

Open archives and SIGLE participation in Italy: Is there a subtle link between the two experiences?

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Is there a link between the experiences of developing an Open Archive and of participating to SIGLE database?

SIGLE

Great differences in:

OA/ IR

Start: 1985

Distributed input

Centralised access

- Periods of development
- Organisation in collecting data
- Technologies used

~ 1995/ 2002

Self-archiving

Web

Common features:

- **Similar aims**
- **Creation of the conditions of successful initiative**

- GL and institutional/discipl. coverage
- Building a network
- Attracting/convincing to participate
- Introducing a cultural change

... other common features: GL diffusion

From GL point of view:

diffusion and visibility of:

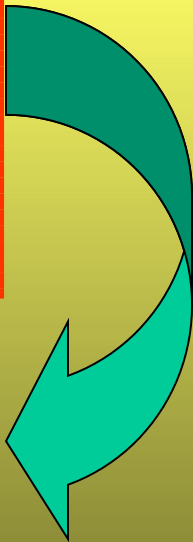
- documents produced within an Institution
- entitled to be part of the research output to be evaluated
- tendency to preserve other types of GL (learning objects, data sets...)

From IRs point of view:

Ideal complete coverage of the scientific production of an Institution in terms of:

- Research
- Teaching
- Cultural life

Only the integration and presence of both GL and Conventional literature can make IRs alternative and/or complementary to commercial publishers



Aim of the paper

Outline the Italian initiative in IRs



- data providers
- organisation & technical aspects
- improvements in interoperability and integration of resources

Analysis of the possible changes in the Italian contribution to SIGLE

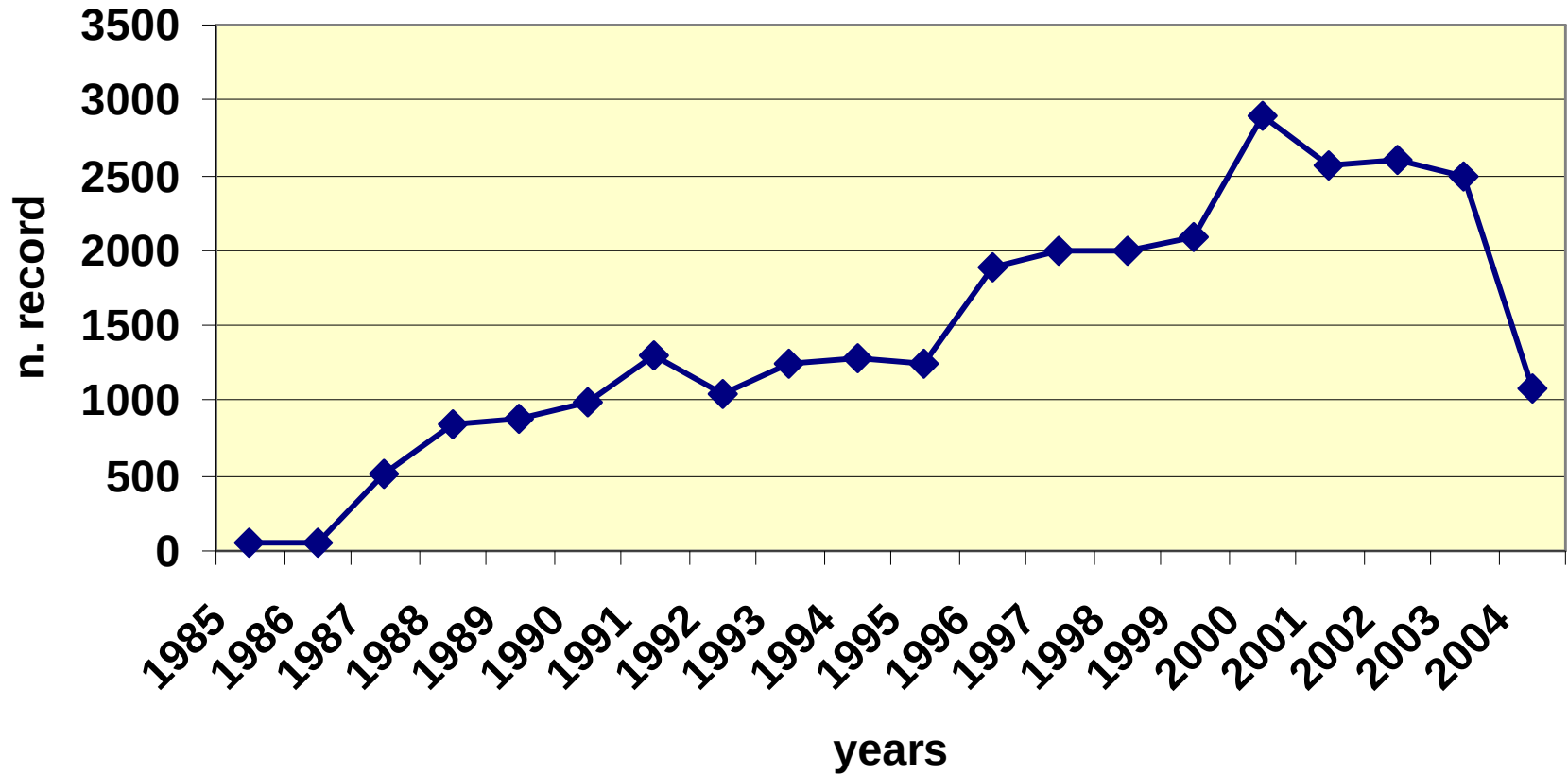


- trends in the Italian input
- Italian GL producers &
- document types



- Lesson learned from SIGLE organisation
- Identify best practices to promote IRs

Italian contribution to SIGLE



Italian GL producers in SIGLE

Italian input by GL producers in the period 1995-2004 compared to 1985-1994

	1985-1994	1995-2004	Growth index
University	306	10,906	34.6
Research institutions	7,702	9,450	0.2
Governmental institutions	39	781	19.0
Foundations & Res. Centers	153	682	3.5
Associations & Societies	423	413	0.0
Total	8,196	22,303	1.7

Italian contribution is mainly technical-scientific

Stable or occasional GL contributors?

Italian input by GL range of documents and producers types

No. of documents	Universities	Research institutions	Government. institutions	Associations & Societies	Foundations & Res.Centres	Other	Total	%
<10	10	20	93	78	32	29	262	71,8
11 -200	37	9	21	5	5	0	77	21,1
201-400	11	1	0	0	1	0	13	3,6
401-1000	6	1	0	0	0	0	7	1,9
1001-4000	1	3	0	0	0	0	4	1,1
>4001	0	2	0	0	0	0	2	0,5
	65	36	114	83	38	29	365	100,0

Italian input by GL producers and types of documents

GL producers	1985-1989		1990-1994		1995-1999		2000-2004		Totale	
	No.	%	No.	%	No.	%	No.	%	No.	%
Universities	5	0,2	301	5,1	2.892	30,7	8.014	62,2	11.212	36,8
Research institutions	2.315	99,1	5.387	91,8	5.465	58,0	3.985	30,9	17.152	56,2
Governmental institutions	13	0,6	26	0,4	347	3,7	434	3,4	820	2,7
Foundations & Res.Centres	0	0,0	153	2,6	471	5,0	211	1,6	835	2,7
Associations & Societies	2	0,1	3	0,1	202	2,1	211	1,6	418	1,4
Other	0	0,0	0	0,0	43	0,5	28	0,2	71	0,2
Total	2.335	100,0	5.870	100,0	9.420	100,0	12.883	100,0	30.508	100,0
Types of documents										
Ac. or progr. reports	2.001	85,7	5.319	90,7	6.005	65,1	4.649	39,9	17.974	61,8
Dissertations	2	0,1	31	0,5	1.678	18,2	6.363	54,6	8.074	27,8
Conference Proceed.	238	10,2	385	6,6	838	9,1	131	1,1	1.592	5,5
Miscellaneous	0	0,0	0	0,0	644	7,0	490	4,2	1.134	3,9
Others	93	4,0	129	2,2	54	0,6	13	0,1	289	1,0
Total	2.334	100,0	5.864	100,0	9.219	100,0	11.646	100,0	29.063	100,0

Italian GL Producers with over 300 documents

GL Producers	1985-94	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total
Pavia Univ.	3	0	24	0	19	38	25	54	91	45	14	313
Milan Polytechnic	0	0	3	0	16	11	60	27	136	65	3	321
Genoa Univ.	0	0	0	0	16	46	48	76	78	59	30	353
Bank of Italy	56	23	36	39	9	26	8	25	52	87	12	373
Catania Univ.	0	0	0	0	14	47	39	58	25	120	71	374
Naples Fed II Univ.	0	0	23	0	58	61	117	74	94	18	2	447
Florence Univ.	3	0	1	0	47	60	86	98	161	78	11	545
Siena Univ.	65	30	38	22	36	70	30	59	100	70	37	557
Padua Univ.	50	38	37	39	37	97	78	77	82	35	15	585
Milan Univ.	0	0	1	1	111	78	83	124	231	131	38	798
ISS	382	54	60	43	52	10	60	86	11	61	24	843
Bologna Univ.	102	27	34	20	111	111	147	102	120	149	74	997
Rome La Sap. Univ.	14	8	20	5	132	98	158	152	259	227	43	1116
INFN	700	92	86	185	69	74	67	113	0	0	0	1386
ENEA	755	29	43	77	48	37	69	75	99	149	33	1414
ISAS	941	77	103	91	67	110	1042	246	0	0	0	2677
IC	2807	395	274	229	187	261	26	303	116	160	108	4866
CNR	1889	243	785	678	332	186	129	156	261	160	131	4950

Italian Repositories: some data

Italian implementation of IRs is still at a developmental stage
The majority of Italian universities have signed the Berlin Declaration

18 Repositories

- 14 Institutional repositories
- 4 disciplinary repositories

10 universities

4 research institutions

1 international disc.repository

No. of documents	No. of Repositories
< 60	5
60 - 200	3
201 - 400	3
401 - 600	3
601 - 900	0
901 - 2000	2
>2000	2

Italian Repositories: some features

The main role is played by the university library services

- implementation & management
- data control
- ... sometime document submission



- Good opportunity to integrate internal and external resources
- emerging of librarians' new competencies

Value added experiences and/or projects:

- integration with University Press
- link to the evaluation systems of research output (including GL)
- setting up of committees for peer-review



- Increase the impact of research output
- Enhance the quality of open access documents

Types of documents in Italian IRs

Repositories	Monogr./ b.chapters	Journal articles	Conference Proceed.	Reports	Pre-print	Thesis	Didactic materials	Others	Total	
									NO.	%
Bologna University Ams campus	--	--	--	--	--	--	94.6	11.5	464	5.7
Bologna University Acta	50.0	0.1	41.9	--	10.7	0.3	--	--	990	12.3
Bologna University Miscellanea	0.2	0.1	0.3	0.4	3.6	--	--	5.2	25	0.3
Florence University	23.9	4.0	2.9	14.4	1.8	8.6	--	17.7	497	6.2
Messina University	--	6.4	1.9	--	--	--	--	--	269	3.3
Naples Federico II University	1.1	--	0.1	--	25.4	--	--	--	49	0.6
Trento University	0.8	1.1	0.6	70.4	0.6	2.6	--	5.2	583	7.2
E-Lis	9.7	48.3	48.5	10.9	57.4	7.6	2.9	43.8	2,952	36.6
CNR Bologna res.area	--	--	1.0	0.1	0.6	0.1	--	1.0	22	0.3
Institute of social medicine	13.8	2.5	2.2	--	--	--	2.5	15.6	222	2.8
STOA'	0.4	0.1	0.7	3.6	--	1.4	--	--	52	0.6
ISAS (two communities)	--	37.4	0.1	--	--	8.3	--	--	1,434	17.8
Padua University	--	--	--	--	--	42.9	--	--	309	3.8
Pisa University	--	--	--	--	--	7.2	--	--	52	0.6
Rome La Sapienza University	--	--	--	--	--	20.8	--	--	150	1.9
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	8070	100.0
%	5.8	45.5	21.7	8.8	2.1	8.9	5.9	1.2	100.0	

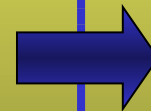
Concluding remarks

Italian input to SIGLE

- Technical scientific content
- Main contribution by research institutions, even if decreasing
- Universities are highly represented by theses



- Take advantage of the network built through SIGLE participation
- SIGLE reference centres could support open access to GL produced by small institutions or occasional producers



Italian IRs

- Few Italian IRs
- few IRs with consistent number of documents
- not complete coverage of the entire institution
- imbalance between LG and conventional Literature



Support of cultural change to improve scientific open access

What else?