

National Research Programmes

Space Research Programme / Per Magnusson Innovative Satellite Programme / Johan Köhler Balloon and Rocket Programme / Kristine Dannenberg

Svenska Rymdforskares Samarbetsgrupp (SRS) Uppsala, March 11-12, 2014





Outcome of last year's open calls

There were two open calls last year, 2013-R and 2013-BR.

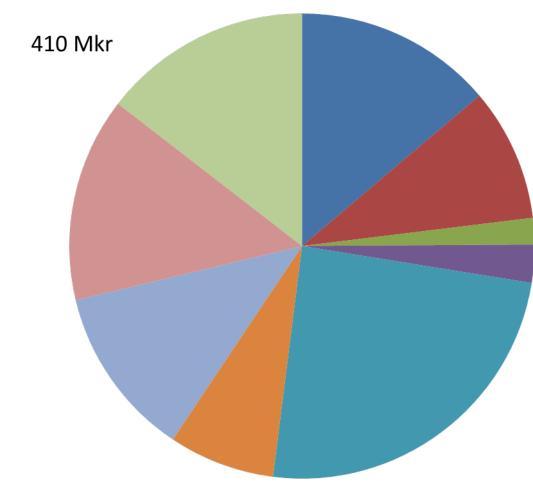
The decisions were based on recommendations from two committees:

- 56 proposals Space Research Advisory Committee (SRAC)
- 19 proposals Remote Sensing Committee (FAK)

Proposals:75 proposals seeking 410 MkrGrants:29 grants totalling82 Mkr

Fraction of sought funding awarded ("**Beviljandegrad**"): Total 20%, PI Female 29%, PI Male 19%, FAK 30%, SRAC 18%



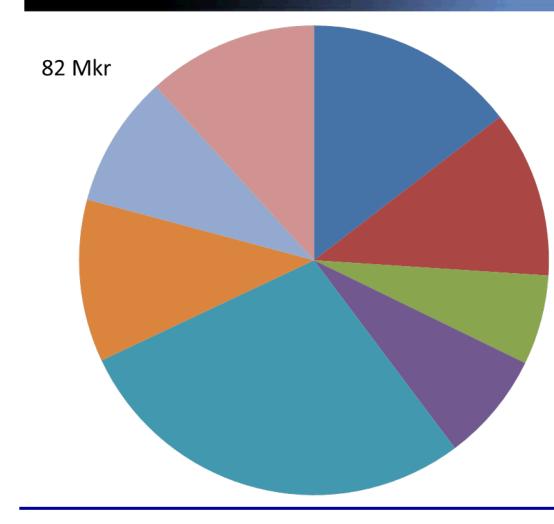


Fördelning av sökta medel på forskningsdiscipliner

- Geofysik, land, vegetation
- Rymdmedicin
- Astrobiologi
- Hydrologi
- Atmosfären
- Magnetosfären, rymdväder
- Solsystemet
- Astrofysik
- Fundamentalfysik









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Overview of grant decisions 2013

- 10.2 Mkr Juice/PEP
- 6.8 Mkr Juice/RPWI
- 1.2 Mkr Juice/SWI (excl. industry)
- 4.8 Mkr Gaia/CU9
- 8.8 Mkr Cheops/Data Flow Simulator
- 1.1 Mkr BepiColombo/Mefisto (prolongation)
- 1.6 Mkr Solar Orbiter/RPW
- 0.7 Mkr Herschel ICC
- 12.6 Mkr Prolongation of positions
- 82.0 Mkr Grants based on open calls (SRAC+FAK)

The number of grants associated with new decisions of Swedish payload contributions was unusual in 2013.



Restricted Calls in 2014

Solicited applications for special reasons (restricted address list)

- 2013-IS Three groups competing for first Innovative Satellite Project
- 2014-N Swedish PLATO Team
- 2014-S Seven running projects with SNSB commitments
- 2014-X Extension of ESA missions Swedish instrument operations
- 2014-P Seven positions open for prolonged support

SNSB decisions are due in June





Open Calls 2014-R and 2014-BR

Two open calls are planned for 2014

- 2014-R General Space Research (incl. Earth Observations)
- 2014-BR Balloon and Rocket projects at Esrange

To be issued: March Deadline: May 14

News

- Maximum size of PDF: 5 MB
- Clarification of rules for salary costs

	MDSTYRELSEN Bish National Space Board		ARCH APP response 2014 -	to call	Form A	Swedish National Space Board
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E-mail:						costs and the anopht direct costs for the 3 categories to
Address in						the right (contact 3h36 if the nodel is not applicable)
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						Project leader (potential contract holder)
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Title of programme						Previous contract (ev. f)
Titel på						
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						Signing the application the proposed work is to complete application is to submit Forms A and B w
						The principal applican research proposal, 2) all proposed project(s), and
Sought f	unding	2015	2016	2017	2018	The head of department
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Grant administ	ation	Subproject #1	Subproject #2	Subproject #3
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between the sought indirect costs and the acought direct costs for the 3 categories to	Travel			
the right (sontaul 3NOB / the model is not applicable)	Material, services			
Project leader (potential contract holder)				
Type of project (new) study, continuation preset, of				
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Innovative Low-cost Science Missions

Potential National Satellite Programme?



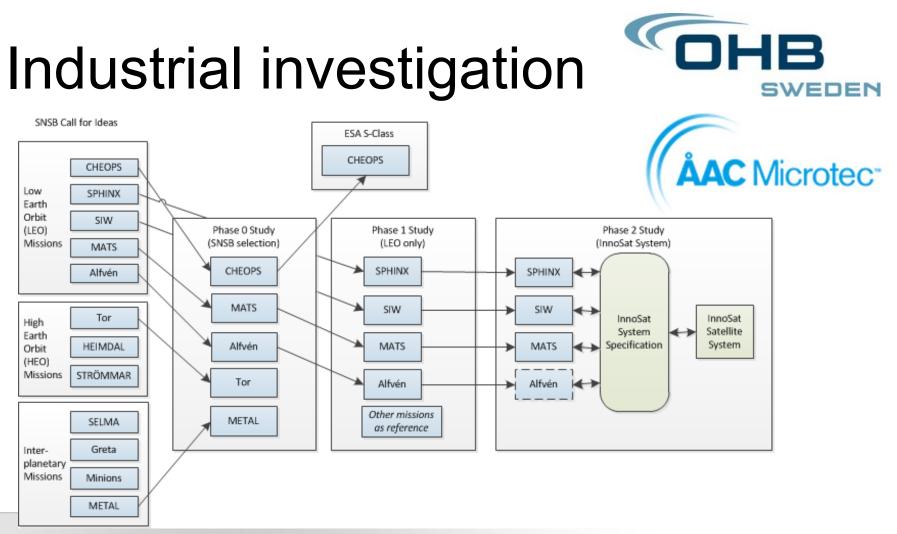
Scope of a potential programme

- Low-cost, top science missions, made feasible by innovative approaches.
- Long-term programme in the order of 5 M€ per mission, excluding payload.
- Swedish participation.

• What is feasible, affordable, and worthwhile?



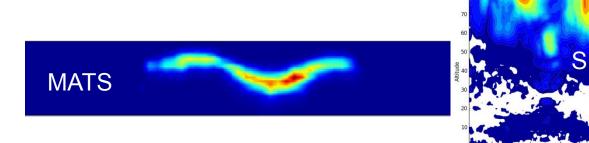
SRS 2014 – Innovative Low-cost Science Missions

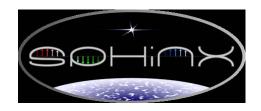




Science mission candidates

- MATS MISU, Chalmers, and KTH
- SIW Chalmers and MISU
- SPHiNX KTH







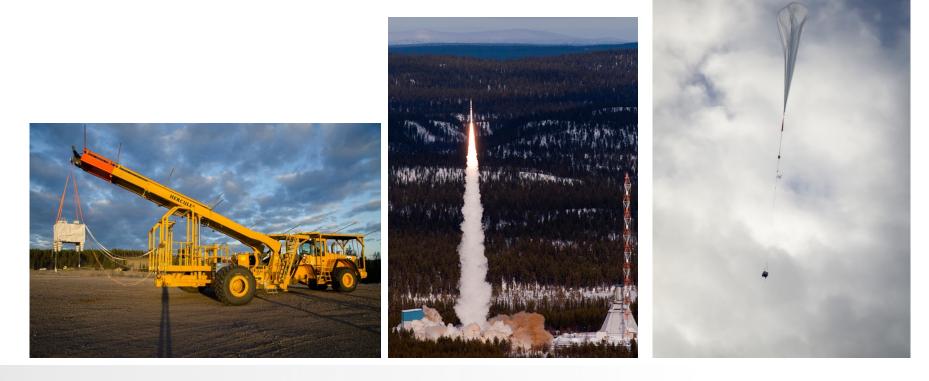
Latitude

Future outlook

- Scientific evaluation ongoing
- Technical evaluation ongoing
- Programmatic evaluation starting April
- Decision on programme and possibly mission: Spring 2014.
- Potential follow-on missions: Subject to new calls!



National Balloon and Rocket Programme - *a brief update*



Kristine Dannenberg SRS meeting, March 11-12 2014



Swedish national balloon and rocket programme

- Established in late 2012 as a dedicated programme with a current annual budget allocation of 20 MSEK (science + industrial costs)
- Objective: offer scientists balloon and rocket flights from Esrange for high quality research
- Calls for proposals issued on regular basis
- Two new rocket projects kicked-off in 2013
- One new rocket project to be kicked-off in 2014
- International cooperation welcome





Swedish national balloon and rocket programme

- Selection of projects after the call for proposals by means of peer-review process and recommendations of Space Research Advisory Committee (SRAC) of SNSB
- Selected projects: highly ranked scientifically
- Scientific payload built by research groups (mainly)
- Industrial work by SSC (and partners)
- SNSB follows the project as "project owner"





National on-going balloon and rocket projects

PoGOLite - astrophysics, PI Mark Pearce (KTH) In-situ IWC - atmospheric science, PI Thomas Kuhn (LTU) SPIDER - space physics, PI Nickolay Ivchenko (KTH) O-States - atmospheric science, PI Jörg Gumbel (SU)

To be kicked-off in 2014 LEWAVES – atmospheric science PIs Gumbel (SU) Ivchenko (KTH) et al in cooperation with German scientists (DLR, Univ. Karlsruhe & Frankfurt)



Call for proposals 2014

- New call for balloon and rocket projects will be issued together with the annual call for research proposals – deadline May 14, 2014
- The call is open for on-going projects and new projects
- Annual budget 20 MSEK/year Already committed/allocated: 2015 – 18,2 MSEK 2016 – 3,6 MSEK





Thank you for your attention!



