

<b>JPI Observer, EU Member State</b>	<b>Sweden</b>	<b>SE</b>
Total estimated Water RDI Funding: 20.5 M€/yr		

Water is not a national research focus area – water RDI is funded across disciplinary and thematic boundaries by several funding institutions (see Table on major RDI Funding Institutions).

The Swedish Research Council Formas is the Swedish funding institution active in Water JPI and described below.

The [Swedish Research Council Formas](#) is committed to excellence in research for sustainable development. The mission of Formas is to promote and support basic research and need-driven research in the areas Environment, Agricultural Sciences and Spatial Planning. The research that is funded should be of the highest scientific quality and relevance to the areas of responsibility of the Council. Formas may also fund development projects to a limited extent.

Formas is a national research council that comes under the [Ministry of the Environment](#). This means that Formas receives most of its financial allocation from this ministry. The rest of the allocation comes from the [Ministry for Rural Affairs](#).

The Appropriation Directives set out the tasks which the Government entrusts to Formas. Reports on the progress of work on these tasks are continually submitted to the Government in the form of evaluations, state of the art, research strategies and research programmes. The work of Formas extends over three areas, support for research, strategy and analysis and research information.

Within Formas' annual open call for proposals, applications can be submitted for research and development projects, mobility starting grants (postdoc grant), and grants for young research leaders. In addition to the annual open call for proposals, Formas also announces strategic calls in one or more thematic areas. These calls may be at any time during the year. They may be either solely financed by Formas or jointly financed by one or more additional funding agencies. The source of joint financing may be national or international.

**Table on major RDI Funding Institutions**

Funder Name	Ministry	Programme	Water Programme name (if any)	Target: Research / Innovation	Bottom-up / Top-down	Annual RDI Water Funding (M€)
The Swedish Research Council Formas	Ministry of the Environment and Rural Affairs	No	No	Research	Bottom up	8 (2007-2012)
The Swedish Research Council (VR)	Ministry of Education and Research		No	Research	Bottom up	
Swedish Agency for Marine and Water Management (HaV)/ Swedish Environmental Protection Agency (SEPA)	Ministry of the Environment			Research	Top down	
<b>The Swedish Foundation for Strategic Environmental Research (Mistra)</b>	Ministry of the Environment			Research	Top down	
Sweden's innovation agency - VINNOVA	The Ministry of Enterprise, Energy and Communication			Innovation	Bottom up	
The Swedish International Development Cooperation Agency (SIDA/SAREC)	Ministry for Foreign Affairs			Research	Bottom up	
The Swedish Water & Wastewater Association (SVU)	Sectorial organisation			Research	Top down	

**Table with publications and patents data**

Indicator <sup>1</sup>	SRIA theme	Publications		Patents	
		Sweden	Europe <sup>2</sup>	Sweden	Europe
Raw data	Q1	1681	33531	2	59
	Q2	1472	37391	20	855
	Q3	6166	134254	39	759
	Q4	568	15957	2	184
	Q5	978	22514	9	329
	ALL	5470	142901	70	2256
Increasing rate <sup>3</sup>		1.7	2.1	0.9	1.3
Patens per 1,000 publications		SE: 12.81 ; Europe: 15.78			
Standardized by population <sup>4</sup> (10 <sup>6</sup> Inhabitants)	Q1	173.7	53.7	0.1	0.0
	Q2	152.1	59.9	2.1	1.4
	Q3	637.3	215.0	4.0	1.2
	Q4	58.7	25.5	0.2	0.3
	Q5	101.1	36.0	1.0	0.5
	ALL	565.3	228.8	7.2	3.6
Standardized by GDP <sup>5</sup> (100 x 10 <sup>3</sup> M EUR)	Q1	408.1	229.3	0.6	0.4
	Q2	357,4	255.7	4.9	5.8
	Q3	1497.0	918.1	9.4	5.2
	Q4	137.9	109.1	0.6	1.3
	Q5	237.4	154.0	2.3	2.2
	ALL	1328.0	977.2	17.0	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>	SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	100
	SWEDISH RESEARCH COUNCIL VR	VR	89
	SWEDISH ENVIRONMENTAL PROTECTION AGENCY	SWEDISHEPA	13
	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	SLU	20
<b>Q2</b>	THE SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	100
	SWEDISH RESEARCH COUNCIL VR	VR	81
	SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	SIDA	63
	KAROLINSKA INSTITUTET	KI	36
<b>Q3</b>	THE SWEDISH RESEARCH COUNCIL VR	VR	100
	THE SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	38
	THE WALLENBERG FOUNDATIONS		21
	SWEDISH ENERGY AGENCY		12
<b>Q4</b>	THE SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	100
	SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	SIDA	63
	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	SLU	53
	THE SWEDISH RESEARCH COUNCIL VR	VR	43
<b>Q5</b>	THE SWEDISH RESEARCH COUNCIL VR	VR	100
	THE SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	94
	SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	SIDA	65
	SWEDISH ENVIRONMENTAL PROTECTION AGENCY	SWEDISHEPA	35
<b>ALL</b>	THE SWEDISH RESEARCH COUNCIL VR	VR	100
	THE SWEDISH RESEARCH COUNCIL FORMAS	FORMAS	93
	SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	SIDA	29
	SWEDISH ENVIRONMENTAL PROTECTION AGENCY	SWEDISHEPA	20

SRIA theme	Performing Institutions	Intensity of citations
<b>Q1</b>	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	100
	LUND UNIVERSITY	73
	STOCKHOLM UNIVERSITY	66
	UPPSALA UNIVERSITY	49
<b>Q2</b>	LUND UNIVERSITY	100
	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	83
	STOCKHOLM UNIVERSITY	80
	UPPSALA UNIVERSITY	75
<b>Q3</b>	LUND UNIVERSITY	100
	STOCKHOLM UNIVERSITY	78
	UPPSALA UNIVERSITY	61
	ROYAL INSTITUTE OF TECHNOLOGY	60
<b>Q4</b>	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	100
	STOCKHOLM UNIVERSITY	40
	LUND UNIVERSITY	30
	ROYAL INSTITUTE OF TECHNOLOGY	17
<b>Q5</b>	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	100
	STOCKHOLM UNIVERSITY	76
	UPPSALA UNIVERSITY	71
	LUND UNIVERSITY	55
<b>ALL</b>	SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES	100
	LUND UNIVERSITY	88
	STOCKHOLM UNIVERSITY	62
	UPPSALA UNIVERSITY	58