

Report from VR and discussions



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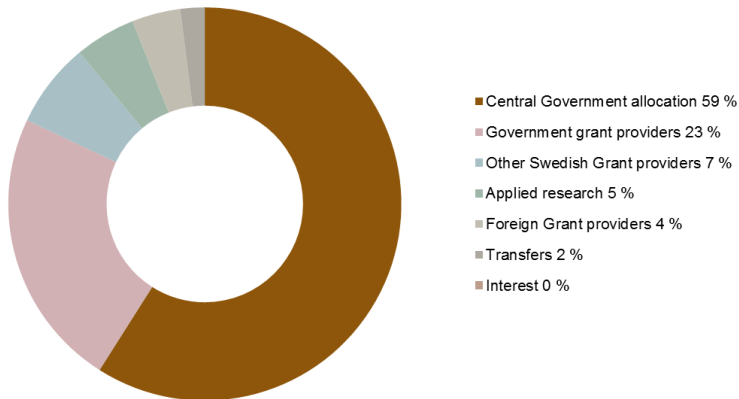
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A typical faculty budget

Lund faculty of science: 979 MSEK (2012)



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A typical faculty budget

- Lund faculty of science: 979 MSEK (2012)
- The central allocation:
 - Bachelor/Master: 129 MSEK (planned 2013)
 - Research/PhD education: 422 MSEK(planned 2013)
- The 41% extern is (essentially) all research
- Yes, (undergraduate) teaching is not our major occupation (despite what the extended family thinks)
- This is for Lund, similar for the others
- Lund university as a whole
 - Central allocation Bachelor/Master: 1887 MSEK (2012)
 - Research/PhD education: 2166 MSEK(2012)
 - External: 2232 MSEK (2012)
 - Other: 600 MSEK (2012)

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Main grant providers

- Swedish government
 - Vetenskapsrådet = Swedish Research Council
 - Vinnova: Innovation: (very) applied research
 - Rymdstyrelsen: Space research
- Swedish private
 - Wallenberg
 - SKB (via nuclear power programs)
 - Nobel
 - Göran Gustafsson
 - Crafoord
 - Strategiska stiftelsen
- EU via framework programs and ERC
- Many more small players

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Board and general director:

- **NT**: Science and technology
- **M**: Medical
- **HS**: Humaniora and social sciences
- **RFI**: Research infrastructure
- Education science
- Development research
- Art research (konstnärlig forskning)

- Sven Stafström, Generaldirektör, Professor i beräkningsfysik
generaldirektör (Linköping)
- General:
 - Lars Anell, Ordförande, Ambassadör
 - Charlotte Petri Gornitzka, Generaldirektör för SIDA
- Researchers
 - Lena Carlsson, Professor i klinisk metabolisk forskning, Göteborgs universitet
 - Danuta Fjellestad, Vice ordförande, Professor i engelska med inriktning mot amerikansk litteratur, Uppsala
 - Peter Hedström, Professor i sociologi, Stockholm
 - Björn Ottersten Professor i signalbehandling, Kungliga tekniska högskolan
 - Olle Stendahl, Professor i medicinsk mikrobiologi, Hälsouniversitetet, Linköping
 - Stacey Sörensen Professor i synkrotronljusfysik, Lunds universitet



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- Total about 5 GSEK to research
- For numbers see: [Årsredovisning VR](#) (taken from 2012 version), have fun yourself with 2013
- Comment: Sweden likes reorganizations, so numbers over a long period difficult to get

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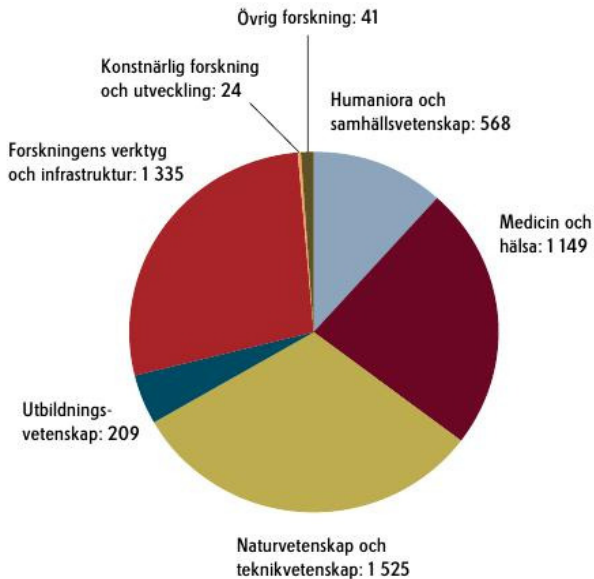
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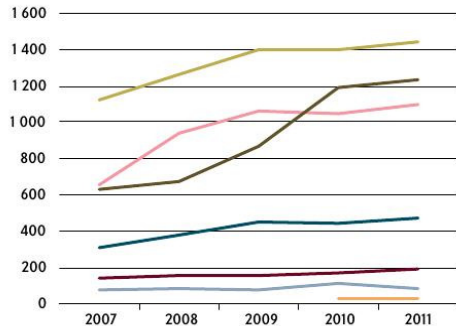
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VR budget

FIGUR 5. VETENSKAPSRÅDETS FORSKNINGSTÖD INOM OLIKA OMRÅDEN 2008-2012, MILJONER KRONOR

Källa: Tabell III.



- Humaniora och samhällsvetenskap
- Medicin och hälsa
- Naturvetenskap och teknikvetenskap
- Utbildningsvetenskap
- Forskningens verktyg och infrastruktur
- Konstnärlig forskning och utveckling
- Övrig forskning

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Things they do:

- MAXlab, Onsala observatory
- ESS
- SNIC, SUNET, NorduGrid, PRACE
- Sweden's participation in international laboratories:
ALMA, CERN, ESO, FAIR, IceCube, ITER, JET, NOT,
SKA,...

The work is divided into preparation groups:

- Beredningsgrupp 1 - Infrastruktur för astronomi och subatomär forskning
 - Göran Östlin, SU, Ordförande/Chair (astro)
 - Barbro Åsman (vice ordförande), SU (particle)
 - Thomas Nilsson, Chalmers (nuclear)
 - Susanna Aalto, Chalmers, Chalmers (astro)
 - Julia Tjus, Bochum, Germany (astropartikel)
 - Per magnusson (Rymdstyrelsen)
- Beredningsgrupp 2 - Infrastruktur för molekyl-, cell- och materialforskning
- Beredningsgrupp 3 - Infrastruktur för forskning om jorden och dess närmaste omgivning
- Beredningsgrupp 4 - Infrastruktur för e-Science
- Beredningsgrupp 5 - Infrastruktur för individ, kultur och samhälle
- Tillfälliga expert- och arbetsgrupper

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Type of grants (and often smaller ones, relevant for here)

- Large databases
- Planning grant
- Large scientific instruments (dyrbar utrustning)
- operation grants (Driftsbidrag), e.g. ATLAS participation costs
- National researchers network
- Swedish research links (international collaboration grants)

Note: Under reorganization right now

These officially take the decisions on grants (all professors)

- Lars Kloo Vikarierande huvudsekreterare/Deputy secretary
general Professor i oorganisk kemi, Kungliga Tekniska högskolan
- Anders Rantzer (Chair), reglerteknik,
Lunds universitet
- Henrik Cederquist, Atomfysik,
Stockholms universitet
- Dan Henningson, fluidmekanik, KTH
- Olle Häggström, matematisk statistik, Chalmers
- Kristina Luthman, läkemedelskemi, Göteborgs universitet
- Ellen Moons, materialfysik, Karlstads universitet
- Ruth Palmer, molekylär genetik, Umeå Universitet
- Per Persson, kemi, Umeå universitet
- Anna Qvarnström, zoeologi, Uppsala universitet

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Type of grants

(check vr.se to be sure, changes often)

- NT alone:
 - Project grants
 - Project grants, young researchers (2-8 years after PhD)
- Together with others:
 - International postdoc (twice a year, PhD less than two years)
 - Distinguished young researchers (5 years, 3 MSEK/year, PhD 6-12 years ago)
 - International Career Grants (3 years, 2 abroad, one in Sweden)
 - Rådsprofessur (10 years, 5 MSEK/year, PhD before 2006-01-01) (Not this year)
 - International recruiting of top researchers (by the rektor)
 - Conference grant (both to organize and to go to)

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Time frame (2014)

- 1 March : Nominations of panel members finished
- 24 March : Meeting of the Scientific Council (Decision about evaluation panel members)
- 9 April : Closing date, Natural and Engineering Sciences
- 15 May : Meeting of the chairs of the evaluation panels
- 21 May : Last day to nominate applications to the interdisciplinary panel (Tvärgruppen)
- 21-22 May : Meeting of the Scientific Council (Decision about members of the special panels)
- 28 May : Deadline for placing applications in evaluation panels and for moving applications
- 3 June : Last day for reports of conflict of interest
- 10 June : Deadline for allocation of applications to reviewers (internal)
- 10-19 June : Dispatch of applications to reviewers
- 19 June : Deadline for request for external review from other councils or evaluation panels

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Time frame (2014)

- 25 August-16 September: Panel meetings
- 7 October: NT-ID gruppen sammanträder (industridoktorand)
- 6 October: Panel for Strategic Energy Research
- 7 October: Panel For Strategic Information/Communication Research
- 14 October Redistribution Group
- 24 oktober: NT-rådsmöte (Grants official decision)

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- Reorganized every 5-6 years (2013 just a new one)
- 19 Different ones
- Remember NT is 1525 MSEK

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Beredningsgruppen

1. Matematiska vetenskaper
2. Datavetenskap
3. **Subatomär fysik, rymdfysik och astronomi**
4. Atom- + molekylfysik, optik + kondenserade materiens fysik
5. Analytisk, fysikalisk och teoretisk kemi
6. Organisk och oorganisk kemi
7. Geologi och geofysik
8. Processer i mark, luft och vatten
9. Biokemi och strukturbiologi
10. Cell- och molekylärbiologi
11. Organismbiologi
12. Ekologi, systematik och evolution
13. Elektronik, elektroteknik,
14. Signaler och system
15. Tillämpad fysik
16. Teknisk mekanik
17. Bioprosessteknik, kemiteknik och miljöteknik
18. Materialvetenskap
19. Medicinsk teknik

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- 3. Subatomär fysik, rymdfysik och astronomi: Acceleratorfysik; Astrofysik; Astronomi; Astropartikelfysik; Fusion; Kosmologi; Matematisk fysik; Plasmafysik; Relativitetsteori; Rymdfysik; Strålningsfysik (icke-medicinska aspekter); Subatomär fysik
- MN: Subatomär fysik, astrofysik, rymdfysik och fusion (2008-2013)
- M: Subatomär fysik och astrofysik (until 2008)
- Until 2000: NFR subatomär var en kommitté
- Notes for next page:
 - What is counted changes often
 - % even more difficult, what is total changes
 - Money spent in the area, not all in the beredningsgrupp (postdocs, . . .)

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Beredningsgrupp 3, MN, M

	2003	2004	2005	2006	2007	
M	59 881	55 245	58 021	55 462	52 675	
%	6.09	7.14	7.44	6.61	6.03	
	2008	2009	2010	2011	2012	2013
M/3	52 521	36 202				67445
MN		19 588	66 914	67 456	69 160	
%	5.56	5.59	6.73	6.59	6.69	6.47

- We have the smallest average grant
- We have the highest degree of granting
- We have very much salary support (Friköp)
- VR considers all these a problem
- Consequence: “our” share has problems in redistribution
- Our argument: “VR is all we can get: so getting no is a very big problem” is probably understood (but ignored) by NT but not at higher levels (including politicians)
- Argument: universities should take care of small groups

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The process

- Grants that run out + some inflation correction + possibly other inputs: determine total budget in area
- Some part goes to redistribution, 2013: 30 MSEK for all 19 groups
- Remainder the group has free disposal over
- Bg 3: 2013: 8.5 MSEK + 2.8 MSEK (young) + LHC
- Bg 3: 2014: 9.4 MSEK + 2.2 MSEK (young) + LHC
- All groups 2013: 156 MSEK + 53 MSEK (young) + special areas
- All groups 2014: 183 MSEK + 40 MSEK (young) + special areas
- Average grant: wanted over 800 kSEK, Bg 3 2013 about 706k
- VR: before was 3 year, this year 100% 4 year

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We were: (area is my note)

- **Lars Bergström**, Stockholm (chair), astropartikel
- **Hannu Koskinen**, Helsingfors, (vicechair), space/plasma
- **Alan Aylward**, UCL London, Storbritannien, astro
- **Philip Bambade**, LAL Saclay, Frankrike, particle
- **Jacqueline Bergeron**, Institut d'Astrophysique de Paris
- **Eric Bergshoeff**, Groningen, strings
- **Johan Bijens**, Lunds universitet, particle/nuclear
- **Katri Huitu**, Helsingfors, Finland, particle
- **Kirsten Kraiberg Knudsen**, Chalmers, plasma/fusion
- **Paola Mantica**, Istituto di Fisica del Plasma, Milano,
- **Géraldine Servant**, UAB Barcelona, Spanien, particle
- **Jouni Suhonen**, University of Jyväskylä, Finland, nuclear
- **Svetlana Ratynskaya**, Kungliga Tekniska Högskolan, Fusion
- **Anders Rantzer**, ämnesrådet NT, observatör
- **Emma Olsson**, Vetenskapsrådet

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What we had

- 118 applications in total
- each read by (at least) three members, final report is from whole group
- 37 Junior project (2.2 MSEK + omfördelning)
- 62 Project (9.4 MSEK + omfördelning)
- RFI
 - 1 Large equipment
 - 2 Operation grant (drift)
 - 3 Planning grant
- 3 Strategic energy
- 6 Distinguished Young Researcher
- 4 International career
- Each reads 20-37 applications, so that's why there are page limits and a font size prescribed

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- 7: Outstanding
- 6: Excellent
- 5: Very good to excellent
- 4: Very good
- 3: Good
- 2: Weak
- 1: Insufficient
- Typically only very few are 1. or 2.
- Instructions for grading: beredningshandboken (is public)
- Rank the applications, till for sure no chance for money
In frame: directly yes; Remainder to redistribution process
Ranking is NOT public, only the grades and whether or not money
- 30% lowest graded not discussed, unless someones asks

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- A well written application helps very much
- Describe what you want to do, avoid being overly vague, but also an overview, how it fits in the field
- No recommendation letters, the application is the information we have.
- Talk to some seniors when submitting an application
- System is electronic: don't wait till the last day
- Many local requirements: must be satisfied before head of department can sign
- Ansökningar blir allmänna handlingar (can be important for patents)

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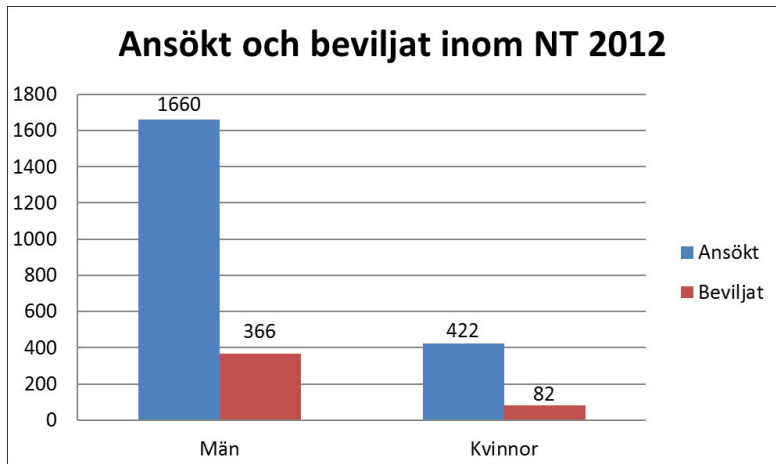
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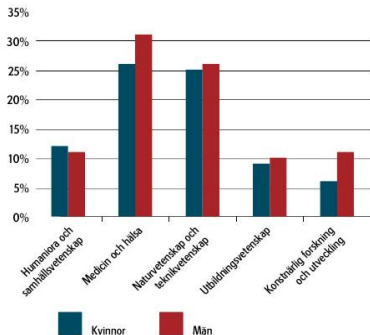




That is 22.0% (men) 19.4%(women) 21.5% (total)

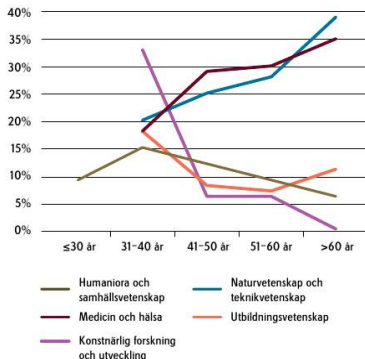
FIGUR 9. ANDEL BEVILJADE PROJEKTBIIDRAG ÅR 2012 UPPDELAT PÅ ÄMNESOMRÅDE OCH KÖN

Källa: Tabell VI-A.



FIGUR 10. ANDEL BEVILJADE PROJEKTANSÖKNINGAR ÅR 2012 UPPDELAT PER ÅLDSGRUPP

Källa: Tabell VI-B.



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Statistics BgMN: Projects only

	Applications			Granted			"Frame"
	F	M	Total	F	M	total	
2010	11	56	67	3	19	22 (32.8%)	11.6 MSEK
2011	10	63	73	4	27	31 (42.5%)	13.3 MSEK
2012	6	55	61	2	25	27 (44.3%)	12.7 MSEK
2013			59	0	15	15 (25.4%)	8.5 MSEK
2014			62				9.2 MSEK

Notes:

- LHC-K + omfördelning not in "frame" but in the other numbers
- Projects young researchers not included
- Young researchers was earlier Swedish postdoc, FoAss, Rådsforskare,
- Decrease due to new grants type related to 'top research' (spetsforskning) and three to four year shift ($9=3/4*12$)

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- Idea: give you some feeling how things go
- <http://www.vr.se>
- and remember: if you don't apply you also don't get it

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