Smartare Elektroniksystem

ELECTRONIC COMPONENTS & SYSTEMS

Smarter Electronic Systems

-a strategic innovation programme to strengthen competitiveness of Swedish electronics sector

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Med stöd från
VINNOVA Sveriges innovationsmyndighet
Energimyndigheten
FORMAS
Strategiska innovations-program

Agenda

8.30 Välkomna

8.32 Smartare elektroniksystem utlysning FoI-projekt 2022

8.45 Frågor och ev projektpresentationer

9.25 Slut

Smarter Electronic Systems – a Swedish partnership program

- Cooperation Industry - Public sector - Academia

Vison

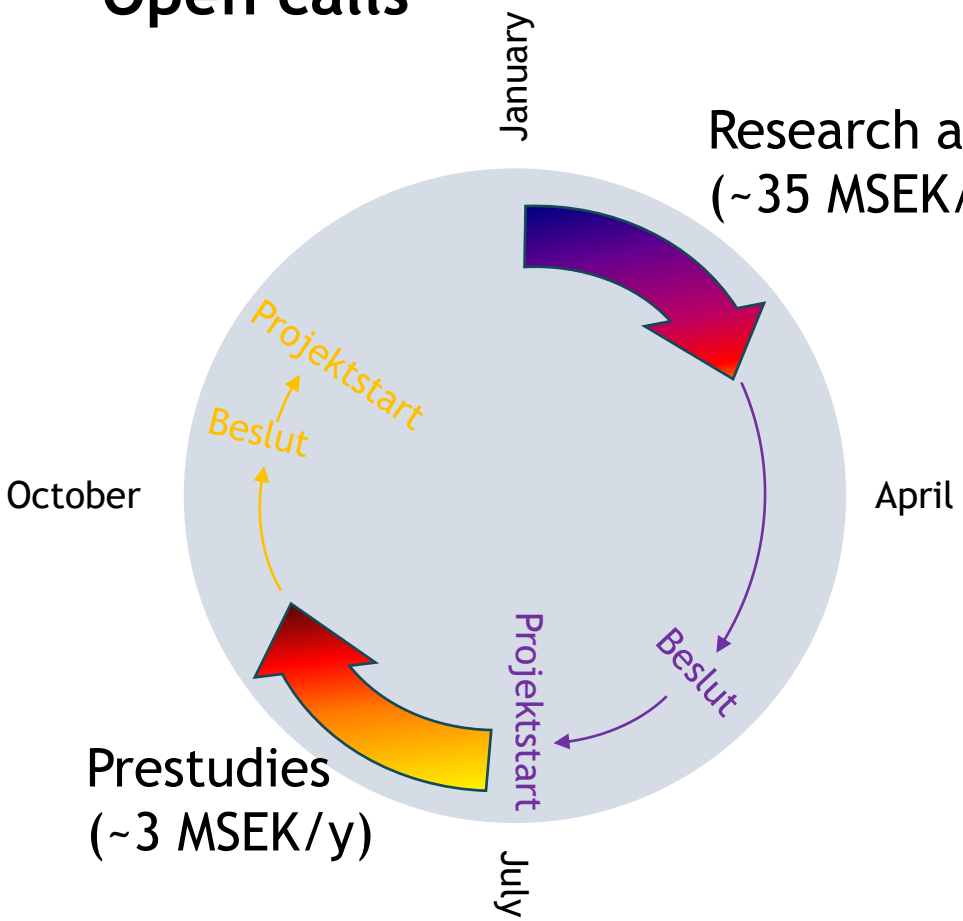
”by 2025 Swedish electronic systems enable a world-class Swedish industry ”.

3 challenges

- Increased cooperation and efficiency in the value chains
- **Further developed Swedish excellence**
- Secure the provision of skills

Public funding for development projects

Open calls



Next opportunity

- Research and Innovation projects
- Open 17th January
- Deadline for proposal 15th Mars

Feasibility studies

- Open June 2022
- Deadline September 2022

Projects in open calls should contribute to achive:

- Sustainable and profitable growth in Sweden and Swedish industry
- Strengthen industrial international competitiveness
- Swedish electronics systems contribute to transition towards a sustainable society – Contribution to SDG

- Increase at least one step in TRL scale
- Start at max TRL 6
- End at min TRL 5
- Market introduction within 3 years after project

Scope for R&I projects

- Area
  - Embedded intelligent systems
    - Industrial needs
    - Manufacturability
    - Reliability
    - Energy efficiency

Requirements

- Industrial needs
- Consortium representing a continuous value chain

Intelligens i inbyggda system avser system som aktivt reagerar på händelser och levererar slutsatser i form av beslutsstöd eller att systemet självt agerar. I den mest avancerade formen av intelligens är systemet självlärande och förändrar sina slutsatser över tid baserat på tidigare erfarenheter (AI).

Intelligence in embedded systems refers to systems that actively react to events and deliver conclusions in the form of decision support or that the system itself acts. In the most advanced form of intelligence, the system is self-learning and changes its conclusions over time based on past experience (AI).

Evaluation criteria's – R&I projects

- **Potential**
  - Sustainable growth, competitiveness, sustainable solutions
  - Innovation and renewal
  - Results on the market 3 years after project end
  - TRL status and progress
  - Competition
- Partners
  - Ability and credibility of the team of applicants
  - Ability of designated constellation of partners to reach market introduction
  - Balance – Budget, activities, partners
  - Gender distribution – resources, power and influence
- Viability
  - Realistic plan
  - Collaboration during project and exploitation after
  - Risk management
  - Preparation for next step

Who can apply?

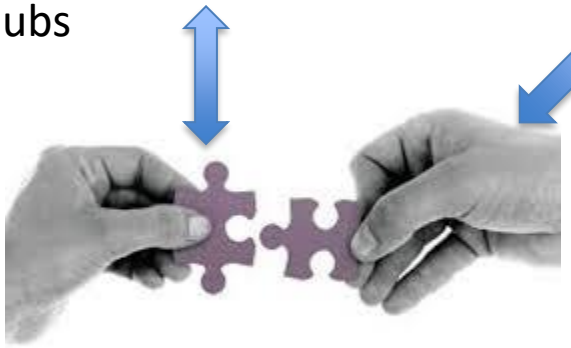
- R&I-projects =

- Feasibility studies – open to single applicants
- Minimum 1

Application and Evaluation process

SES competence hubs

SES program office



VINNOVA

Thank you

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