

UNIVERSITETET I BERGEN

Innovasjonsmuligheter i Horisont Europa - Resultater

IU-møtet 08.03.23

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DINE**

A first at UiB

- 2x ERC Proof-of-Concept
 - Noel Keenlyside, GFI, MN
 - “The development of new virtual interacting modelling (VIM) technology to produce a supermodel may lead to a major breakthrough in climate prediction.”
 - Harald Sodemann, GFI, MN
 - “The prototyping of a new tool that allows to assess the global water cycle will improve the prediction of hydrological extremes in the future.”



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A first at UiB

- EIC Pathfinder
 - Emmet McCormack and Pascal Gelebart, MED
 - “Real-time imaging of fluorescence lifetime, deep into the patient, allows to understand the patient’s body and its diseases at a level previously not possible.”



ERC Proof-of-Concept (Pillar 1)

- For ERC grant holders who aim to **explore the commercial and/or societal innovation potential** derived from their ERC main project
- **Extends fundamental research to create value to society**
- Connects with the EIC: ERC PoC grant holders can apply for EIC Transition grants



Begge de to forskerne jobber ved Bjerknessenteret for klimaforskning. Njord Svendsen



Global Challenges & European Industrial Competitiveness (Pillar 2)

- Contains **55% of total Horizon Europe funding**
- Funding distributed mainly through **RIAs (TRL1-6) and IAs (TRL4-8)**
- **Innovation perspectives essential** for funding success
- All projects need to present **impact** pathways and **exploitation** plans
- Protection of IPR and **innovation management** (including IPR management) important in RIA and IA projects
- UiB with **relatively high success rate** (~25-30%)



EIC Pathfinder (Pillar 3)

- Funds research to **develop the scientific basis to underpin breakthrough technologies**
- Needs an **ambitious** idea that may **disrupt** a field or a market
- High-risk/high-gain (similar to ERC)
- **High innovation potential** -> project outcomes must include top-level scientific publications as well as the formal protection of the generated Intellectual Property (IP), where adequate
- More than funding: opportunity to leverage the “**super-charged**” **EIC machinery** to bring results to society

Resultater

- ERC-PoC: 3 innsendt. 2 tildelt.
- EIC Pathfinder: 9 innsendt. 1 tildelt. EIC Transition: 0 innsendt.
- EIE Scaleup: 1 innsendt. 0 tildelt.
- Søyle 2 «Globale utfordringer og konkurransedyktig næringsliv»:
 - 49 RIA innsendt. 13 RIA tildelt. 3 IA innsendt. 0 IA tildelt.

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Some reflections

- Emmet, Harald and Noel: All 3 are examples of **excellent fundamental researchers** that manage to see the value of their research in a larger **societal context**
- **Mobilization**: informed about new innovation funding opportunities
- Excellent **application support** from research advisors at department and faculty level

Some reflections

- Targeted application support from innovation advisors at UiB, with **focus on innovation, impact and exploitation** related sections

Re: ERC Proof of Concept Grant - R



Noel Sebastian Keenlyside

To ● Mahaut de Vareilles; ● Yves Aubert

Cc ● Dag Hellesund

Yes, thank you [REDACTED]. Your input to my proposal was crucial. Noel

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Some reflections

- The largest potential may however lay in pillar 2 projects
- Pillar 2 takes up the majority of HEU funding; pairing excellent research with strong innovation competencies can unlock a significant external funding flow to UiB
- Put focus on:
 - strategic networking & consortium-building
 - acquiring innovation and knowledge transfer competencies

→ *Kunnskap som former samfunnet*

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Oppsummering

- Saken legges fram til orientering i IU, og IU inviteres til å diskutere blant annet:
 - Fakultetenes ambisjon for innovasjonsaktiviteter i Horisont Europa
 - Tiltak og virkemidler som kan mobilisere fagmiljøene til å søke om innovasjonsaktiviteter i Horisont Europa



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