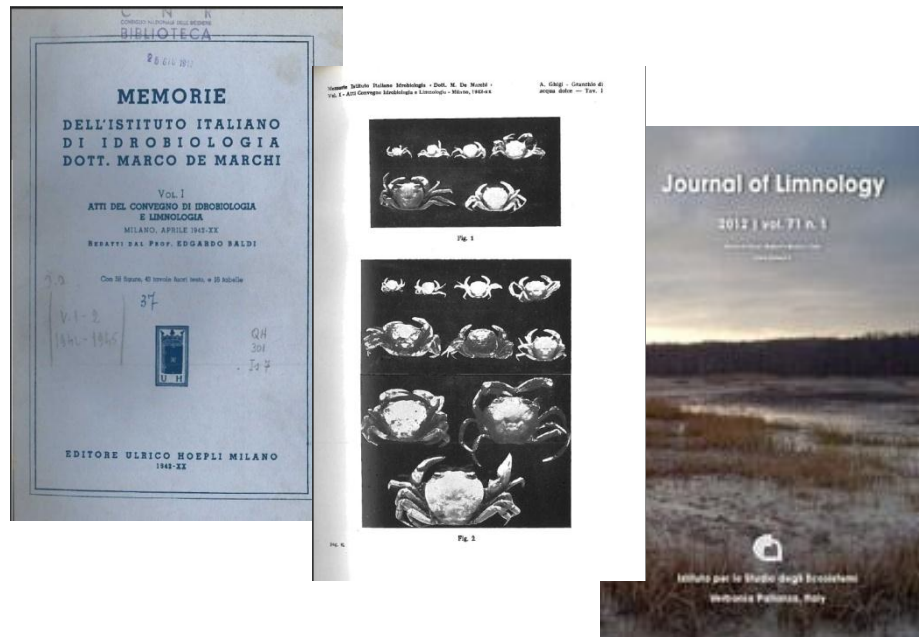
# Some characteristics of digital products (= 19)

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Production & Diffusion		%
In-house		68.4
Partially in-house		26.3
<i>National commercial publisher (for print distribution)</i>		<i>52.6</i>
International Commercial publisher		5.3
Access policies		
Full OA		78.9
Delayed OA		10.5
Open access online/Subscription for print		5.3
Subscription/online & print		5.3
Technology used		
Content management system		63.2
Open source electronic publishing system		31.6
Publisher's platform		5.3
Copyright & Licensing		
Yes		78.9
Not available		21.1
Peer review		
Yes		68.4
Not available		31.6
Scientific-committee and editorial board		
Yes		73.7
Not available		26.3
International standard codes		
Yes		78.9

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# From traditional to digital products 1)



*From a high quality GL to  
an OA journal*

**Business model:**

**In-house production**

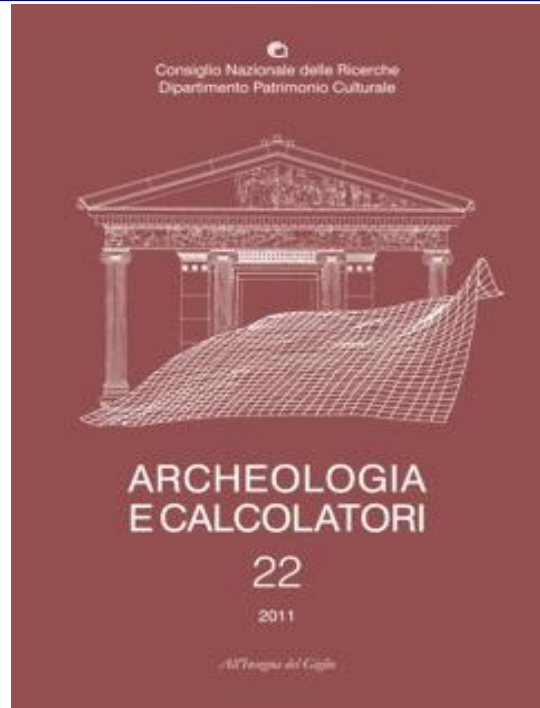
**Peer-reviewed Journal**

**External copy-editing**

**Full OA from 1999**

**OJS platform**

# From traditional to digital products 2)



***OAISistema*** based on  
*OAI-PMH standard*

## **Business model:**

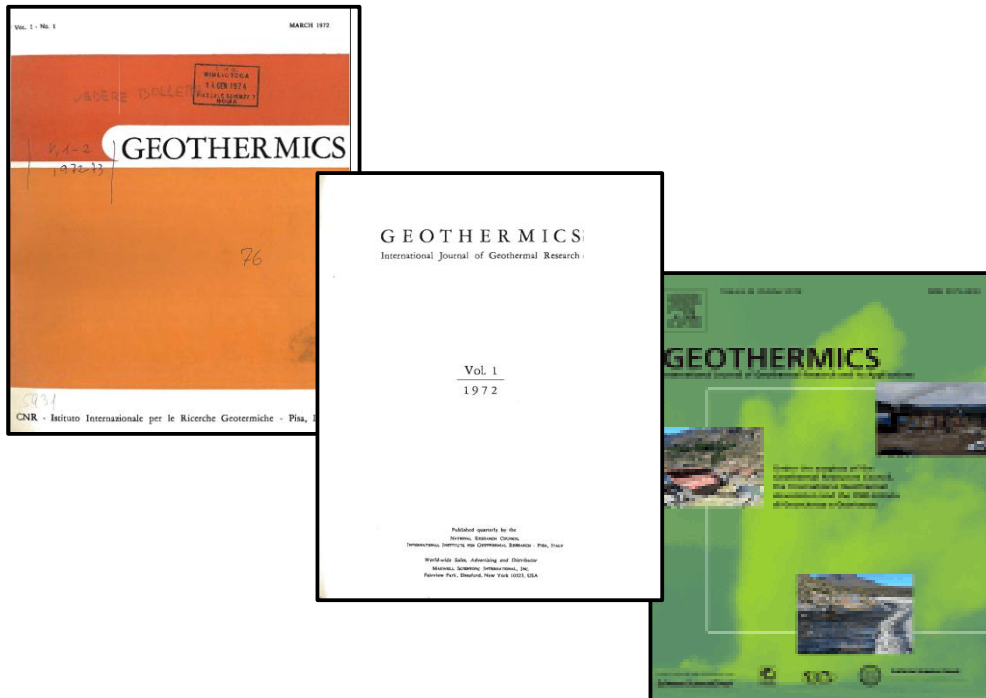
**In-house production**

**Peer-reviewed Journal**

**e-publishing system locally developed**

**Full OA, since 2004**

# From traditional to digital products 3)



*From paper-based  
to electronic journal*

## Business model:

International disciplinary community

Peer-reviewed Journal

International commercial publisher

# From traditional to e-publishing service 4)



## Business model:

In-house production & distribution

Peer-review: internal evaluation for WPs, external for Monographs

Full OA

OJS platform

## IRPPS e-publishing service

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# Conclusions

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## Editorial products

- ❖ In-house products vary according to disciplinary fields
- ❖ In Science and Humanities the highest number of traditional editorial products
- ❖ Digital products are concentrated in Earth and Environmental Sciences

## Business models

- ❖ Disciplinary fields do not influence the business model
- ❖ The adoption of new technologies does not depend on the disciplinary field, but is influenced by a long tradition in editorial production

## Editorial quality

- ❖ Stability, visibility, adoption of bibliographic and editorial standards increase the quality of both traditional and digital products