

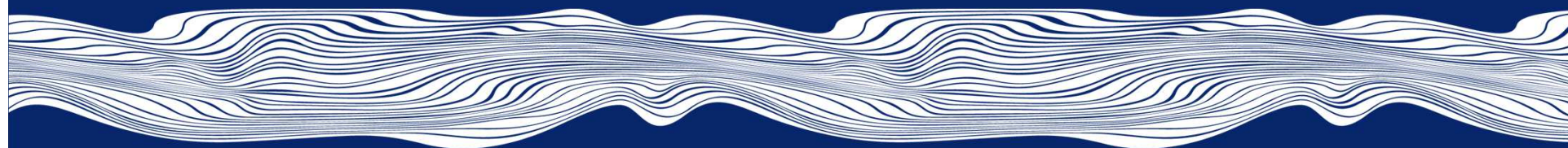


Vetenskapsrådet

SWEDISH RESEARCH COUNCIL

Presentation at
Röntgen Ångström Cluster
Photon workshop at DESY

Johan Holmberg



Part of the Swedish research system

- Provides funding for research of the highest scientific quality
- Overall responsibility for national research infrastructure
- Performs analyses and advises the government
- Promotes international collaborative research
- Coordinates and develops communication about the significance, results and conditions of research



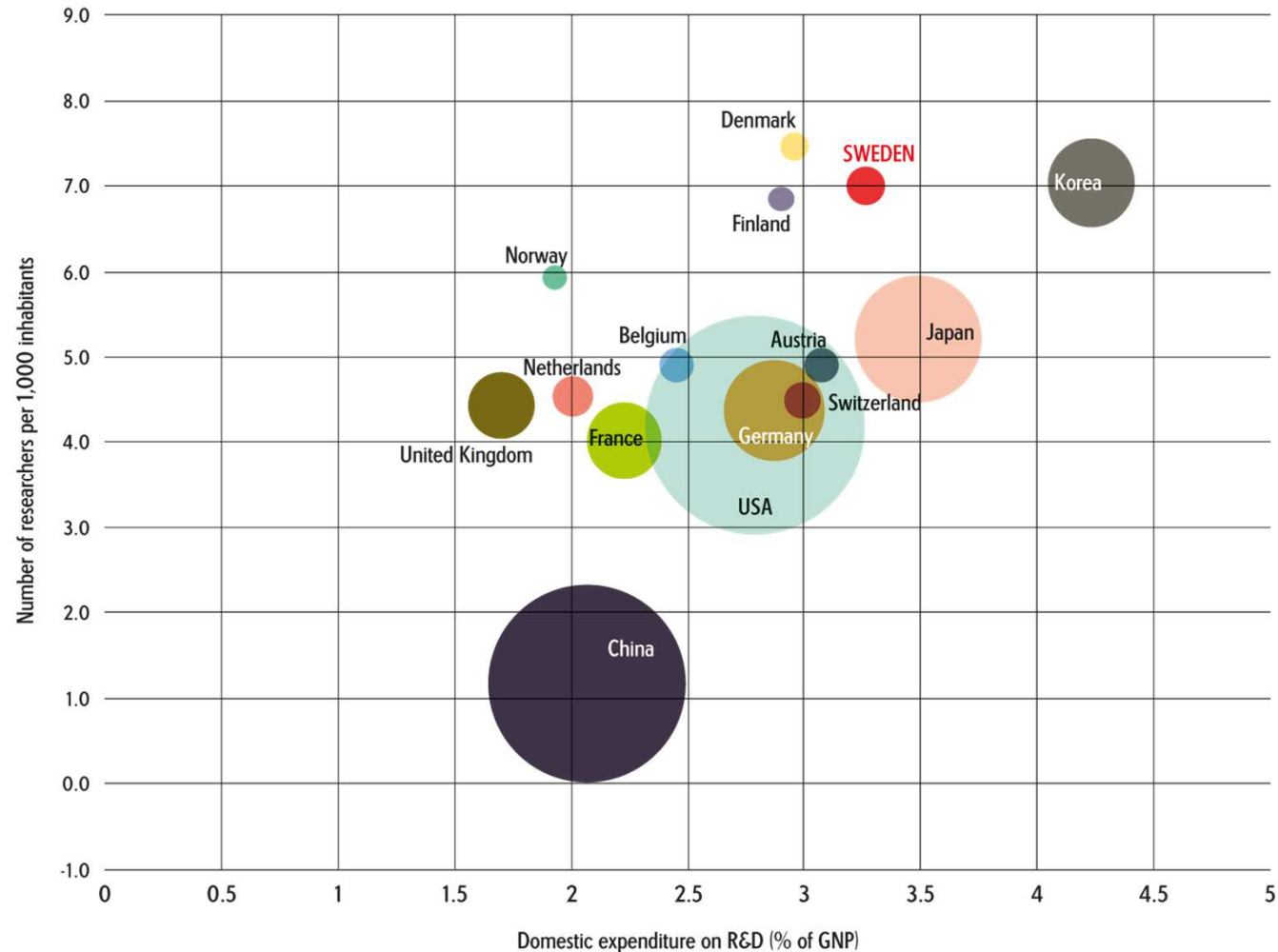
Basic research prepares us for the future

Basic research is an investment in solving future challenges, and provides:

- a broad knowledge base
- new ways of handling challenges
- unexpected research breakthroughs
- democratic vitality



Sweden's R&D in international comparison



The size of the circles illustrates the gross domestic expenditure on R&D in each country in absolute numbers.

Source: OECD 2014



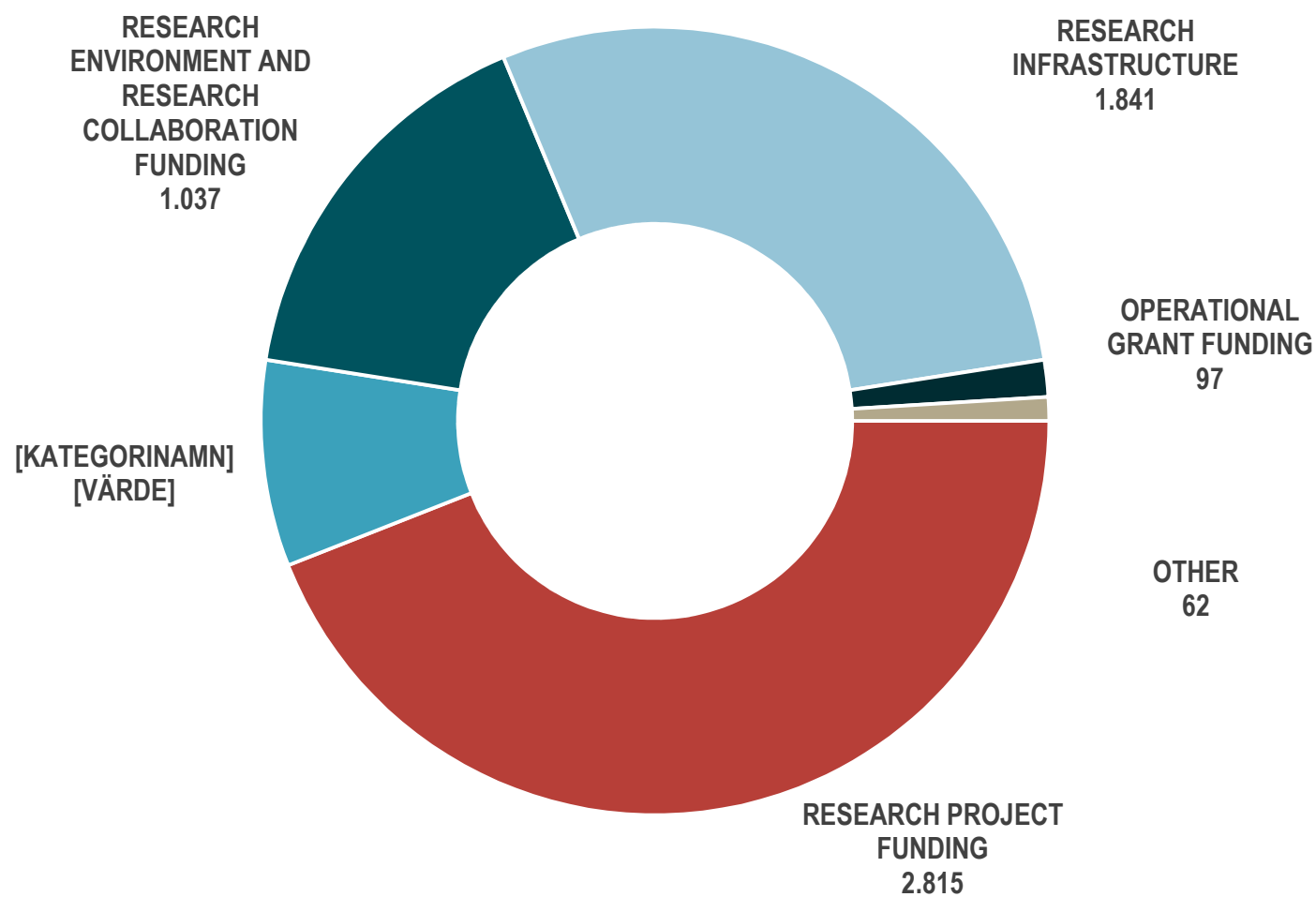
Funding research of the highest scientific quality

- Scientific development is stimulated by open competition where the best research ideas are rewarded
- Efficient, clearly-defined processes
- Peer review for highest research quality
- Researchers on subject advisory boards, councils and committees



Distribution of forms of grants 2016

Total: 6 392 million SEK



Overall responsibility for research infrastructure

- Provides funding for national research infrastructures
- Member of international infrastructures and organisations
- Monitors and evaluates
- Develops strategies and plans for Sweden's long-term needs of national and international research infrastructure



The Swedish Research Council's international activities

- Creates the conditions for researcher mobility with funding for postdoc appointments outside Sweden
- Works for Swedish participation in cross-border research projects
- Cooperates with international research funding agencies for research funding and research policy.
- Provides funding for and participates in the development of international infrastructure



The Swedish Research Council handles a number of bi- and multilateral activities

- Strengthen Swedish research in areas of interest, like (some examples)
 - H2020
 - JPI's and partnership programmes (ERAnet)
 - Bilateral agreements with (examples): China, India, South Korea, Japan, Brazil
 - RÅC – a government initiative
 - Materials research
 - Structural biology
- in connection with the large research infrastructures within x-rays and neutrons that exists, are being built and being commissioned



Röntgen Ångström Cluster [RÅC]

- The research this far has been successful
- New and interesting possibilities are opening this year especially in photon science
- Unique possibilities at MAX IV that should create possibilities for deeper collaboration and excellence
- We believe that a continued collaboration in these researchfields will lead to increased quality as well as help solving future challenges
- There is a need to strengthen the collaboration in neutronsattering
- Cooperation between BMBF and VR has been easy



Additional slides

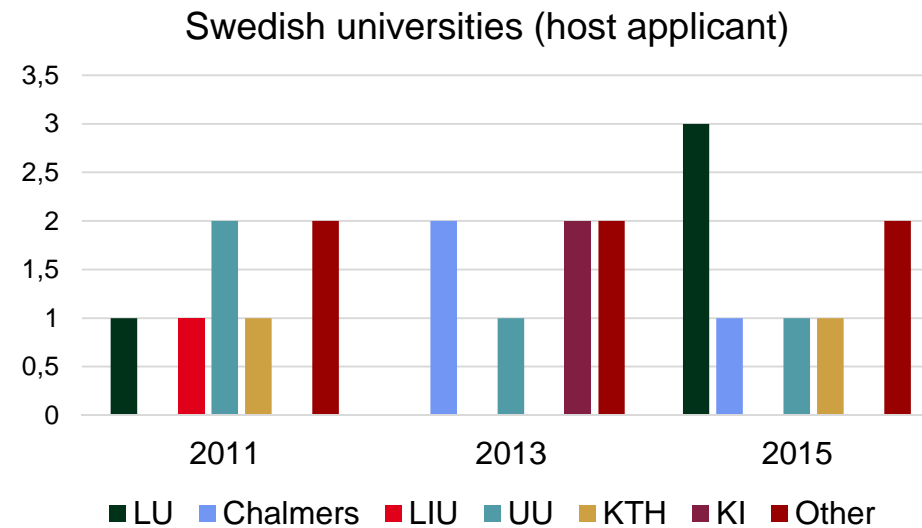
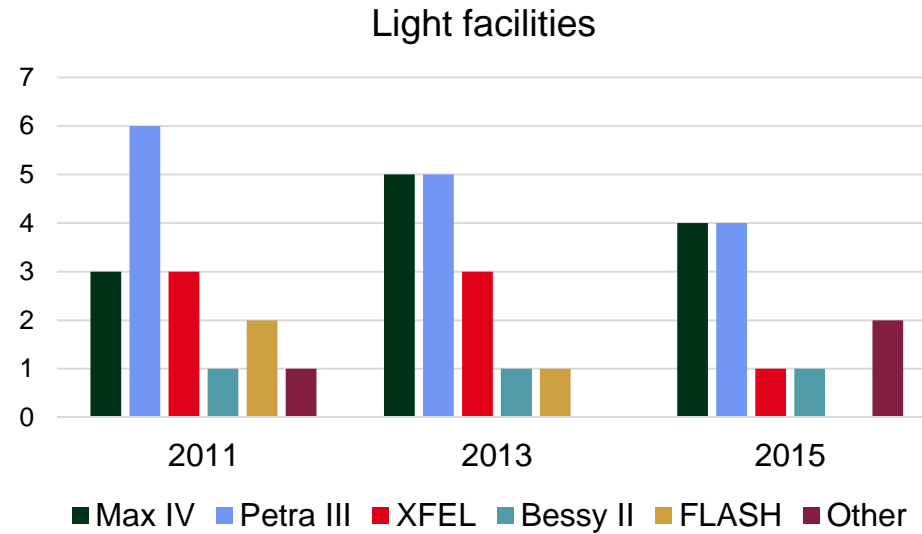


RÅC - Grants Swedish

Application ID	Swedish University	Collaboration Swedish University	German University	Center	Instrument
2015-06115	LU	UU	Berlin, Potsdam	Max IV	Max IV
2015-06125	LU		Göttingen University		Max IV, Petra III
2015-06092	LU	KTH, Chalmers	Uni of Giessen	DESY, DFT	PETRA III
2015-06139	Chalmers		Max Planck Inst of Colloids and Interfaces (Potsdam)	ILL	Neuron Reflectrometry
2015-06099	GU	LU	Luebeck	ESS, EMBL (De)	PETRA III, Max IV
2015-06107	UU		Hamburg U	CFEL	XFEL, XBL
2015-06109	MAH	LU	Helmholtz Zentrum Geesthacht		PETRA III, Max IV
2015-06123	KTH		Humboldt Uni Berlin	HZB	BESSY II
APPROVED 2013					
2013-605	Chalmers	GU	Rostock, Siegen	EU- XFEL	XFEL, PETRA III, Max IV
2013-580	SU	SLU, UU	CAU Kiel, RU Bochum	DESY, Max IV	PETRA III, Max IV
2013-567	Chalmers	LU, GU, Umeå	Kaiserslauten(TUK), CAU Kiel	HASYLAB/LAB	PETRA III, Max IV
2013-541	SU	UU	TUK, Berlin		PETRA III, Max IV, XFEL
2013-574	UU		Berlin,		Max IV, XFEL, FLASH
2013-597	KI		HZB		BESSY II
2013-624	KI		EMBL-HAMBURG	DESY	PETRA III
APPROVED 2011					
2011-6488	UU		EMBL- Hamburg		PETRA III, Max IV, XFEL, FLASH
2011-6491	LU	LU, Chalmers	Siegen, MaxPlanck Berlin, Fritz Haber Insittute	DESY, Max IV	PETRA III, Max IV
2011-6505	LIU		HZG		PETRA III
2011-6501	KTH		HZB		BESSY II
2011-6485	GU	LU	University of Hamburg	DESY, Max IV	PETRA III, Max IV, XFEL
2011-6512	UU	SU	Consortium of researchers at petra III beamline		PETRA III
2011-6497	SLU			DESY	PETRA III, CFEL, FLASH, XFEL



Who and around what RI's did the cooperation end up?





JOINT PROGRAMMING
INITIATIVE
ON ANTIMICROBIAL
RESISTANCE

“The Joint Programme Initiative on Antimicrobial Resistance (JPIAMR) aims to combine the resources, infrastructures and research strengths of multiple countries in order to overcome antibiotic resistance”

www.jpiaamr.eu

