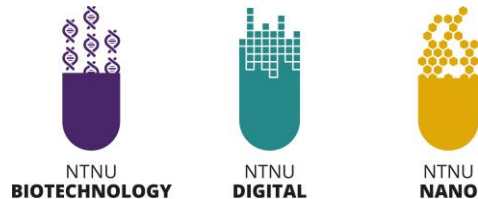




Norwegian University of
Science and Technology



NTNU ENABLING TECHNOLOGIES

NTNU DIGITAL

ENABLING TECHNOLOGY



NGINO meeting

PERSEUS project

Dr.Vilija Balionyte-Merle | 18-03-2021

MSCA COFUND Programme overview

- COFUND provides organisations with additional financial support for their own researcher training and career development programmes
- COFUND supports **doctoral programmes** for PhD candidates, as well as **fellowship programmes** for experienced researchers
- The granted project implemented by **one beneficiary**
- Collaboration with a set of partner organisations, including the non-academic sector, for hosting or secondment options, or training in research or transferable skills
- The coordinator receives **a fixed amount for each supported researcher**, as a contribution to their living allowance and for the programme's management costs
 - PhD Programme - **1935 €/month** for ESR + **325 €/month** for management
 - Fellowship Programme - **2740 €/month** for ESR + **325 €/month** for management
- A maximum total EU contribution - **10 million EUR**
- Selected programmes will receive co-funding **for up to five years**

PERSEUS overview

- PERSEUS Doctoral Programme (DP) planned duration **60 months** (5 years)
- Evaluated **96/100**, planned start date – **1 June 2021**
- **Budget 14.6 m€**, 3.2 m€ from the EC, 2.1 m€ incentives
- PERSEUS will recruit **40 PhD candidates** for 36 months within thematic areas:
 - Big data and AI (**10**)
 - Digital Twins (**8**)
 - Internet of Things (**7**)
 - Extended Reality (**7**)
 - Information and Cyber Security (**8**)
- The recruitment will be implemented via 2 open calls for applicants applying fair and transparent procedure (with independent observers involved)
 - Call 1 will be launched at M3 (**08/2021**) - vacancies for **25 PhD candidates**
 - Call 2 will be launched at M15 (**08/2022**) - vacancies for **15 PhD candidates**
- PhD candidates recruited following the mobility rule – eligible for applicants from all nationalities who during the last 3 years spent **not more than 12 months in Norway**
- International mobility (**2-3 months**) + national mobility (**1-2 months**)



PERSEUS Thematic Areas

Big Data and AI
Dr T.Holter

Digital Twins
Prof. F.Lindseth

Internet of Things
Prof. P.Salvo Rossi

Extended Reality
Prof. A.Perkis

Information and
Cyber Security
Prof. S.Katsikas

Transferable Skills

Project Development
and Management

Communicating
Science

Research Ethics

Innovation and
Entrepreneurial thinking

Basic University
Didactics

Interdisciplinary Skills

Energy
Assoc. Prof.
J. Rajasekharan



Healthcare
Prof.A.Serrano



Manufacturing
Assoc.Prof.A.Lobov



Mobility
Prof. T. Tørset



Ocean-Based
Technologies
Prof.S.Carson



Available Resources

Norwegian Open AI
lab

Unmanned Aerial
Vehicles Lab (UAV-Lab)

Internet of Things lab
(IoT@NTNU)

Intelligent Transpor-
tation Systems Lab (ITS)

Center for Cyber and
Information Security
(CCIS)

Autonomous perception
(NAP lab)

Strategic Initiatives

Policy initiatives: Digital21 (NO), AI Strategy (NO), European Strategy for Data (EU), Advancing the IoT in Europe (EU) and more

Networks: CESAER, EFFRA, ERCIM, ARTEMIS, NEM, EIP-SCC and more

R&I Projects: H2020 and Research Council of Norway (SFF and SFI)

Innovation Potential

DIHs and
Incubators

NTNU
TTO

Innovation Norway
and Digital Norway

Industry collaborations

International networking



Intersectoral dimension



PERSEUS partnership



- Coordinated by the IE Faculty administration at NTNU
- Engages **13 departments and units from several faculties at NTNU**

Industry partners

TELENOR ASA
Olavs hospital
DNV GL AS
Trønder Energi AS
VITAL THINGS AS
Sykehuset Innlandet HF
EQUINOR
STATNETT SF

International academic partners

Technische Universität Berlin (Germany)
Institut Mines-Télécom (France)
Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência (Portugal)
Chalmers Tekniska Högskola AB (Sweden)
Danmarks Tekniske Universitet (Danmark)
Alma Mater Studiorum – Università Di Bologna (Italy)
Politecnico di Milano (Italy)
Tallinn University of Technology (Estonia)
EURECOM (France)
Tampeeren Korkeakolululu-Saatio SR (Finland)
Aalto Korkeakolululusaatio SR (Finland)



PERSEUS

Questions?

