



# How is Finnish industry benefitting from EU R&I cooperation?

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Confederation of Finnish Industries (EK)

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What is EK?

ETTELÄRANTA 10

# What is EK?

We represent:

- the interests of our members in business and employment matters, and in decision-making in society.
- the entire private sector and companies of all sizes.
- 24 member associations
- 16,000 member companies, 96% of which are SMEs
- Over 900,000 employees on average





# Members of EK create jobs and welfare to Finland

70%

of Finland's  
export of goods

70%

of Finland's R&D  
expenditure

2/3

of the GDP created  
by companies

2/3

of the private  
sector jobs



Setting the scene

Far away



However – we have always believed in education, R&D  
and innovations



# Megatrends



## Digitalization



## Urbanization



## Globalization

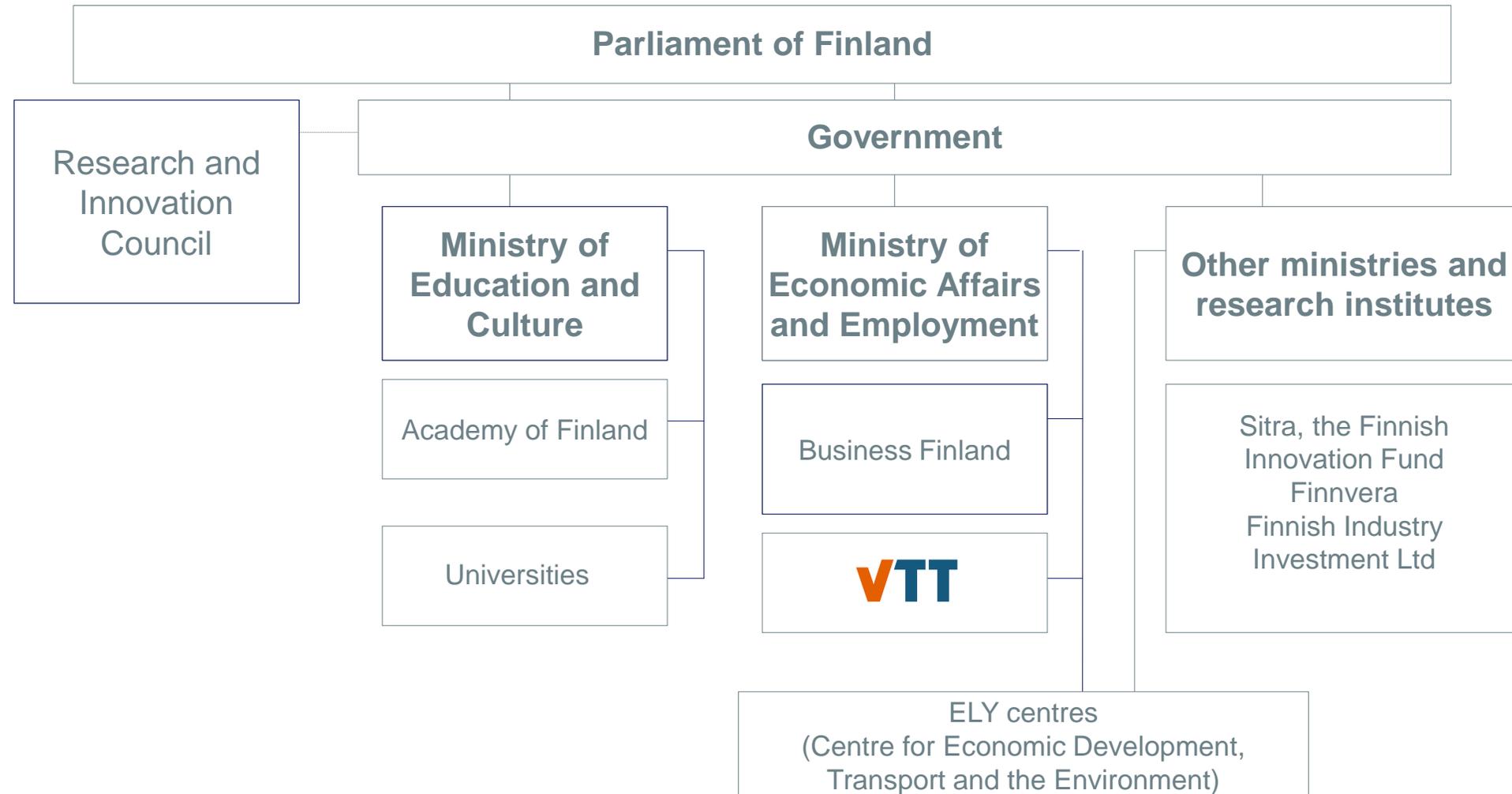


## Climate Change

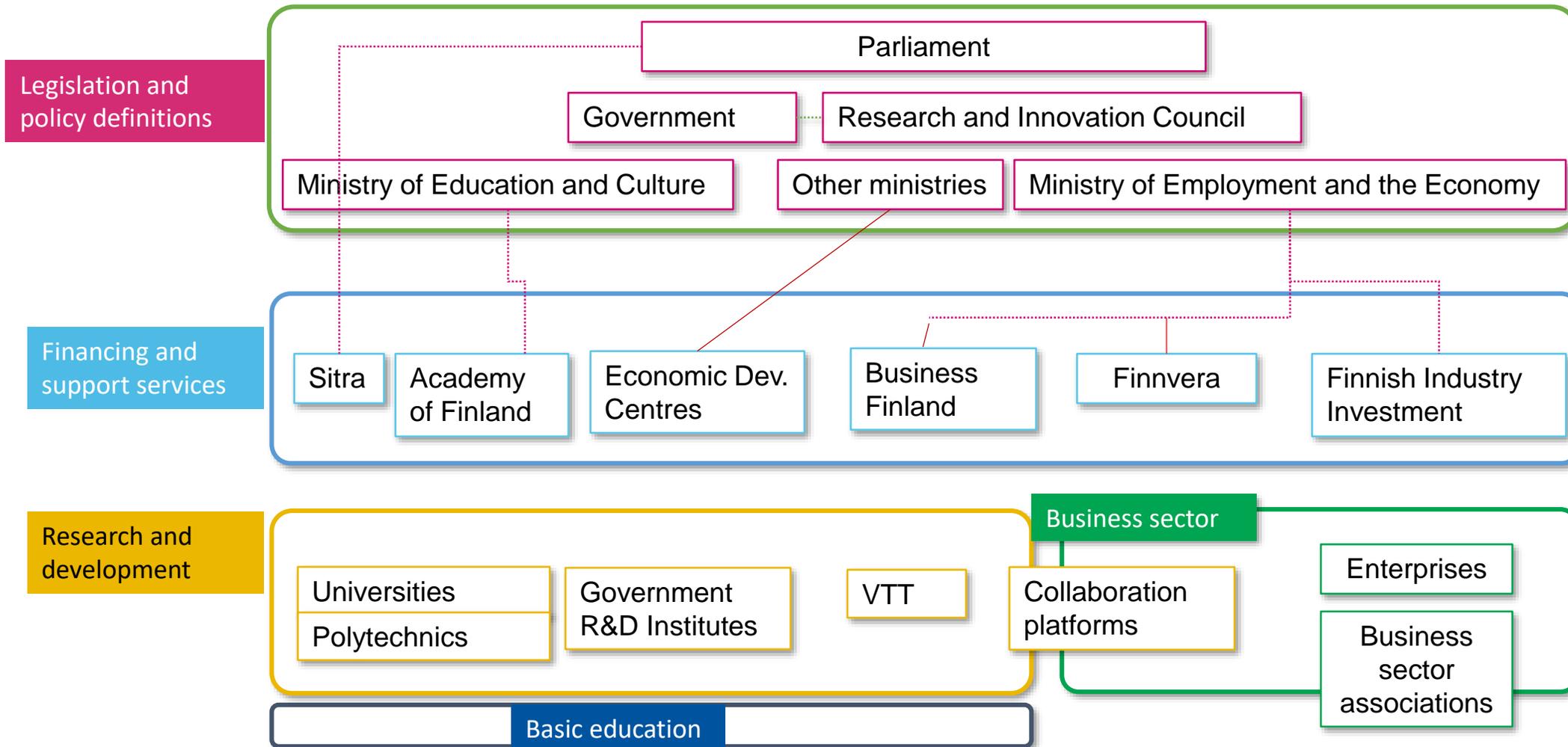


## Ageing

# Public decision makers, financiers and R&D performers



# Division of responsibilities in Finnish public innovation system



# Why EU-funding (policy perspective)

1

Money

2

Networks (skills and markets, critical mass, grand challenges)

3

Markets

4

Brand-value

5

Agenda-setting

6

General internationalization



# • Some Statistics



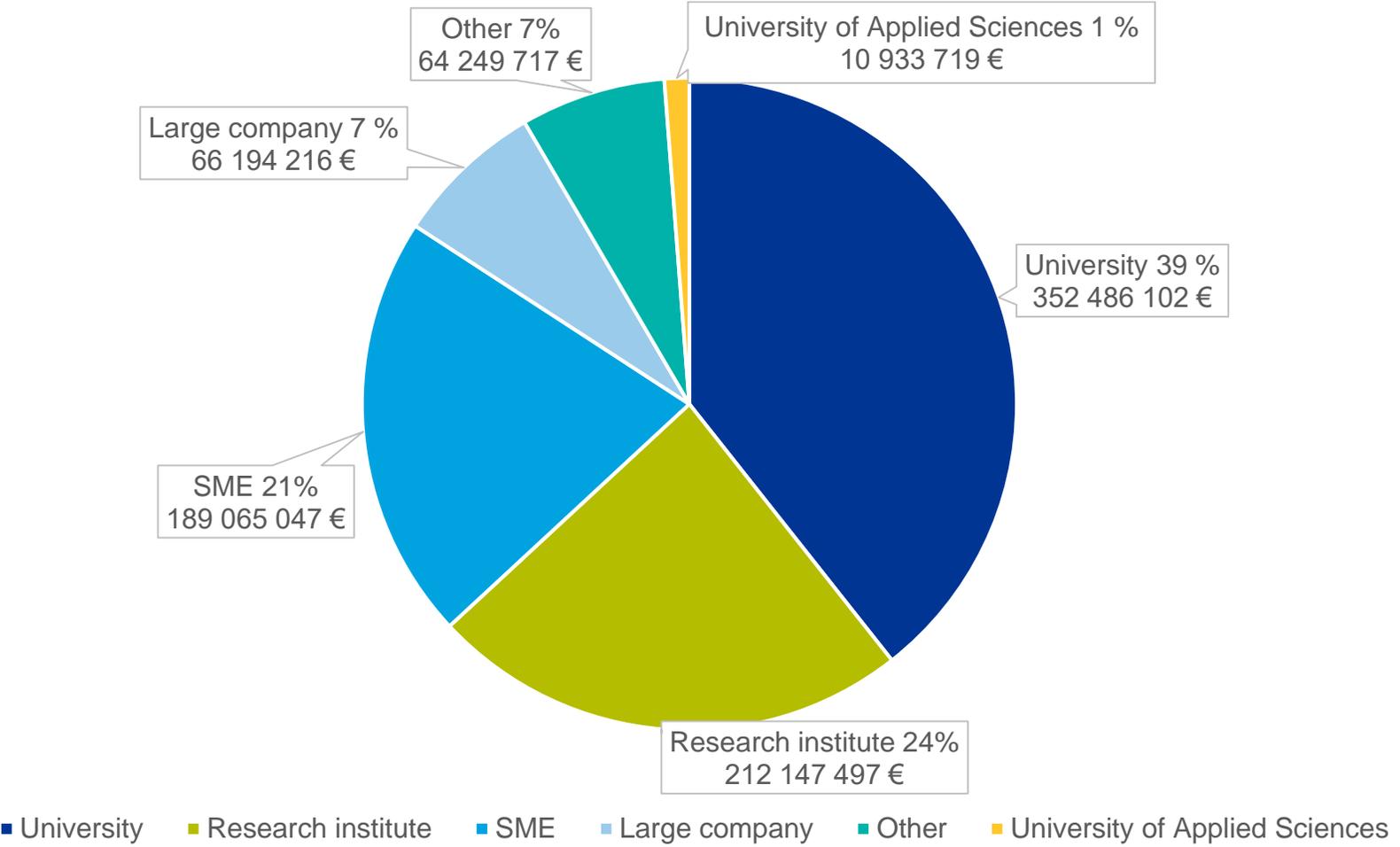
# Key Figures for Finland

Dated 13.03.2019



\* The figure is based on the application database dated 13 March 2019

# Confirmed EU funding by organization type:



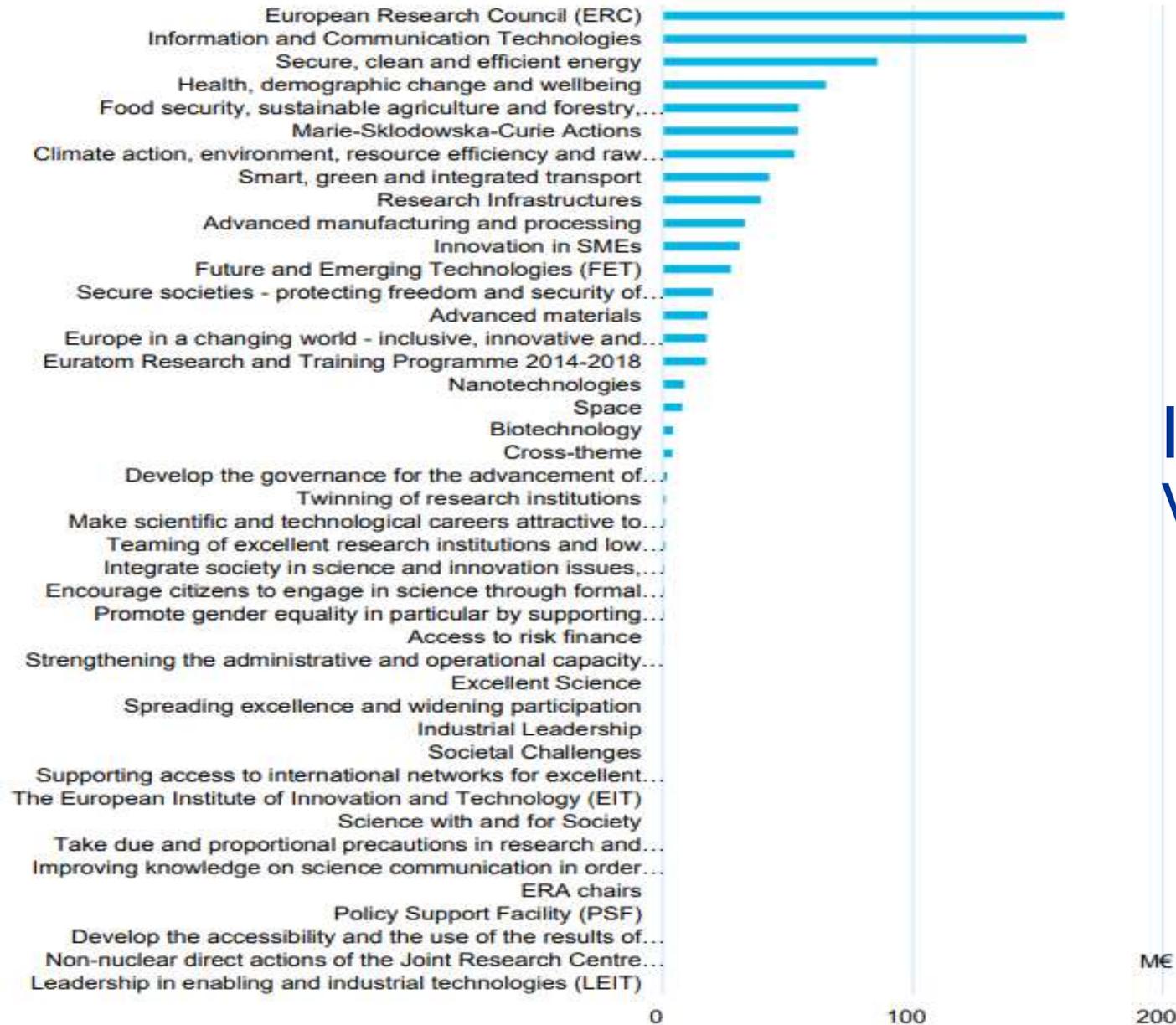
# Horizon 2020, situation March 2019

The organizations that received the most funding and the share of funding secured in Finland

Organization	Secured EU-funding	% -share
VTT Technical research centre of Finland	157 006 142 €	18 %
University of Helsinki	119 085 910 €	13 %
Aalto University	70 342 899 €	8 %
Tampere University	45 558 442 €	5 %
University of Oulu	31 973 129 €	4 %
University of Eastern Finland	28 735 724 €	3 %
University of Jyväskylä	24 680 776 €	3 %
University of Turku	17 499 055 €	2 %
Natural Resources Institute Finland	15 812 318 €	2 %
Finnish Meteorological Institute	14 881 987 €	2 %

Organizations receiving the most funding for joint projects and their share of funding for joint projects in Finland

Organization	Secured EU-funding	% -share
VTT Technical research centre of Finland	157 006 142 €	25 %
University of Helsinki	39 429 558 €	6 %
Tampere University	35 077 181 €	6 %
Aalto University	33 832 194 €	5 %
University of Oulu	23 115 661 €	4 %
University of Eastern Finland	16 186 356 €	3 %
Natural Resources Institute Finland	13 997 708 €	2 %
CSC – IT center for science ltd.	13 102 149 €	2 %
Finnish Meteorological Institute	12 716 679 €	2 %
Metgen Ltd	11 024 313 €	2 %



# Important themes

## Valuable instruments

# Why EU-funding (policy perspective)

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# Real cases

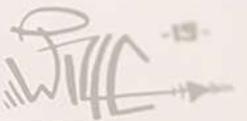


# Case 1



**High Metal Ltd**

Petri Kalliokoski, CEO





**HIGH  
METAL**

**Money  
Networks  
Markets  
Brand  
Agenda-setting**

# Empowering Medical Image Analysis with Deep Learning AI

Kaisa Helminen, CEO  
Aiforia Technologies

# Digitalization of Pathology



Category	Count
Positive	931
Negative	455



# Benefits of EU funding

- 1) MONEY: Start ups always need money
- 2) CRITICAL FUNDING: VC's do not fund clinical validation – EU does
- 3) BRAND: SME-funding is very competitive – brand value
- 4) NETWORK: Network – a positive possibility



# Case 3: VTT

# Added value of EU project collaboration

**Money**  
**Networks**  
**Markets**  
**Brand**  
**Agenda-setting**



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# Conclusions – Lessons learned - pinions

- 1 EU funding is important – a strategy is needed
- 2 Predictable future
- 3 Money
- 4 National RD and innovation system
- 5 Companies are different in terms of their RD&I needs

- 6 New networks – growth markets?
- 7 Helps small companies to scale up
- 8 Excellence and Impact

We support renewal and growth for Finland

