Securing Sustainable Supply of Metals and Minerals
Open Call 2022
Part 1.
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Swedish Mining Innovation Programme

The goal is to strengthen Swedish competitiveness and sustainability of the mining and metal extraction sector through research, innovation and education.

The program is open to all who contribute to its goals and vision.

Financing: 50% public / 50% private

Host organization: Luleå University of Technology

- Started 2013
- Total budget so far: 775 Mkr
- 242 partners in projects
- 265 Projects
- R&I and Strategic Projects
- Annual idea competition for SMEs
- Swedish Mining Innovation Award
- Communication, consultation, collaboration
- Doctoral student network
- Internationalization – 18 international partners in projects
Securing Sustainable Supply of Metals and Minerals

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Key Information

Call Close:  November 10, 2022 at 14:00
Decision:  February 21, 2023
Project start:  1 March 2023 – 31 March 2023
Available funding:  24 MSEK

Link to Vinnova application portal:

Link to Swedish Mining Innovation’s information:  https://www.swedishmininginnovation.se/calls/
Thematic areas

• Exploration & Resource characterisation
• Mining
• Mineral processing
• Recycling and metallurgy
• Reclamation and environmental performance
• Attractive workplaces
• Gender equality and diversity
• Mining and Society
Topics

All topics in Strategic Roadmap are suitable for the call

Focus areas for this call:

• Mine waste management, mine closure and remediation to improve sustainability and reduce environmental impact.

• Characterization and processing chains from ores and wastes that both reduce the environment impact of the wastes produced and recover new bi-products hitherto unrecovered.

www.swedishmininginnovation.se/roadmap/
**Open Call Project TRL Levels**

<table>
<thead>
<tr>
<th>Idea</th>
<th>Laboratory</th>
<th>Pilot</th>
<th>Demonstration</th>
<th>Commercialised</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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<td>8</td>
<td>9</td>
<td>TRL</td>
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**Pre-study**
- Up to 650 000 SEK funding, 25% cofinancing
- Minimum 2 partners
- Maximum 8 months

**Full-scale innovation projects**
- Up to 10 MSEK funding, 50% cofinancing
- 2 companies* + 1 research
- Maximum 3 years

**Pilot & demo projects**
- *2 companies or other non-research actors such as NGOs, Public sector etc.

Foreign organizations are welcome and count towards partner requirements but cannot receive funding. They may contribute inkind or cash to the co-financing requirement. Explain the value to Sweden.
Prestudies

Pre-studies aim to supporting the decision-making process by objectively and scientifically evaluating a potential innovation’s strengths and weaknesses, opportunities and risks and to identify the resources required to develop the innovation further. The pre-study should conclude whether or not the development of the innovation should continue.

Maximum funding: 650 000 kr
Maximum funding level: 75%
Maximum duration: 8 months
Partner Requirement: minimum 2 organizations
Special requirement: Letter of commitment from partners that are companies
TRL: 3 – 7
Full-scale Innovation projects

The projects aim to develop and implement ideas that contribute to the realization of Swedish Mining Innovation’s overall objectives. The focus of the project is to increase the TRL by acquiring new knowledge and skills to develop new or greatly improved product, process or service. This can include, for example, the construction of prototypes in a laboratory environment or in an environment with simulated interfaces to existing systems and to pilot operations, or development of components in complex systems that require validation.

Maximum funding: 10 000 000 kr
Maximum funding level: 50%
Maximum duration: 3 years
Partner Requirement: 1 research actor + 2 companies or other non-research actors
Special requirement: letter of commitment from companies
TRL: 3 – 7
Pilot & Demo projects

Pilot & Demo projects can include prototype design, demonstration, pilot work, testing and validation of new or improved products, processes or services in environments such as corresponds to realistic operating conditions, where the primary purpose is to make additional technical improvements to products, processes or services that are not yet fixed. This may include development of a commercially usable prototype or a pilot project that is necessarily the final commercial product and which is too expensive to produce to be used only for demonstration and evaluation.

Maximum funding: 10 000 000 kr
Maximum funding level: 50%
Maximum duration: 3 years
Partner Requirement: 1 research actor + 2 companies or other non-research actor
Special requirement: letter of commitment from companies
TRL: 5 - 7
Evaluation Process

1. Vinnova checks that the **prerequisites are met** *(letter of commitment, other formalia)*

2. Proposals are evaluated by **an international panel of independent experts**
   - full-scale innovation and Pilot and Demo project leaders may be interviewed via web-meeting
   - applications that meet the quality criteria for funding are ranked

3. Vinnova in consultation with SMI’s board makes final decision as to which projects will be funded based on ranking, SMI’s project portfolio with attention to the focus areas, and overall call budget.

**Ranking Categories:**
- Prestudies
- Full-scale innovation, Pilot & Demo
Evaluation criteria: Potential, implementation and stakeholders

Potential

Subcriteria are support and not assessed individually:

- The project’s relevance for the National Strategic R&I roadmap, scientific quality and contribution to Sweden’s innovation capacity
- How well the project contributes to sustainable development
- The project’s commercialization or implementation potential including global impact
- The project’s contribution to a gender equal societal development
Evaluation criteria

Implementation

- The quality of the project’s organizational structure, methods, work plan, resource allocation, deliverables and budget
- How well gender equality aspects have been integrated in the project plan
- Quality of the communication plan
Evaluation criteria

Stakeholders

• The expertise and relevant experience of the individual project members
• The expertise within the consortium as a whole, coverage of relevant value chain and partners’ innovative strength to implement the results or continue to the next stage of development.
• How well the team (key persons) is composed regarding gender distribution, as well as the distribution of power and influence between women and men
• Relevance of international partners (if any)
• Other stakeholders engaged in the project
Recommendations

• Read the call text & supporting documents carefully to determine the fit in SMI’s aims – Strategic Innovation Roadmap

• Get your partners & letters of commitment early

• Register the project application early in Vinnova’s portal & look through fields to fill in (including budget!)

• Write the project description in English

• Ensure prerequisites and mandatory attachments are complete

• Use our web-based gender education platform (link at https://www.swedishmininginnovation.se/calls/)

• Don’t hesitate to contact SMI or Vinnova with questions
More information

Videos, webinars, roadmaps, information, gender education platform and news  
www.swedishmininginnovation.se

Person to contact concerning the call's focus, content and desired effects:  
Lawrence Hooey, Technology and Innovation Manager, Swedish Mining Innovation  
Tel: 0920-49 36 65  
E-mail: Lawrence.hooey@swedishmininginnovation.se

Person to contact concerning the assessment process, administrative, legal and other  
questions about the call’s contents:  
Pontus Westrin, Programme Manager, Vinnova  
Tel: 08-473 32 51  
E-Mail: pontus.westrin@vinnova.se

Contact for questions about the online application service:  
Vinnovas IT-support  
Tel: 08-473 32 99  
helpdesk@vinnova.se
Other Calls in Swedish Mining Innovation

Planning grant:
Support to prepare applications for international funding e.g. Horizon Europe, open all year
Funding maximum: 300 kSEK
Funding level maximum: 70%

Internationalization grant (closes October 21st!):
Support to develop international collaboration.
Funding maximum: 300 kSEK
Funding level maximum: 75%
Minimum 2 Swedish organizations, of which at least 1 is a non-research actor.

https://www.swedishmininginnovation.se/calls/
Other call of interest

Advanced and innovative digitalization 2022:

Closing dates: 28th June & 20th October 2022

call’s defined technical focus areas: autonomous mine, autonomous airport or circular industry. Funding available for the call: 70 million kronor.

Funding for innovation projects:
2 – 10 million kronor/project
maximum funding level of 50 percent.
Project duration of 12 -36 months

Other calls of interest

SIP PiiA: Data analysis in process industrial value chains, fall 2022

Call opens: 14 June, 2022
Call closes: 23 November, 2022
https://sip-piia.se/

Metalliska Material
Multiple calls
https://www.metalliskamaterial.se/sv/start/
Mining innovation for a sustainable future