



Towards a comprehensive strategy for the Swedish National Space Board

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Some current SNSB science activities

- Contributing to mission operations and analysis, including ODIN.
- PRISMA launch and operations during 2010.
- Phase A study of STEAMR for PREMIER.
- KTH and IRF participation in NASA's MMS mission.
- PoGOLite engineering flight on balloon in August 2010.
- PoGOLite circumpolar science mission in summer 2011 considered.
- PHOCUS sounding rocket mission in July 2011.
- ÅAC technology testing on-board a microsat during 2011, additional payloads to be chosen by ÅAC with no extra SNSB funding.
- Funding for groups developing proposals for Cosmic Vision: 8.1 MSEK.
- New web-based application and review system from this year.



A comprehensive strategic plan

- SNSB needs to update its strategic plans, and consolidate them into one plan
- So far work has been done on assessing the current situation
- During March 2010 we welcome input from all communities in Sweden
- Synthesis during April/May, aiming for a strategy document in June



The strategy shall result in:

- Transparency and understanding of SNSB decisions.
- Scenarios to use in the dialogue between SNSB and the government as well as other authorities.
- A basis for the preparation of the next ESA ministerial conference.



Planned content of the strategy

- Mandate for SNSB and vision
- Current situation in Sweden, Europe and the World
- Possibilities for the Swedish space sector
- Strategic alternatives



Questions to the science community

- What are major changes and challenges in space science within the next 3 – 10 years?
- What priorities should SNSB have in case the funding increases respectively decreases?
- Given limited funding: priorities between "small missions" and "big science missions"? Small missions, should they be within ESA or national/bilateral?
- To what extent is technology testing in orbit needed? Is there a niche for micro/nanosats for this? Flight frequency?
- What science can be performed on micro/nanosats?

More questions

- What is the interest in exploration of the moon, Mars, and asteroids?
- Given the historical Swedish investments in sounding rocket and balloon technology, competence, and infrastructure – what is the interest in:
 - Auroral physics respectively upper-atmosphere physics using rockets?
 - Microgravity missions? Parabolic flights? Sub-orbital flights with human operators/scientists on-board?
 - Balloon missions, including circumpolar flights?
- What can Sweden provide in terms of Space Situational Awareness, and what can SSA provide for Sweden?
- Any proposals for Sweden to join bilateral or multilateral space projects?
- How can the science community and industry increase co-operation?



Position soon to be announced

- SNSB will in the near term open a position as Forskningshandläggare.
- The new member of staff will join the SNSB science team consisting of K Dannenberg, P Magnusson, and L Nordh.
- Lennart Nordh retires in 2012, but will reduce his time from September 2010.