

Funding options for industry- academia collaboration

Dr. Eva Pongrácz
University of Oulu

Academy of Finland

- Research programmes opening
- Themes
 1. ICT 2023 PROGRAMME - www.aka.fi/ict2023
 2. ARCTIC PROGRAMME - www.aka.fi/arktis
 3. ENERGY PROGRAMME – www.energyresearchers.fi



Academy of Finland

Targeted calls

- Targeted calls 19.11-18.12.2013
- 2 stage application, letters of intent (aiehaku) by 18.12.2013
- Call text in English:
http://www.aka.fi/Tiedostot/Hakuilmoitukset/Ylimaarainen_hakuilmoitus_2013_031013_en.pdf
- Call text in Finnish:
http://www.aka.fi/Tiedostot/Hakuilmoitukset/Ylimaarainen_hakuilmoitus_2013_091013.pdf
- Themes
 - 1. INFORMATION SECURITY**
 - 2. SUSTAINABLE ECONOMY AND INFRASTRUCTURE IN ARCTIC CONDITIONS**
 - 3. PRIMARY MINERAL RESOURCES**



Targeted call within **ICT 2023 PROGRAMME**

- The aim of the ICT 2023 programme is improve Finland's scientific expertise in computer science and digital content development
- The programme will bring together universities, research institutes, business companies and funding bodies.
- Besides scientific quality, the review of applications will pay special attention to
 - international cooperation
 - business collaboration
 - cross-sectoral mobility by leading-edge researchers
- ICT 2023 programme website and memorandum:
www.aka.fi/ict2023

The theme of 1st thematic call: **Information security**

- The Academy of Finland and Tekes open parallel calls at the same time
- The projects are 2 years long, and applications for the second round are invited based on the letter of intent and potential interviews
- Interviews to be conducted during weeks 6 or 7
- Decision on who to call for the main call are made in March 2014, deadline for the main call is 2.4.2014
- Funding starts 1.6.2014
- For this first call of the ICT 2023 Programme, 5 M€ are reserved
- The next call will open around the time the first projects are ending

Targeted call within the **ARCTIC RESEARCH PROGRAMME**

- The funding is targeted at **boosting knowledge-based growth**
- The Academy will allocate funding to research on sustainable economic growth and infrastructure in Arctic conditions
- The Academy is making preparations to launch an Arctic research programme in 2014
 - The research projects that are funded within this targeted call will be incorporated into the Arctic research programme
- The need for Arctic research has been recorded in Finland's Arctic strategy
 - http://valtioneuvosto.fi/tiedostot/julkinen/arktinen_strategia/Suomen_arktinen_strategia_fi.pdf

Themes for sustainable economy and infrastructure in Arctic conditions

- Possible research themes include
 - Sustainable use and refining of Arctic natural resources
 - Logistical systems
 - Environmentally sustainable and low-emission production systems developed for the Arctic
 - Traditional livelihoods
 - Tourism industry in Arctic regions
 - Cross-border Arctic policy
- When making funding decisions, special attention will be paid to how the research impacts knowledge-based growth
- The Academy will allocate a total of EUR 8 million for the calls *Sustainable economy and infrastructure in Arctic conditions* and *Primary mineral resources*
- The funding period starts on 1 September 2014. The funding is normally for four years
- The call has two stages. Letters of intent **18.12. 2013**, full applications by **27.3.2014**
- **More info:** www.aka.fi/arktis



ENERGY PROGRAMME

- Still under preparation
- In 2011, the Board of the Academy of Finland named sustainable energy as one of the grand challenges facing society and humankind
- December 2012: Futures Clinique on Energy Futures 2030 described a society built on
 - Decentralised and diversified energy production
 - Local production and consumption
 - Local and responsible lifestyles
 - Bottom-up power relations as well as across-the-board
 - Systemic sustainability
- A working group is appointed to plan and prepare a research programme
- To support the preparation a dedicated website was launched:
www.energyresearchers.fi

Is it possible to match long-term strategic research and business?

- **SMARCTIC - Roadmap to a smart Arctic specialization**
 - Tekes strategic project
 - Coordinator: Centre for Environment and Energy
 - Participants: UOulu, VTT, OAMK
- The objective is to formulate a future vision and a roadmap toward the further development of Finnish Arctic expertise
 - Outlines main research questions
 - Evaluate the capacity for industrial renewal
 - Assess new business potential
- Research in four main subjects feeding to the roadmap and scenario process
 - Further collaboration, new projects
 - Prepare for large strategic openings



WPI: The Arctic context

- Expertise and networks, politics and Arctic focus areas, drivers of change

WP2: Environmental informatics and mobile technology

- Individual, interactive services, green ICT

WP3: Smart logistics, infra and living environment

- Smart areas, systems, networks and integration

WP4: Natural resources management and economics

- Material and energy flows, ecosystem services, low carbon economy

WP 5: People in the North

- Well-being, safety, adaptation to change and conflict management

WP 6: Roadmap to an Arctic expertise

- Emerging technologies
 - System change
 - Enabling technologies

WP 7 Strategic opening and business potential

- New production and service concepts
 - Business potential and scenarios
 - Business models and ecosystems
- Policy control and operational environment

