



Vision and road map of  
the Research and  
Innovation Council  
Finland

# Finland in 2030: the most attractive and competent environment for experimentation and innovation

Finland is an innovative, caring and safe country with world-class quality of living and possibilities for entrepreneurship.

The welfare, sustainable growth and competitiveness of Finland are based on a high level of competence, education, creativity, openness, trust, productivity, adaptability, and experiment-based cutting-edge innovations.

We are willing to learn new things, we appreciate know-how in its various forms, and we utilise it effectively both in business life and in the other sectors of society. We build a solid competence base consistently over a long period of time. We seize the opportunities and address the needs for change brought along by megatrends such as digitalisation and artificial intelligence in a timely manner. We produce solutions to global problems and respond to international demand.

The Finnish public and private sector together invest 4% of the GDP in research and innovation activities in an effective and profitable manner. These investments improve, for their part, the wellbeing of the population and society. Working together, both in Finland and abroad, is our strength.

## ENSURING THE COMPETENCE BASE

Higher level of competence that also meets the needs

Consolidation and effectiveness of RDI resources

Cross-sectoral RDI activities and education

Knowledge, inclusion and meaningfulness as Finland's strengths

## DEVELOPMENT OF COMPETENCE PLATFORMS AND GROWTH ECOSYSTEMS

Public administration as an enabler

Competence platforms accelerate the introduction of new solutions

Innovation partnerships and ecosystems renew the economy

Data and artificial intelligence as drivers of platform economy

## INTERNATIONALITY AS A PREREQUISITE FOR QUALITY AND EFFECTIVENESS

More attractive Finland

Habit of mobility

Finnish actors claim their position in global networks

## PROCEDURES FOR MAKING STRATEGIC CHOICES

## FINLAND IS THE MOST ATTRACTIVE AND COMPETENT ENVIRONMENT FOR EXPERIMENTATION AND INNOVATION

# Finland is the most attractive and competent environment for experimentation and innovation

Ensuring the competence base	Development of competence platforms and growth ecosystems	Internationality as a prerequisite for quality and effectiveness	Clear procedures for making strategic choices that support renewal
Higher level of competence that also meets the needs	Public administration as an enabler	More attractive Finland	
Consolidation and effectiveness of R&D&I resources	Competence platforms accelerate the introduction of new solutions	Habit of mobility	
Cross-sectoral R&D&I activities and education	Innovation partnerships and ecosystems renew the economy	Finnish actors claim their position in global networks	
Knowledge, inclusion and meaningfulness as Finland's strengths	Data and artificial intelligence as drivers of platform economy		

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## Clear procedures for making strategic choices that support renewal

Research and Innovation Council will outline the principles and/or procedures for the preparation and making of strategic choices

An overall picture of Finland's strengths and opportunities for growth will be created based on the views and foresight activities of different actors

The shared overall picture will steer the research and innovation policy actors in making choices related to growth and competence

The choices made will be continuously assessed and their direction dynamically adjusted



## Measures during this government term

## Short-term objective

## Long-term objective

## Ensuring the competence base

Higher level of competence that also meets the needs

- Knowledge and skills in mathematics and natural sciences will be reinforced at all levels of education
- Reform of general upper secondary education
- Student admissions will be developed and contents of degrees will be made more flexible

Requirements set by societal challenges (e.g. digitalisation) direct the development of the competence base

- The share of doctors among RDI employees is 15% in businesses and 30% in all organisations
- Finnish RDI activities are among the World's best in Finland's strongest areas of expertise

### Consolidation and effectiveness of RDI resources

High-level expertise in different fields will be brought together to form international and competitive clusters of competence by launching the Flagship institutes and growth engine activities that support the public-private-partnership

Cooperation between the public sector, third sector and businesses is appreciated and reciprocal

- Actors within the innovation system have shared campuses, infrastructures and employees
- Innovation ecosystems generate genuinely new business

### Cross-sectoral RDI activities and education

Cross-sectoral RDI activities will be supported by public funding, and openness of science will be promoted on several fronts

Finland's status as a pioneer in open science and research increases the attractiveness of the RDI environment

Businesses invest more in their own RDI activities and those of the public sector

### Knowledge, inclusion and meaningfulness as Finland's strengths

- Multiliteracy, source criticism and knowledge-based approach will be promoted and applied at all levels of education in accordance with the national core curriculum
- A new training model to meet immigrants' needs will be established

Education system provides opportunities for students with different goals throughout their lives

- Science education is started in early childhood education and care

Education, research and innovation policy-related choices support effective utilisation of information produced abroad

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## Measures during this government term | Short-term objective

## Long-term objective

## Development of competence platforms and growth ecosystems

## Public administration as an enabler

Development of strategic growth sectors will be supported through several administrative branches' joint efforts and roadmaps for research and innovation

Cross-sectoral cooperation, permissive legal framework and innovative public procurements enable the emergence and development of lead markets

Finland leads the way in the development of an entrepreneurship and market environment that boosts the growth of innovative businesses and ecosystems

## Competence platforms accelerate the introduction of new solutions

Strong incentives for the research community's and business sector's joint research environments and test platforms will be introduced

Competence platforms accelerate the introduction of new technologies and solutions and give rise to new innovation-based business activities and export

Finnish environments for research and experiment in the strategic areas of expertise are among the best in the world and attract talents and investments to Finland

## Innovation partnerships and ecosystem development renew the economy

Growth engines, supported by the Flagships, will be used to develop promising growth ecosystems on the basis of the strategic priorities defined

Innovation partnerships boost the development of growth ecosystems and the economic renewal

There are several business-run billion-euro growth ecosystems which produce competitive solutions to global needs

## Data and artificial intelligence as drivers of platform economy

Cooperation between administrative branches in the application of artificial intelligence and in the implementation of the roadmap for platform economy will be intensified

Data and artificial intelligence which intensifies data usage are utilised systematically in the renewal of all sectors and in increasing the value added

Finland is one of the world's leading countries in the development of digital platform economy and we grasp the related global business opportunities

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### Short-term objective

### Long-term objective

#### More attractive Finland

Well-functioning mechanisms for international recruitment will be established. Opportunities for immigrants to start studying and working will be enhanced, e.g. by reforming the Aliens Act.

Finland is an attractive place for experts to live, study and work

High-quality R&D environments attract the world's leading experts to Finnish higher education institutions and companies

#### Habit of mobility

- More favourable conditions for intersectoral mobility will be created
- A period of international mobility will be included in all higher education degrees

It is easier for those who arrive in Finland to start studying and working

- Finnish RDI employees work part of their career abroad
- We act as hubs in the world's best networks within our strongest areas of expertise

#### Finnish actors claim their position in global networks

- The 'Business Finland' reform will reinforce the presence of Finnish actors in the growth markets and in international innovation clusters
- A Team Finland Knowledge network will be established to represent Finnish education and research in select countries

- Finnish actors are key operators in global networks
- Finnish actors based abroad are utilised to the max

Connections to global value networks give rise to scalable export business activities and attract international investments to Finland

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# Measures will be updated for each government term



