

JPI Partner, EU Member State	Italy	IT
Total declared Water RDI Funding: 4.8 ¹ M€/yr		

Italy does not have an overall “National Research Programme for water”, but water topics are included in some RDI programmes managed by national and regional institutions.

The [Ministry of Education, University and Research MIUR](#) is the main RDI funding agency being also the institution responsible for the implementation of the National Plan for Research [PNR](#) which establishes the main actions of the national and regional programming in research and innovation according to the European policies.

The PNR 2014-2020, which is under formal approval and adoption, aims at strengthening the national system of RDI through a better integration of research needs, governance strategies and sources of funding in order to avoid the previous fragmentation of initiatives and duplication of efforts.

MIUR is the owner of the Fund for the Investment in Scientific and Technological Research [FIRST](#) which supports financially projects, social innovation actions and national technological clusters involving 170 Italian universities, 178 research centres, many small and medium enterprises. In 2013 FIRST allocated 63 M € of which 9.5 granted to international cooperation.

Recently the Fund FIRST has incorporated the [PRIN](#) programme for research projects of national interest which was specifically set up in order to co-fund national research projects carried out by universities. Water topics were covered under the Earth science – Civil engineering and architecture themes. In the FIRST is now incorporated the fund for sustaining industrial research and pre-competition development [FAR](#).

MIUR is also responsible of the National Operational Plan Research and Competitiveness 2014-2020 [PON R& C](#) which must be approved by the European Commission as it is supported by structural funds and supervises 12 research public organizations among which the National Research Centre [CNR](#) has many institutes in water research activities such as IRSA, IRPI, ISE, IDPA, IGG, IMAA, ISAC, IREA.

The [Ministry for Environment Territory and Sea Protection MATTM](#) has not a specific research programme, but the General Directorate “Soil defense and water resources” provides funds for prevention and management of hydro-geologic risk and supports R & I activities on water scarcity and drought. In fact the Ministry funds through the National Basins Authorities studies, analyses and research on methods and tools to adopt plans and measures for the implementation of the EU water policies.

The [Ministry for Agriculture and Forests Policies MIPAAF](#) provides the [National Strategic Plan for rural development](#) covering also water issues and supervises the activities of the national research institute of agricultural economics [INEA](#).

[ISPRA](#) - Institute for Environmental Protection and Research - funds the [SIMM](#) Hydro-Meteo-Marine Forecasting System focused on the study and monitoring of hydrologic extreme events and marine status.

The National [Department](#) of Civil Protection within its programme “Operative actions for the management of the national regional alert system of hydrogeologic and hydraulic risk”, funds research organizations for specific studies depending on specific needs.

¹ Surveyed funding in 2010 (http://www.waterjpi.eu/images/documents/Water_JPI_Maturity_Template_20110420.pdf)

Table with publications and patents data

Indicator ¹	SRIA theme	Publications		Patents	
		Italy	Europe ²	Italy	Europe
Raw data	Q1	3288	33531	4	59
	Q2	3029	37391	41	855
	Q3	12519	134254	87	759
	Q4	1659	15957	12	184
	Q5	2190	22514	23	329
	ALL	13535	142901	176	2256
Increasing rate ³		2.5	2.1	2.4	1.3
Patens per 1,000 publications		IT: 13.01 ; Europe: 15.78			
Standardized by population ⁴ (10 ⁶ Inhabitants)	Q1	54.8	53.7	0.0	0.0
	Q2	50.5	59.9	0.7	1.4
	Q3	208.6	215.0	1.5	1.2
	Q4	27.6	25.5	0.2	0.3
	Q5	36.5	36.0	0.4	0.5
	ALL	225.5	228.8	2.9	3.6
Standardized by GDP ⁵ (100 × 10 ³ M EUR)	Q1	215.0	229.3	0.3	0.4
	Q2	198.0	255.7	2.7	5.8
	Q3	818.5	918.1	5.7	5.2
	Q4	108.5	109.1	0.8	1.3
	Q5	143.2	154.0	1.5	2.2
	ALL	884.9	977.2	11.5	15.4

¹ All data correspond to the period 1999 - 2013.

² Considered as the 28 EU Member States plus the 12 Associated Countries.

³ Increasing Rate is the number of publications or patens in 2009-2013 divided by the number in 1999-2003 (considering ALL water topics).

⁴ Population obtained from http://en.wikipedia.org/wiki/List_of_countries_by_population.

⁵ Gross Domestic Product (GDP), nominal, obtained from http://en.wikipedia.org/wiki/List_of_countries_by_GDP_%28nominal%29

Tables on Funders and Performers obtained from publications analyses

SRIA theme	Funding Institutions	Acronym	Intensity of citations
Q1	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	TUSCIA UNIVERSITY	IT-UNITUS	21
Q2	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	ITALIAN MINISTRY OF HEALTH		19
	UNIVERSITY OF PALERMO	UNIPA	12
	UNIVERSITY OF FLORENCE	UNIFI	10
Q3	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	ITALIAN SPACE AGENCY	ASI	11
Q4	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	ITALIAN MINISTRY OF AGRICULTURE AND FORESTRY POLICIES	MIPAAF	54
	UNIVERSITY OF PALERMO	UNIPA	31
	LOMBARDY REGION		14
Q5	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	UNIVERSITY OF PALERMO	UNIPA	16
	NATIONAL RESEARCH COUNCIL OF ITALY	CNR	14
	ITALIAN SPACE AGENCY	ASI	11
	PIEDMONT REGION		11
ALL	ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH	MIUR	100
	NATIONAL RESEARCH COUNCIL OF ITALY	CNR	14

SRIA theme	Performing Institutions	Intensity of citations
Q1	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	UNIVERSITY OF PADUA	31
	SAPIENZA UNIVERSITY ROME	30
	UNIVERSITY OF BOLOGNA	29
	UNIVERSITY OF FLORENCE	27
Q2	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	SAPIENZA UNIVERSITY ROME	53
	UNIVERSITY OF BOLOGNA	52
	UNIVERSITY OF NAPLES FEDERICO II	47
	UNIVERSITY OF GENOA	39
Q3	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	SAPIENZA UNIVERSITY ROME	39
	UNIVERSITY OF NAPLES FEDERICO II	26
	UNIVERSITY OF BOLOGNA	26
	UNIVERSITY OF PADUA	22
Q4	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	UNIVERSITY OF NAPLES FEDERICO II	61
	UNIVERSITY OF CATANIA	48
	UNIVERSITY OF PALERMO ITALY	45
	UNIVERSITY OF PISA	44
Q5	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	UNIVERSITY OF PADUA	58
	UNIVERSITY OF BOLOGNA	44
	UNIVERSITY OF PALERMO ITALY	39
	POLYTECHNIC UNIVERSITY OF MILAN	36
ALL	CONSIGLIO NAZIONALE DELLE RICERCHE CNR	100
	UNIVERSITY OF BOLOGNA	47
	SAPIENZA UNIVERSITY ROME	40
	UNIVERSITY OF PADUA	37
	UNIVERSITY OF NAPLES FEDERICO II	36