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STandUP *for* ENERGY

2010-2014

2016-2020



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Swedish University of
Agricultural Sciences



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What is a SRA – Strategic Research Area

Faculty funding for a specific research theme

Give stability to university research groups

EU-funding and co-financing

Strategic recruitments





The government used three criteria in prioritising the research environments (SRAs) that would be funded in these strategic research areas:

- research that, in the long term, has the prerequisites to be of the highest international quality
- research that can contribute towards fulfilling major needs and solving important problems in society
- research in areas that have a connection with the Swedish business sector



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Renewable energy (including the grid)
Automotives
Bioenergy

“Focus on Electricity”

From 2013 52 MSEK

Today ~54 MSEK

**Already a signed contract
between the four
universities 2016-2020**



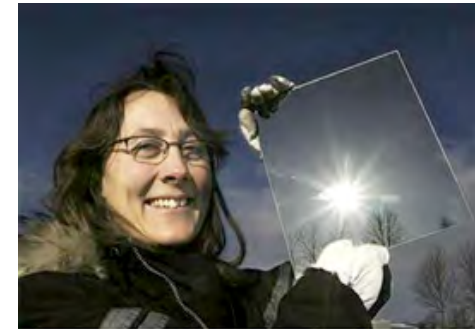
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How funding is distributed

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54 MSEK per year from 2016:

- KTH **48%** (incl. IVL, STRI AB and SICS)
- UU **36%** (incl. HIH)
- SLU **10%** (incl. Skogforsk and JTI)
- LTU **6%**



Thin film solar cells
Prof. Marika Edoff

+ cofunding (2014)

UU:

81 705 384 SEK

Co-funding KTH, LTU, SLU:

117 334 854 SEK

Other external funding
45%)

336 229 587 SEK (Public research funding



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Goal – according to the application

...“primarily for research on renewable production of electricity and its integration into the grid, but with the other components such as studies of HEV-systems still being very significant.”

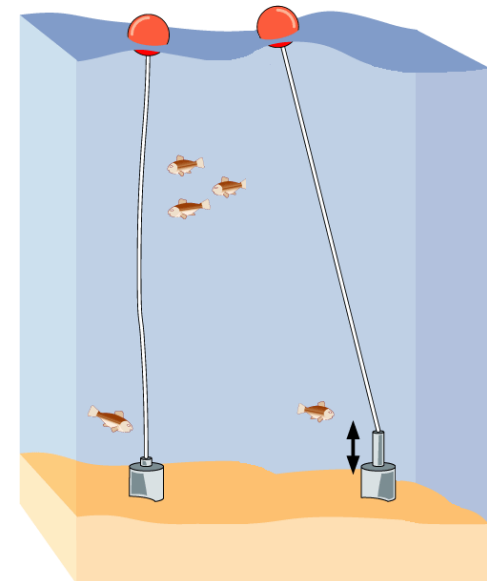
Renewable electricity 32%

Grid integration 20%

Vehicles 20%

Energy Systems 10%

~~Biofuels 18%~~



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The evaluation 2015

- 1) How has the research been planned and steered ('strategic management')?
- 2) What is the quality, results and effects of the research?
- 3) What has been the strategic significance of the initiative for society and for the business sector?
- 4) What is the state of collaboration between universities and with other stakeholders?
- 5) What is the state of the link between the strategic research and education?





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”The overall result”

Performance: Excellent

Strategy: Good

Added value: Good

“While there appear to be issues of potential fragmentation, both among organisations and across fields, the SRA appears to have made good use of the opportunities provided by the money and to have clear ideas about how to continue.”





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Expert Evaluation

Research Excellence

The overall grading of research output for EnergiUu in an international perspective is on the frontline.

Utilization and Benefits

The overall grading of utilization and benefit for EnergiUu in an international perspective has developed satisfactorily.

Collaboration

The overall grading of collaboration for EnergiUu in an international perspective is effective in several dimensions.

Integration with education

The overall grading of integration with education for EnergiUu in an international perspective is under satisfactory development.



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Management

The overall grading of management for EnergiUu in an international perspective is between not convincing so far and on target with high standard.

The question is whether SRA is regarded seed money to the Swedish branch of KIC and other strategic initiatives or whether StandUp is a strategic environment in its own right around which other initiatives are evolving, nurtured and developed. The KTH and UU involvement in KIC has developed gradually over the years with demonstrated results in terms of new educational initiatives, networks, etc. But this can only be regarded a fragment of the environment, with only two (though dominating) of the four partners participating.



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The research bill 2016-2020

The SRA (Strategic Research Area) will continue until 2020

A new evaluation will be made 2020

Now focus is on:

Gender

Education and its link to research

Outreach (samverkan)

Carrier paths for young scientists





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More from the research bill

Challenges:

Climate

Digitalisation

Health and life science



Ten-year research programs:

Climat, Sustainable Buildings, Migration and Integration,
Antibiotic Resistance, Applied Welfare Science,
Arbetslivsforskning,



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New KICK-OFF this spring!



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Forskning	1342
Innovation	446
Utbildning	434
Universitet	335
Samverkan	232
Infrastruktur	140
Jämställdhet	100
Institut	85
Vetenskapsrådet	82
Teknik	49
Digitalisering	45
ESS	25
Fordon	22
MAXIV	18
Samhällsvetenskap	17
Medicin	15
Strategiska forskningsområden	15
Testbädd	12
Humaniora	10
Industrialisering	6
Naturvetenskap	4