Dear ERAC delegates,
Please find attached the following presentation of the agenda of the ERAC plenary on 2 October 2019: item 3: Research and Innovation policy in Finland
Research and Innovation policy in Finland
ERAC Plenary, 2 October 2019, Helsinki
The Best Basic Education in the World
WEF, The Global Competitiveness Report 2016-17

Top-Ranking Country in PISA
OECD PISA

Second best performing Higher Education graduates
OECD Education at Glance 2016

Greatest amount of Human Capital

World’s Best in Press Freedom
Press Freedom Index 2016

The Safest State
WEF, Travel and Tourism Competitiveness Report 2015

World’s Least Failed State
Fund for Peace Failed States Index, 2016

World’s Second Least Corrupt Country
Corruption Perceptions Index, 2014

The Best Public Administration
Lagatum Institute, The Lagatum Prosperity Index 2016

Third Best in Innovation
WEF, The Global Competitiveness Report 2016-17

World’s Third Best in Gender Equality
WEF, Global Gender Gap Report 2015

World’s Second Best Place to Be a Mother
Save the Children’s annual State of the World’s Mothers report 2015

Photo: Tuomas Uusheimo / University of Helsinki
Proposal for Finland: Finland 100+

EDUCATION AND LEARNING, KNOWLEDGE, SCIENCE AND TECHNOLOGY FOR THE BENEFIT OF PEOPLE AND SOCIETY

Over 50% of all young people complete a higher education degree
Development of higher education and expertise in different life situations
4% of GDP allocated to research and development: new creative power of science, sustainable growth, more wellbeing

INNOVATIVE UNIVERSITIES AND UNIVERSITIES OF APPLIED SCIENCES

More pre-emptive and able to react
Strong internationally attractive knowledge clusters
Actively involved in the world’s most interesting networks
Open, international and globally responsible
Robust RDI activities and versatile higher education as engines for change in the economic structure and society
The world’s most competent labour force brings a competitive edge and promotes wellbeing
Ethical and socially responsible

ENABLING STEERING, RESOURCES AND STRUCTURES

Creativity, dynamics and potential for action!
Higher Education and Research in Finland

Institutes for Higher Education

13+1 Universities
- Bachelor’s degrees
- Master’s degrees
- Doctoral degrees
- Scientific research

23+2 Universities of Applied Sciences
- Bachelor’s degrees
- Master’s degrees
- RDI

12 Research institutes

5 University hospitals

Private sector
- (research institutes, companies)

1.8% of GDP to Higher Education (education and research)

2.8% of the GDP to R&I (2017)

Population 5.6 million
1200 km

25% of the population
R&D share of GDP by 2030 in Finland
Finland is an innovation leader.

Source: European Innovation Scoreboard 2019
Structure of the Finnish economy
(as percentages of the GDP)

EU2019FI
EuroHPC – leading the way in the European supercomputing

• The EU and national governments are jointly investing in high-performance computing (HPC) to help advancing research, innovation and industrial growth and keeping Europe globally competitive

• EuroHPC Joint Undertaking has 29 European member countries. Budget includes public investments from the EU and participating states as well as investments from private sector

• Application process resulted in a decision to place three exascale precursor supercomputers in **Finland, Italy** and **Spain**
LUMI – a unique joint endeavor in high-performance computing

• First co-investment ever of this scale in scientific computing.

• LUMI provides a high-quality, cost-efficient and environmentally sustainable HPC ecosystem based on true European collaboration.

• Consortium members are Finland, Belgium, Czech Republic, Denmark, Estonia, Norway, Poland, Sweden and Switzerland

• Consortium continues a solid tradition of collaboration in HPC training and education, user support and data management services.
• EuroHPC-video
Sustainable Growth – Presidency R&I priorities

Europe’s prosperity and competitiveness in the global context should be enhanced by creating an economically, environmentally and socially strong Europe.

Elements of sustainable growth include:

• Effective Single Market including modern Industrial policy,
  • ERA as a single market for research, increased investments to R&I
• Transformation to low-carbon economy,
• Digital economy as competitive edge,
  • Digitalisation should be further promoted, e.g. through more transparent practices and thus improving quality and increasing effectiveness
• Skills and inclusive society.
  • Coherent development of research, education and innovation systems
FINNISH PRESIDENCY
- KEY PRINCIPLES

- Sustainable meeting arrangements
- Transparency and active communications
- Respect for principles of better regulation
- Use and further development of digital tools in the Council Work
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- Ms Erja HEIKKINEN, Director for Science Policy Division
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Permanent Representation of Finland to the EU
- Ms Minna KIVIMÄKI, Deputy Permanent Representative, Coreper I
  - Ms Paula LAINE-NORDSTRÖM, Senior Specialist, Attaché for Research & Innovation, Space, Euratom, Chair of Joint working party on Research / Atomic Questions
  - Ms Jonna LEHTINEN, Senior Specialist, Attaché for Research & Innovation, Space, Euratom, Chair of Research working party
Kiitos!
Tack!