

The background of the slide features a microscopic view of several cells. The cells are rendered in shades of blue and green, with some showing internal structures like nuclei and cytoplasm. The lighting is soft and focused, creating a sense of depth and highlighting the intricate details of the cellular structures. The overall aesthetic is scientific and professional.

Academic Career Opportunities in Finland

Mika Tirronen, PhD
Counsellor of Education and Science
Embassy of Finland, New Delhi



Population

5.5 million

Size

**338,440
km²**

Languages

88% speak
Finnish

5.2% speak
Swedish

0.04% speak
Sámi

ARCTIC CIRCLE

Education

87% hold at least an upper
secondary education degree

42% hold a higher
education degree

Life expectancy

MEN

78 years

WOMEN

84 years



GDP
EUR 234
billion 42,500 €
per person

R&D SPENDING
EUR 6.4 billion

25% Higher
education

9% Public
sector

66% Business
sector



Capital Region 1,400,000
Helsinki 640,000 • Espoo 279,000
Vantaa 223,000 • Kauniainen 9,600

14 Universities
+
25 Universities of
applied sciences

+
12 Research
Institutes

=
1,750 Doctoral degrees
/ year

14,900 Master's degrees
/ year

2nd Best Universities
in the world Universitas 21

FINLAND IS A GLOBAL LEADER IN INNOVATION TALENT

#1

**MOST INNOVATIVE
COUNTRIES****

#1

**IN AVAILABILITY OF
SCIENTISTS AND ENGINEERS***

#1

**IN AVAILABILITY
OF LATEST TECHNOLOGIES***

#2

**HIGHER EDUCATION
AND TRAINING***

**Professionals
Working
in R&D
per 1 Million**

7,482

FINLAND

3,979

U.S.

FINLAND RANKS BEST IN

THE HAPPIEST
COUNTRY
IN THE WORLD

THE WORLD'S
MOST INNOVATIVE
COUNTRY

THE FIRST IN SKILL
DEVELOPMENT
AT WORK

BALANCING
WORK WITH
LIFE

TECHNOLOGY
SUPERPOWER

THE GREENEST
COUNTRY
IN THE WORLD

VOTED FOR THE
BEST COUNTRY FOR
EXPAT FAMILIES

THE MOST EMPLOYEE
FRIENDLY
WORKING HOURS

THE WORLD'S
SAFEST
COUNTRY

FAMILY-
FRIENDLY

GENDER
EQUALITY

FREE
EDUCATION

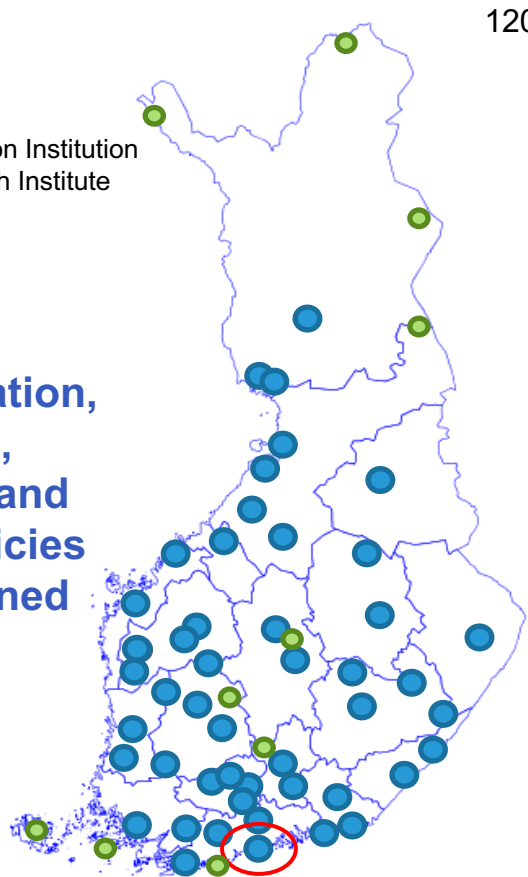
- Innovation Leaders
- Strong Innovators
- Moderate Innovators
- Modest Innovators



Source: European Innovation Score board 2017

Higher education,
research,
innovation and
regional policies
are intertwined

- Higher Education Institution and/or Research Institute
- Field Station



HELSINKI YLIOPISTO HELSINKI UNIVERSITY OF FINLAND
 Vaasan yliopisto UNIVERSITY OF VAASA
 UNIVERSITY OF OULU
 Åbo Akademi University
 UNIVERSITY OF THE ARTS HELSINKI
 LUT Lappeenranta University of Technology
 LAPIN YLIOPISTO UNIVERSITY OF LAPLAND
 TAMPEREEN YLIOPISTO TAMPEREEN AMMATTIKORKEAKOULU
 UNIVERSITY OF EASTERN FINLAND
 JYVÄSKYLÄN YLIOPISTO UNIVERSITY OF JYVÄSKYLÄ
 Turun yliopisto University of Turku
 Aalto University
 HANKEN

ARCADA
 KAJAANIN AMMATTIKORKEAKOULU UNIVERSITY OF APPLIED SCIENCES
 Diak
 NOVIA UNIVERSITY OF APPLIED SCIENCES
 HAMK HÄMEEN AMMATTIKORKEAKOULU UNIVERSITY OF APPLIED SCIENCES
 Centria UNIVERSITY OF APPLIED SCIENCES

XAMK South-Eastern Finland University of Applied Sciences
 jamk.fi JAMK University of Applied Sciences
 Haaga-Helia University of Applied Sciences Ltd.
 LAPIN AMK Lapland University of Applied Sciences
 TURKU AMK TURKU UNIVERSITY OF APPLIED SCIENCES
 VAMK VAASAN AMMATTIKORKEAKOULU UNIVERSITY OF APPLIED SCIENCES
 OAMK OULU UNIVERSITY OF APPLIED SCIENCES

HUMAK UNIVERSITY OF APPLIED SCIENCES
 KARELIA UNIVERSITY OF APPLIED SCIENCES
 LAMK Lahden ammattikorkeakoulu Lahti University of Applied Sciences
 samk Satakunnan ammattikorkeakoulu Satakunta University of Applied Sciences
 SeAMK SEINÄJOKI AMMATTIKORKEAKOULU SEINÄJOKI UNIVERSITY OF APPLIED SCIENCES

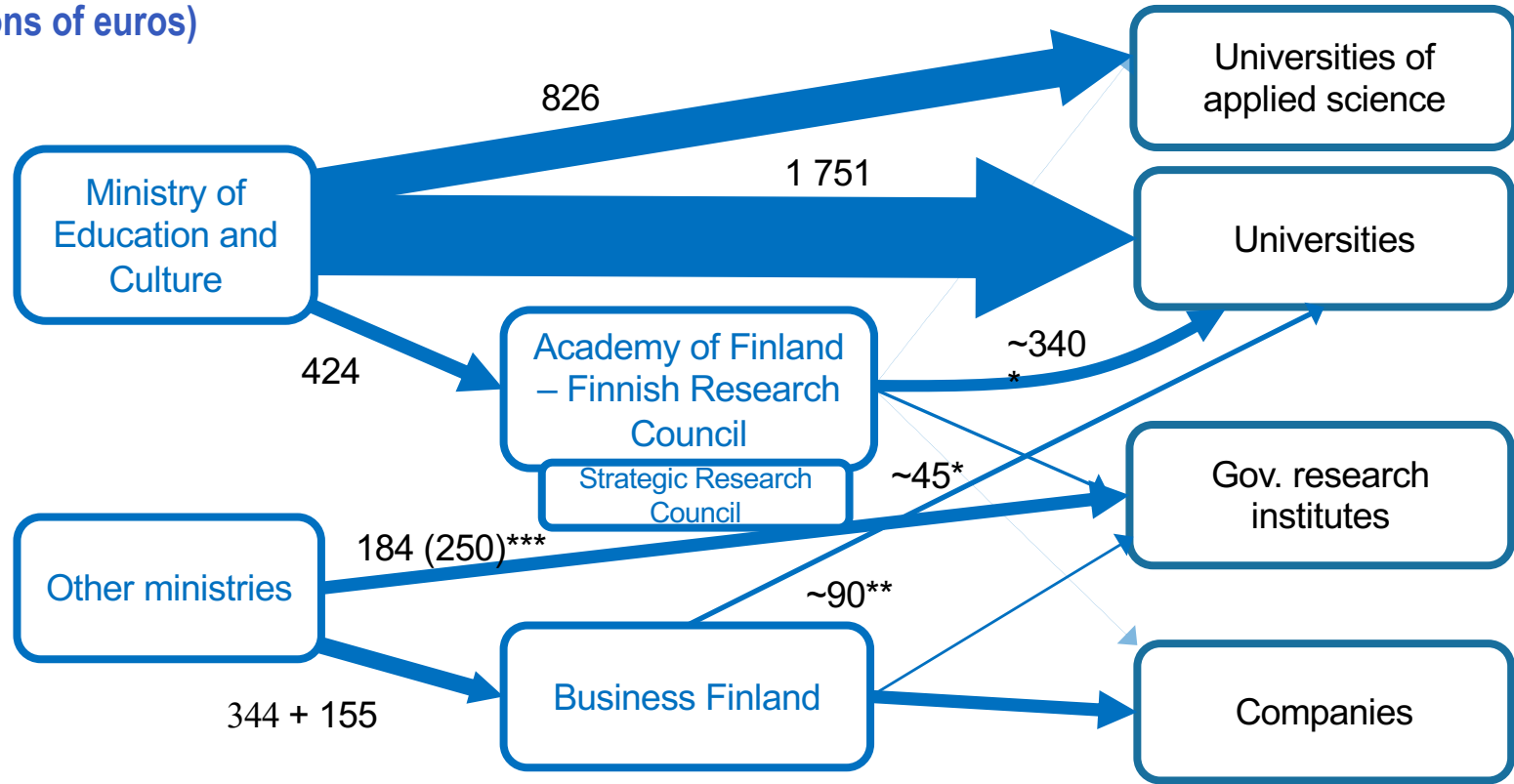
Metropolia
 Saimaa University of Applied Sciences
 LAUREA AMMATTIKORKEAKOULU Yhdessä enemmän /
 SAVONIA UNIVERSITY OF APPLIED SCIENCES

RUOKAVIRASTO Liusmedelsverket • Finnish Food Authority
 GTK
 ILMATIETEEN LAITOS METEOROLOGISKA INSTITUTET FINNISH METEOROLOGICAL INSTITUTE

stuk
 S Y K E
 Terveystieteiden tutkimuskeskus THE FINNISH INSTITUTE OF INTEGRAL AFFAIRS
 MML MAANMITTAUSLAITOS

Terveystieteiden tutkimuskeskus
 Työterveyslaitos
 VTT
 LUKE LUONNONSUOJELUKESKUS

Public funding for higher education and research 2019 (Millions of euros)



In addition, private foundations (~ €200m) and EU funding (~ €150m) are important sources.

*: data from 2018; **: data from 2017. ***: direct funding for research in the basic government funding of the institutes.

The Academy of Finland – Finnish Research Council also funds, e.g., research done at university hospital and international research infrastructures.

Academy funding in 2018, by instrument

Thematic funding

€82M

- Academy Programmes and international cooperation
- ICT 2023 programme
- Strategic R&D funding

Organisation-oriented funding

€81M

- Funding for research infrastructures
- **Funding to strengthen university research profiles**
- **Flagship programme**

Researcher-oriented funding

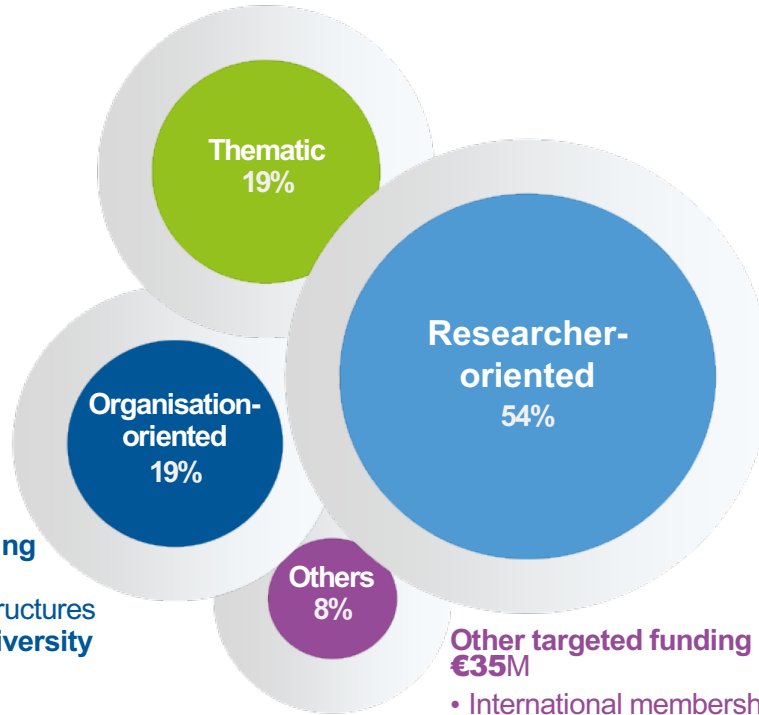
€231M

- Academy Professors
- Academy Research Fellows
- Postdoctoral Researchers
- Research costs of the above researchers
- Academy Project funding
- **Centres of Excellence**

Other targeted funding

€35M

- International membership fees
- Researcher mobility
- Application review, Academy Programme coordination, development and maintenance of research funding information systems

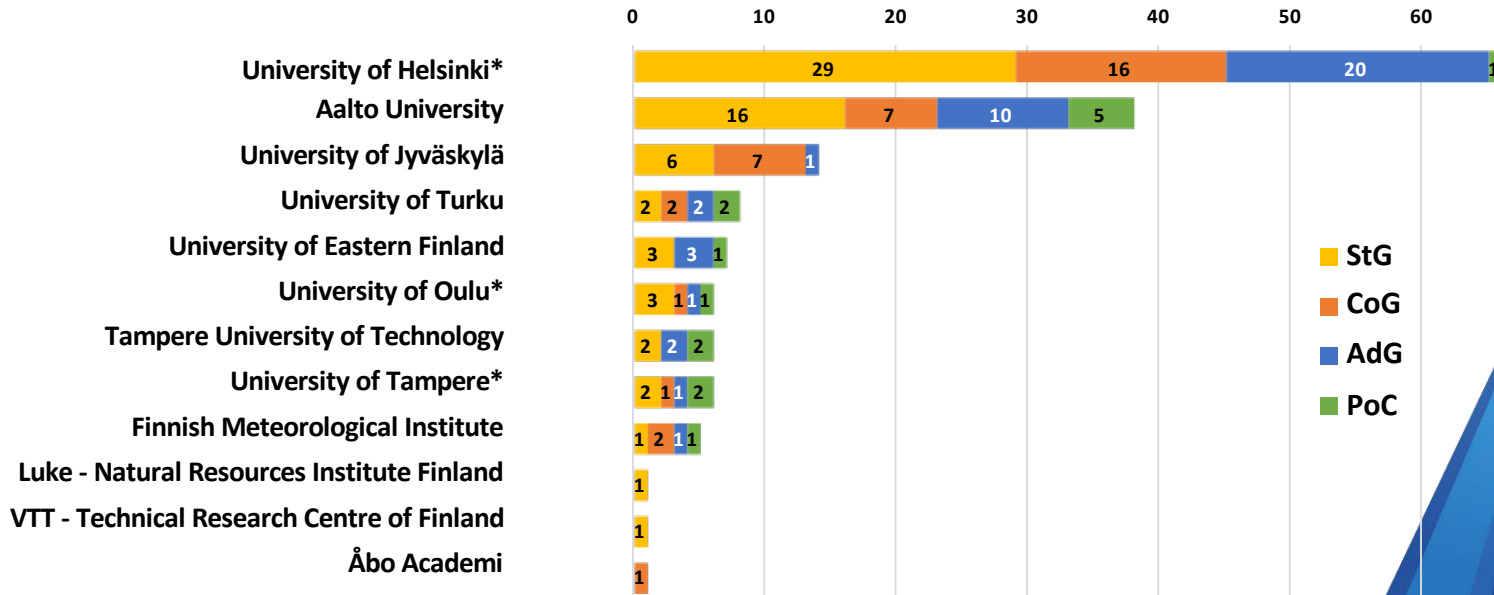


Strongholds of Finnish Research

Business studies and economics	1.35
Humanities	1.31
Agricultural and Forest Sciences	1.29
ICT and Electrical Engineering	1.23
Mathematics and Statistics	1.21
Engineering, other fields	1.20
Clinical Medicine	1.16

Country Rank	Institution	World Rank
1	University of Helsinki	63
2-4	Aalto University	301-400
2-4	University of Oulu	301-400
2-4	University of Turku	301-400
5	University of Eastern Finland	401-500
6-7	University of Jyvaskyla	501-600
6-7	University of Tampere	501-600
8	Lappeenranta University of Technology	901-1000

ERC grants 2007-2017 in Finland by Host Institutions



*) 1-2 grants moved in during grant preparation

FP7 2007-13 total StG/CoG/AdG	68
H2020 2014-17 total StG/CoG/AdG	76

Flagship Programme – Academy of Finland

FLAGSHIP PROGRAMME

6Genesis

6G-Enabled Wireless Smart
Society & Ecosystem

FCAI

Finnish Centre for
Artificial Intelligence

iCAN

Digital Precision Cancer
Medicine Platform

INVEST

Inequalities, Interventions
and New Welfare State

FinnCERES

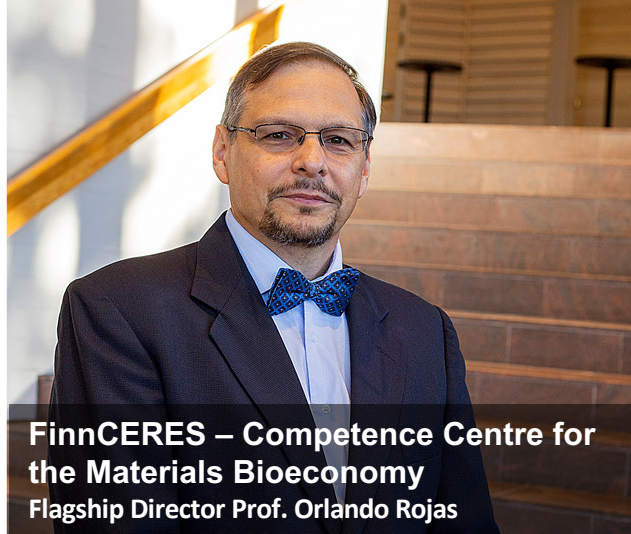
Competence Centre for
the Materials Bioeconomy

PREIN

Photonics Research
and Innovation



6G – 6G Enabled Wireless Smart Society & Ecosystem
Flagship Director Prof. Matti Latva-aho



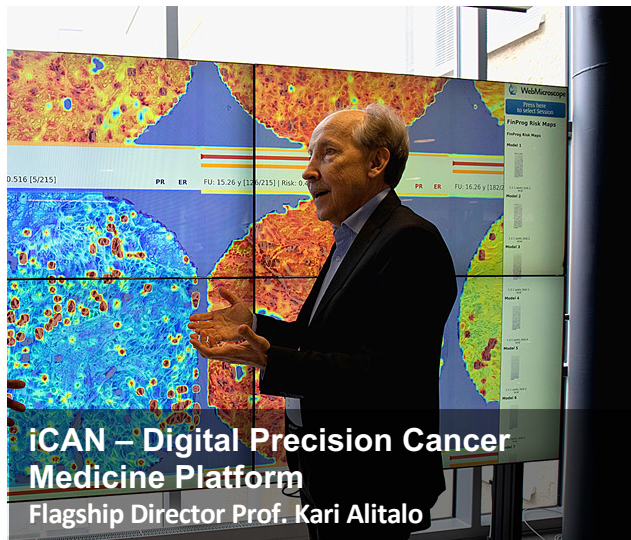
FinnCERES – Competence Centre for the Materials Bioeconomy
Flagship Director Prof. Orlando Rojas



INVEST – Inequalities, Interventions and New Welfare State
Flagship Director Prof. Jani Erola



FCAI – Finnish Center for Artificial Intelligence
Flagship Director Prof. Samuel Kaski



iCAN – Digital Precision Cancer Medicine Platform
Flagship Director Prof. Kari Alitalo



PREIN – Photonics Research and Innovation
Flagship Director Prof. Goery Genty

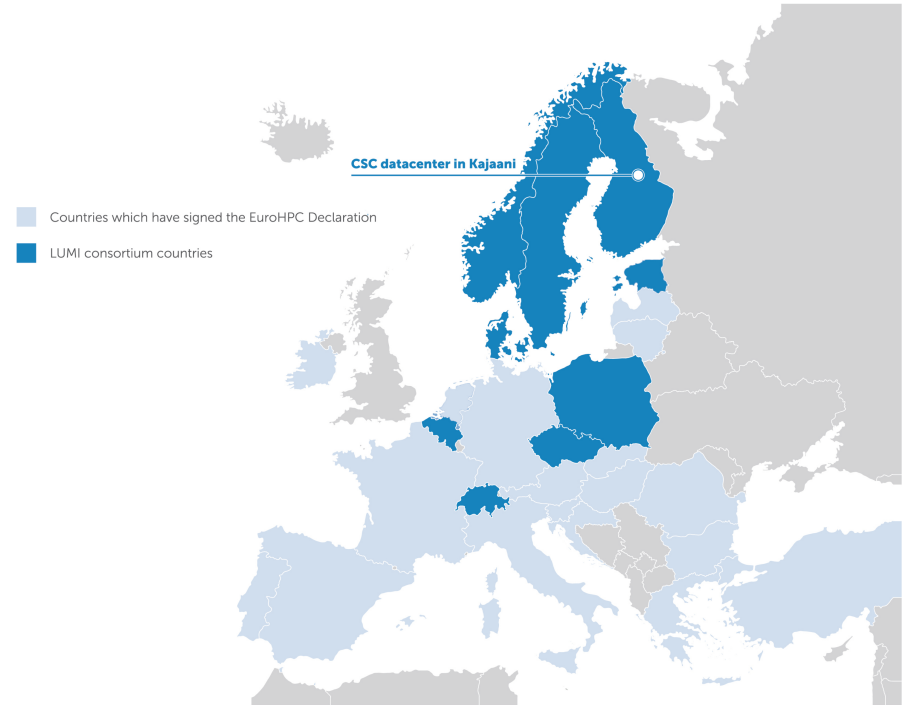


Funding 2019–2022

- Host organisations **320 M€**
- EU-funding / ongoing projects **100 M€**
- Academy of Finland "seed funding" **54,5 M€**

LUMI - EuroHPC: the fastest supercomputer in public research in the world

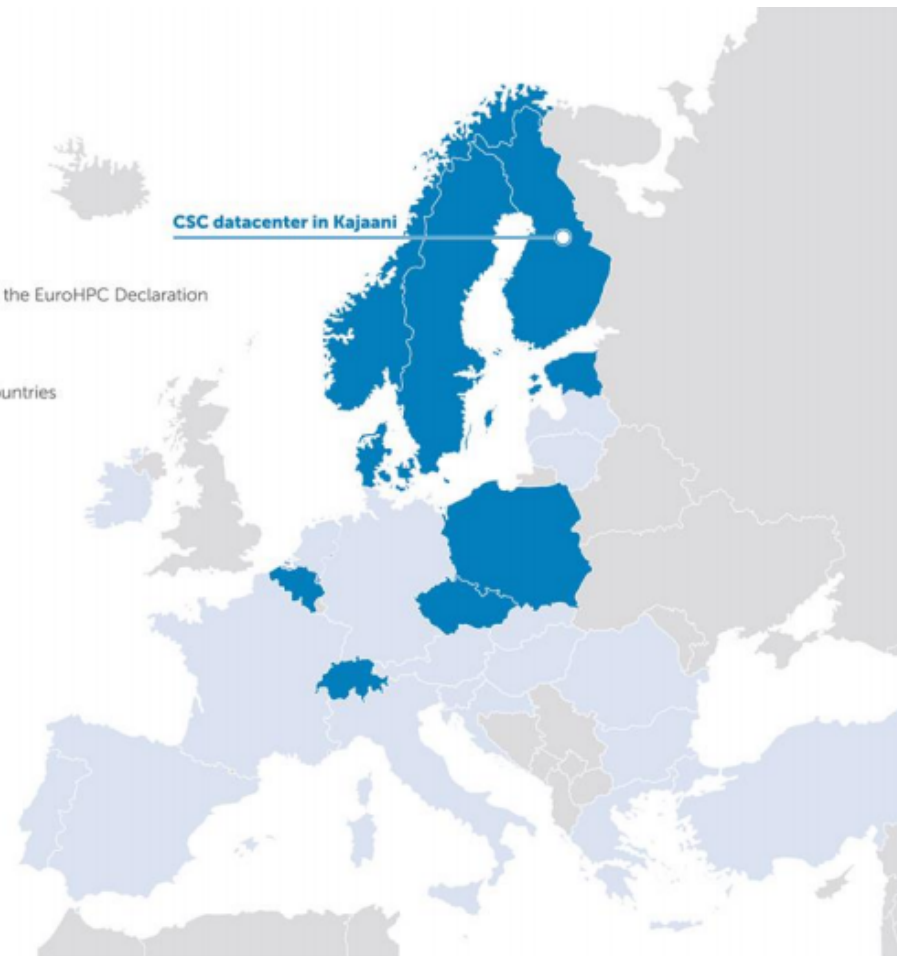
- Performs 10x the fastest supercomputer in Europe today
- One of the three European pre-exascale computing environments build together by the EU, participating countries and private industries
- Hosted by CSC – IT Center for Science
- The most ecofriendly data center in the world (PUE=1.06)
- In use Q1 2021



Lumi Consortium

Finland	50 M€
Belgium	15.5 M€
Switzerland	10 M€
Sweden	7 M€
Denmark	6 M€
Czech Republic	5 M€
Poland	5 M€
Norway	4 M€
Estonia	2 M€
EU	104,5 M€
Total	209

- Countries which have signed the EuroHPC Declaration
- LUMI consortium countries
- Possible LUMI consortium countries



How to study in Finland?

400+ Study Programmes in English
Bachelor
Master
PhD

see: www.studyinfinland.fi



6TH BEST ENGLISH IN THE WORLD BY NON-NATIVES

Finland has been ranked sixth among those countries, whose citizens speak best English in the world not as a native language. Early instruction is crucial.

Source: EF English Proficiency Index (EF EPI)

The infographic features a large blue '6' with 'TH' in a smaller font to its top right. To the right of the '6' is the text 'BEST ENGLISH IN THE WORLD BY NON-NATIVES' in bold blue capital letters. Below this, on a dark blue background, is a white icon of a person with their right arm raised, holding a flag that resembles the Union Jack. To the left of this icon, the text 'Finland has been ranked sixth among those countries, whose citizens speak best English in the world not as a native language. Early instruction is crucial.' is written in white. At the bottom left of the dark blue section, the source 'Source: EF English Proficiency Index (EF EPI)' is noted in white.

Doctoral studies in Finland

- Doctoral studies take normally 4 years
- Full time students paid fully by the university (doctoral programmes)
- Participation in research projects, some funded by industry
- Professors & faculties can be contacted anytime

FINLAND

Most vibrant

STARTUP ECOSYSTEM

IN THE WORLD

Slush - Jussi Holsten

STARTUP PERMIT

- Residence permit for startup entrepreneurs coming from outside EU/EEA countries
 - For maximum 2 years, with possibility to be extended
 - Continuous application – no deadlines
 - Detailed instructions:
<https://www.businessfinland.fi/en/startuppermit>
-



STARTUP KIT

- Provides information how to settle down and establish a company in Finland
 - Contains public and private partners who can help in the process
 - Some private partners offer discounts to their services
 - <https://businessfinland.fi/startupkit>
-



BUSINESS FINLAND

- Wellcome to collaboration with Finnish companies and other organizations
- We provide very attractive and competitive innovation environment
- Let's make world class success stories together!

Contacts in India New Delhi:

- Business Finland: Jukka Holappa, Santeri Ojala and Puneet Thakur @businessfinland.fi
- Team Finland Knowledge expert: Mika Tirronen and Aditya Dogra @formin.fi

Thank You !

euraxess.fi

www.aka.fi

www.studyinfinland.fi



FINNISH
GOVERNMENT