

<b>JPI Observer, EU Member State</b>	<b>Belgium</b>	<b>BE</b>
Total estimated Water RDI Funding: 12.2 M€/yr		

The [Belgian Federal Science Policy Office](#), previously known as the 'Federal Office for Scientific, Technical and Cultural Affairs' (OSTC), is a federal administration which covers a very broad area. It manages an annual budget of about 513 M € and a staff of 2.700. The mission of the Federal Science Policy Office is to prepare, execute and evaluate science policy and its extensions, support 10 other Federal Scientific Institutions for the coordination and valorisation of research activities, implement scientific means in support of authority competences. The Research Programmes department is responsible for managing (1) Multi-annual, topic-specific programmes in response to problems linked to the policies of the public authorities, such as social cohesion, sustainable development and information society. The matters fall within the sole jurisdiction of the Federal Government or that of several authorities (federal and federate), in which event the programmes are the subject of co-operation agreements concluded between the Federal Government and the Communities and/or Regions, (2) Basic research programmes are also run under the "inter-university attraction poles" programme (IAP), which falls within the framework of a co-operation agreement between the Federal Government and the Communities. The Office also represents the Federal Government in specific committees of the European Research Programs of the DG Research and related activities.

The [Agency for Innovation by Science and Technology](#) (IWT) is a governmental research funding agency of the Flemish Government. It is responsible for the promotion of innovation through science and technology in Flanders. In this framework one of the missions of IWT is to stimulate the Flemish participation to international RTD and innovation programmes. In addition, IWT is the NCP-organisation for Flanders also the Eureka office and part of Enterprise Europe Network-Flanders. IWT targets researchers from industry, universities and their intermediary organisations, private and public research institutions in Flanders. The [Waterbouwkundig Laboratorium](#) (WL, Flanders Hydraulics Research) is a relevant additional research funder in Flanders. It makes part of the Department of Mobility and Public Works of the Flemish Authorities. WL works for the agencies (water managers of navigable waterways in Flanders) and Maritime Access Division in the field of research and advise on hydrology, hydraulics and nautical sciences, operational services of flood forecasting and warning. The institution acts as Ambassador of CRUE ERA-Net (external relations of the network after formal ending of CRUE as an FP 6 coordination action), and is partner in CIRCLE-2 ERA-Net about climate change adaptation. WL funds and develops actions in water quantity issues, flooding and water scarcity, focusing on navigable rivers and the sea, including the effects of climate change.

The Fonds de la Recherche Scientifique (FNRS) was established in 1928. Its founding principle is the promotion of basic scientific research in the French-speaking Community of Belgium. The organisation has four associated funds: Medical Research, Nuclear Science, Collective Basic Research and Agro-Industrial Research. As the organisation does not harbour laboratories in its premises, all the research is carried out at universities. The organisation supports individual researchers. It awards temporary grants to fund doctoral students and grants for qualified researchers, scientific research workers and research managers. The resources available consist mainly of subsidies granted by the French Community and the Federal State of Belgium. FNRS receives private funds to be spread within the scientific community on the sole basis of scientific excellence. The applicants are selected via peer-review evaluation. The evaluation is done by 32 scientific committees, whose members are leading national and international scientists in their respective field. The FNRS works on a bottom-up approach, which means that there are no targeted approach calls but exclusively proposals freely created by the interested researchers or researchers-to-be. All scientific areas are covered, and scientific excellence is the only criterion.

**Table with publications and patents data**

Indicator <sup>1</sup>	SRIA theme	Publications		Patents	
		Belgium	Europe <sup>2</sup>	Belgium	Europe
Raw data	Q1	1289	33531	2	59
	Q2	1173	37391	16	855
	Q3	4630	134254	14	759
	Q4	500	15957	2	184
	Q5	775	22514	9	329
	ALL	4824	142901	49	2256
Increasing rate <sup>3</sup>		2.3	2.1	1.0	1.3
Patens per 1,000 publications		BE: 10.15 ; Europe: 15.78			
Standardized by population <sup>4</sup> (10 <sup>6</sup> Inhabitants)	Q1	115.1	53.7	0.1	0.0
	Q2	104.8	59.9	1.4	1.4
	Q3	413.6	215.0	1.2	1.2
	Q4	44.7	25.5	0.1	0.3
	Q5	69.2	36.0	0.8	0.5
	ALL	430.9	228.8	4.4	3.6
Standardized by GDP <sup>5</sup> (100 x 10 <sup>3</sup> M EUR)	Q1	344.7	229.3	0.4	0.4
	Q2	313.7	255.7	4.2	5.8
	Q3	1238.1	918.1	3.7	5.2
	Q4	133.7	109.1	0.4	1.3
	Q5	207.2	154.0	2.4	2.2
	ALL	1290.0	977.2	13.1	15.4

<sup>1</sup> All data correspond to the period 1999 - 2013.

<sup>2</sup> Considered as the 28 EU Member States plus the 12 Associated Countries

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

<sup>4</sup> Population obtained from [http://en.wikipedia.org/wiki/List\\_of\\_countries\\_by\\_population](http://en.wikipedia.org/wiki/List_of_countries_by_population).

<sup>5</sup> Gross Domestic Product (GDP), nominal, obtained from [http://en.wikipedia.org/wiki/List\\_of\\_countries\\_by\\_GDP\\_%28nominal%29](http://en.wikipedia.org/wiki/List_of_countries_by_GDP_%28nominal%29)

**Tables on Funders and Performers obtained from publications analyses**

<b>SRIA theme</b>	<b>Funding Institutions</b>	<b>Acronym</b>	<b>Intensity of citations</b>
<b>Q1</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	BELGIAN SCIENCE POLICY OFFICE	BELSPO	42
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	24
	GHENT UNIVERSITY	UGENT	21
<b>Q2</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	58
	BELGIAN SCIENCE POLICY OFFICE	BELSPO	48
	GHENT UNIVERSITY	UGENT	39
<b>Q3</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	BELGIAN SCIENCE POLICY OFFICE	BELSPO	51
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	20
	NATIONAL FUND FOR SCIENTIFIC RESEARCH	F.R.S.–FNRS	20
<b>Q4</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	FLEMISH INTERUNIVERSITY COUNCIL	VLIR	48
	GHENT UNIVERSITY	UGENT	26
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	22
<b>Q5</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	44
	GHENT UNIVERSITY	UGENT	42
	BELGIAN SCIENCE POLICY OFFICE	BELSPO	19
<b>ALL</b>	RESEARCH FOUNDATION FLANDERS	FWO	100
	BELGIAN SCIENCE POLICY OFFICE	BELSPO	47
	AGENCY FOR INNOVATION BY SCIENCE AND TECHNOLOGY	IWT	38
	GHENT UNIVERSITY	UGENT	23

SRIA theme	Performing Institutions	Intensity of citations
<b>Q1</b>	GHENT UNIVERSITY	100
	CATHOLIC UNIV LOUVAIN	94
	FREE UNIVERSITY OF BRUSSELS	74
	UNIVERSITY OF ANTWERP	61
<b>Q2</b>	GHENT UNIVERSITY	100
	CATHOLIC UNIV LOUVAIN	94
	FREE UNIVERSITY OF BRUSSELS	74
	UNIVERSITY OF ANTWERP	61
<b>Q3</b>	GHENT UNIVERSITY	100
	CATHOLIC UNIV LOUVAIN	100
	FREE UNIVERSITY OF BRUSSELS	78
	UNIVERSITY OF LIEGE	33
<b>Q4</b>	CATHOLIC UNIV LOUVAIN	100
	GHENT UNIVERSITY	68
	FREE UNIVERSITY OF BRUSSELS	30
	UNIVERSITY OF LIEGE	10
<b>Q5</b>	CATHOLIC UNIV LOUVAIN	100
	GHENT UNIVERSITY	77
	FREE UNIVERSITY OF BRUSSELS	52
<b>ALL</b>	CATHOLIC UNIV LOUVAIN	100
	GHENT UNIVERSITY	77
	FREE UNIVERSITY OF BRUSSELS	52