

INTERNATIONAL TRADE WEEK

6-10 NOVEMBER



Tech Opportunities in Northern and Western Europe

TECH OPPORTUNITIES IN GERMANY

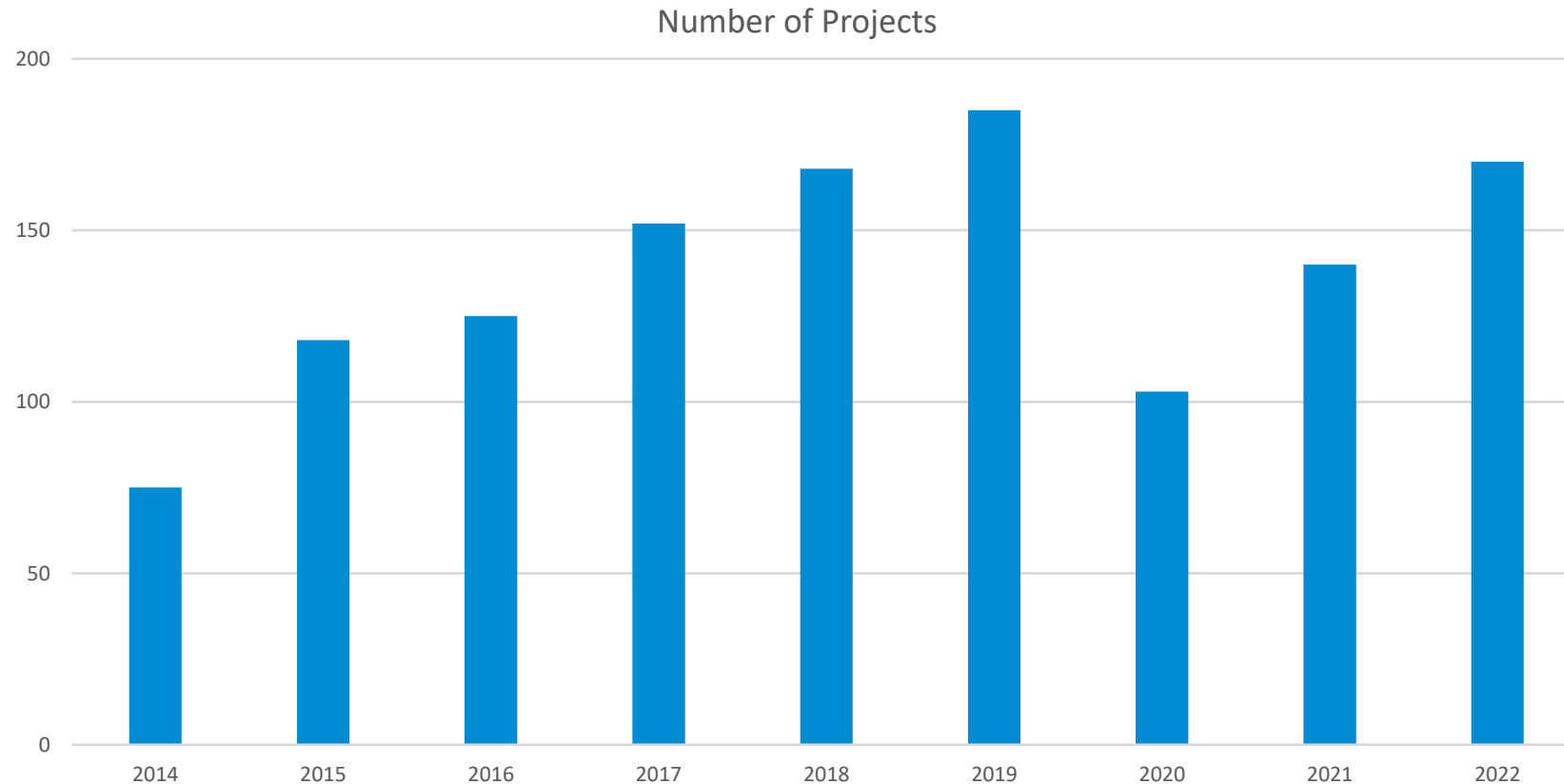
LONDON
07 NOVEMBER 2023

Rob Scheid
Director, UK & Ireland
Germany Trade & Invest
www.gtai.com/beyondbrexit



INVESTMENT TRENDS

UK consolidates its position as a top source of investment projects post-Covid



UK companies find opportunities in digitalisation & sustainability

Finance, IT & Software



- Over half of all British companies invest here.

Digital Health



- Innovate UK companies find improved German market conditions.

Energy & Transport



- Transition to sustainable energy and transport very dynamic. Plenty of synergies in wind & hydrogen.

Retail & Logistics



- Major wave of post-Brexit retail and logistics projects continues.

Major investments to transform Germany's FDI landscape

Intel Megafab Magdeburg

(announced March 2022)

Potentially largest
semiconductor fab
complex in the world





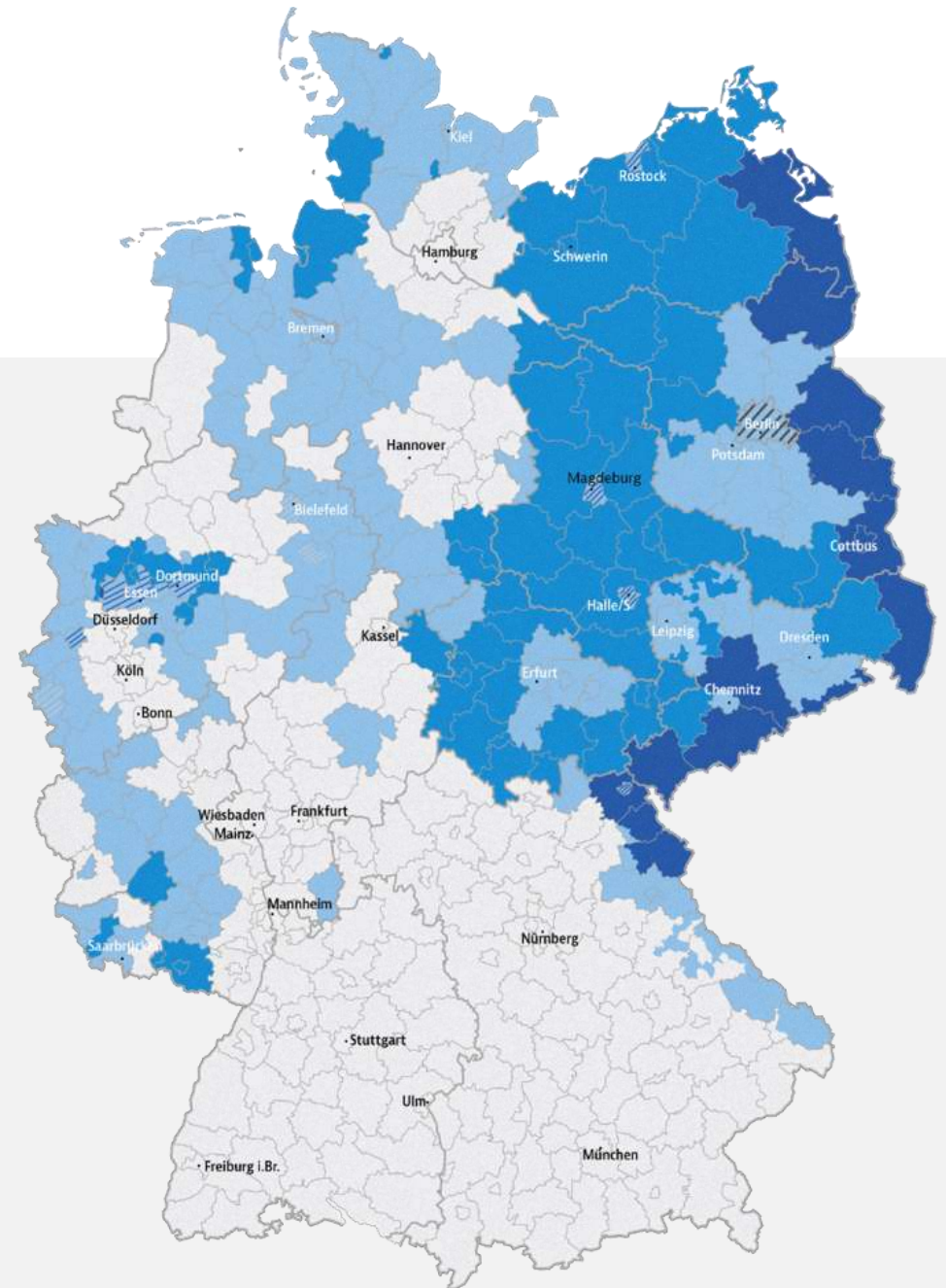
Support for International Businesses

Free of Charge
& Confidential

- Bespoke market and industry analysis
- Market entry support
- Extensive legal information (tax, labour law)
- Funding and financing information

Incentives for foreign companies

- Certain regions receive particular support
- Focus on improving regional economic structures
- GTAI advises investors on business opportunities and incentives funding available

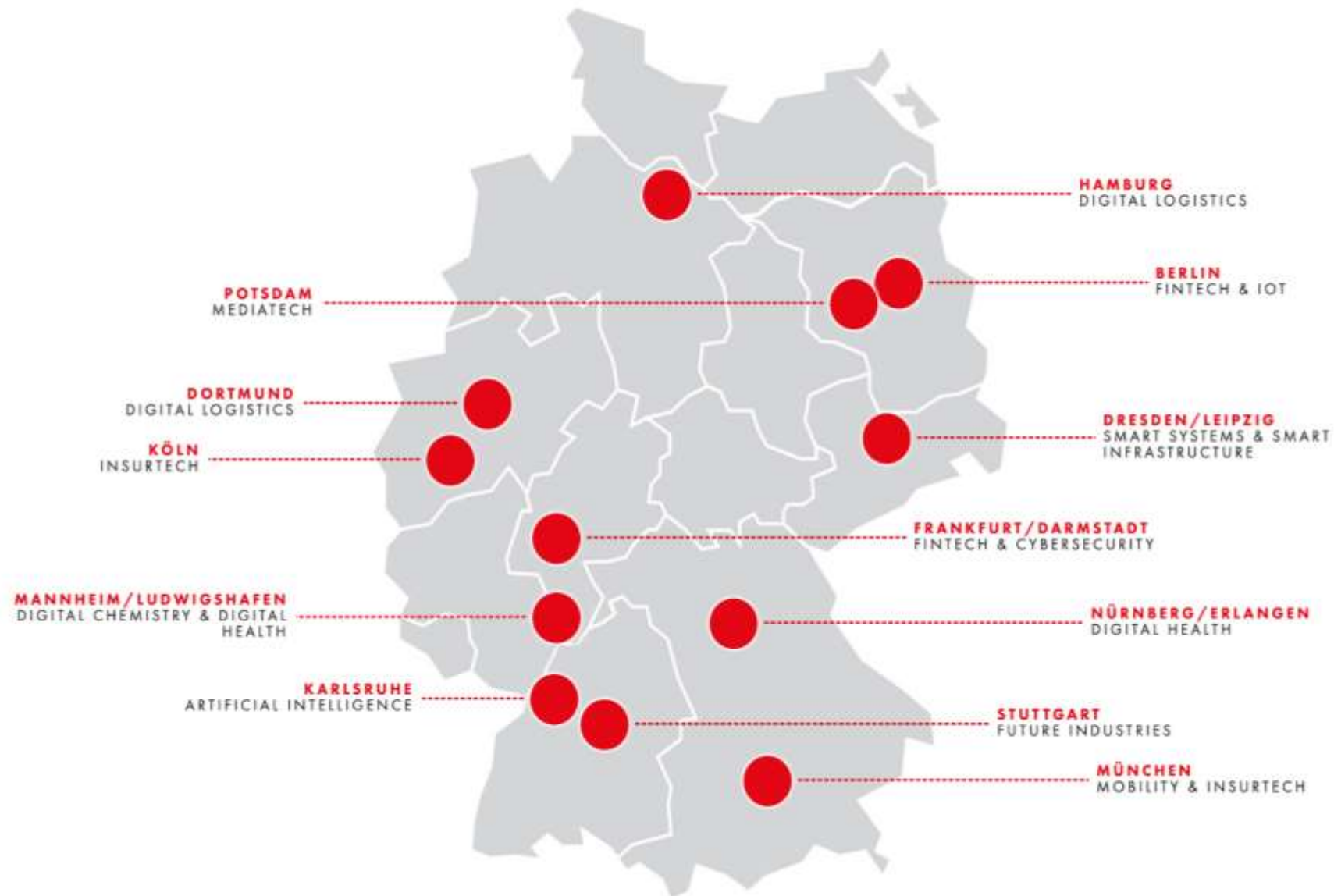




THE DIGITAL HUB INITIATIVE

BY THE FEDERAL MINISTRY OF
ECONOMIC AFFAIRS & CLIMATE ACTION

THE DIGITAL HUB INITIATIVE



I AM A START-UP



- Gateway to the **German market**
- **Networking** with established businesses/ **corporates** from your target **industries**
- Support with **project coordination** and **capacity building** e.g. Go-to-market strategy, financial modeling
- Build an **active, transregional start-up community**
- Access to **co-working spaces** and regional resources
- Networking with **investors**
- **Connections** to your **industry peers** and other start-ups

I AM A CORPORATE



- Digital **competence and expertise**
- Meet suitable **start-ups**
- Joint **development of innovative ideas** with partner companies and start-ups
- Build an **economic community** without competitiveness
- Create **best practice cases** that inspire further digitization projects
- Source **digital talents** from the region

I AM AN INVESTOR



- Develop a **network** with the most **important regional players** in the start-up scene
- Identify **opportunities for investment**
- Get **access to other investors** for joint investments
- Networking with **talents**
- Access to **regional tools and events**

Contact Us



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estonia at a glance

An aerial night photograph of Tallinn, Estonia. The city is illuminated with warm streetlights and building lights. In the foreground, there are several large, modern buildings with flat roofs and some commercial signage. A prominent building in the center has a large billboard. To the right, a curved building features signs for 'Swedbank', 'VAPIANO', and 'Nordic Hambaklinik'. The background shows the city's old town with a prominent church spire, and the sea is visible in the distance under a dark sky.

Tech Opportunities in Northern and Western
Europe

7 November
Tech UK

northern europe's hub for knowledge and digital business

- + population: 1.35 million
- + area: 45,339 km²
- + currency: Euro
- + member of: EU, Eurozone, OECD, NATO, and Schengen Area



estonia - the most advanced digital society in the world

- + an active member and contributor to NATO, the European Union and the Eurozone
- + a strong economy with an unprecedented level of transparency in governance
- + Estonia's education system is one of the best in Europe
- + Estonian GDP contribution to national defence is approaching 2.5%
- + the NATO Cooperative Cyber Defence Centre of Excellence and the eu-LISA headquartered in Tallinn

estonian business environment

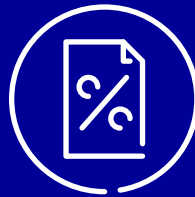
- + 15 minutes to start a company
- + 0% income tax on retained and reinvested profits
- + full automatization in tax reporting
- + e-Residency – first in the world
- + startup nation with a supporting ecosystem



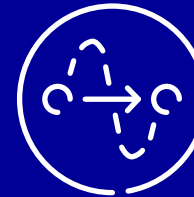
key benefits of estonia



‘the most advanced digital
society in the world’
by Wired



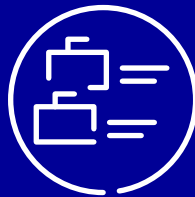
0% corporate income
tax on retained and
reinvested profits



low red tape,
transparent and stable legislation



attractive environment for
research and development



one of the world’s most open and
competitive business environments



highly competitive
infrastructure, salary and
operating costs

information society indicators



entire country is covered with a
broadband connection



99% of public services
are online



99% of Estonians have an
ID-card



1st country to use blockchain on
a national level



5 days and 2% of GDP per year is
saved with digital signatures



0% income tax on retained and
reinvested profits

international rankings

#1

International Tax
Competitiveness Index
Tax Foundation 2022

#1

Digital Health
Index
Bertelsmann Foundation 2021

#2

Internet
Freedom
Freedom House 2022

#7

EU Digital Economy and
Society Index
European Commission 2021

#7

Index of Economic
Freedom
The Heritage Foundation 2022

#18

Ease of Doing
Business
World Bank 2020

estonian startup ecosystem

- + 1500+ startups
- + 10 unicorns - #1 per capita in Europe
- + raised over € 4B in funding since 2010
- + Estonian Startup & Scale-Up Visa
- + Nordic DeepTech Valley



e-residency

e-resident.gov.ee

- + 1st in the world
- + 175+ countries
- + 104,000+ e-Residents to date
- + 26,000+ e-Resident companies



estonia as a testbed

- + self-driving vehicles
- + door-to-door delivery robots
- + smart street lighting
- + smart bicycle parking



A man in a dark suit and light shirt is seated in an audience, viewed from the side. He is looking forward and holding a tablet computer. The background shows other audience members in a dimly lit room with blue lighting.

thank you!

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Invest Estonia

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Linkedin – [maarja.pehk](#)

fintech

- + over 99% of financial transactions are done digitally
- + electronic ID & Blockchain
- + highly innovative and user-friendly systems & services
- + cryptocurrencies and AI
- + ca. 200 FinTechs
- + success stories: Wise, Monese, Guardtime, Veriff, Salv, Funderbeam, Estateguru, Pocopay, etc.

food industry



- + 23% organic agricultural area
- + food sector accounts for 8% of Estonia's GDP
- + over 900 companies in food production
- + by branches: dairy products (23%), meat products (20%), beverages (12%)
- + modern equipment utilised in production and packaging
- + 33% of output exported
- + success stories: Carlsberg, Orkla, Paulig, Fazer, Saarioinen, Valio, Lallemand, etc.

bioeconomy and timber

- + 51% of Estonia is covered by forest
- + the largest wooden house exporter in Europe
- + a full value chain for export-oriented activity
- + a pioneer in Biomass
- + success stories: Timbeter, Timbeco, Graanul Invest, Fibenol, Heinzel Group, Metsä Wood, Stora Enso etc.

information and communication technologies



- + ca. 6000 companies
- + ca. 7% of the entire workforce
- + 8% of GDP
- + 4,1B EUR turnover
- + over 130 countries worldwide using Estonian ICT solutions
- + success stories: Fujitsu, Guardtime, CGI, Playtech, Pipedrive, Solita, etc.

smart cities

- + 2017 testing of autonomous vehicles legalised
- + commitment of the state to innovation
- + first country in the world to implement smart parking
- + strong IoT engineering capabilities
- + success stories: Starship Technologies, EyeVi Technologies, Bikeep, Bercman Technologies, Comodule, Bolt, Ridango, 1oT, etc.



defence



- + 2% of GDP defence investments commitment to NATO
- + world-class solutions for the global defence industry
- + #1 in cyber security in Europe
- + unique expertise in R&D and management of cybersecurity solutions
- + a leading role in expanding with NATO innovation accelerator DIANA
- + success stories: Milrem Robotics, Threod Systems, Hepta Airbone, GScan, Cybexer Technologies, Cybernetica, etc.

electronics and mechatronics



- + 14.5% of GDP created by manufacturing
- + 93% of the Estonian electronics industry's output is exported
- + more than 250 companies and 12,000 employees in the sector
- + modern technology and automated manufacturing processes
- + fully collaborative ecosystem for R&D, prototyping and production
- + success stories: ABB, Ericsson, Ensto Ensek, Scanfil, Amphenol, Incap Electronics, Stoneridge Electronics, Hanza Mechanics, etc.

energy



- + 100% of the energy generated from renewables by 2030
- + #1 in the world for smart grids and electric vehicles
- + a member of the EU internal energy market
- + goal - number one green energy producer per capita in the world
- + success stories: Elcogen, Skeleton Technologies, ABB, Nilar AB, Incap Electronis, Graanul Invest, etc.

health

- + digital healthcare and personalised medicine
- + 2008 health records were first made available online
- + 99% of health data created today is digitised
- + 20% of Estonian adults have joined the Estonian Biobank
- + Estonian Connected Health Cluster
- + success stories: Estonian Genome Centre, Roche, Tamro, Icosagen, Migrevention, Viveo Health, Nanordica Medical, Antegenes





The Belgian tech landscape snapshot



Population: 11 Million

1 Country



3 Regions



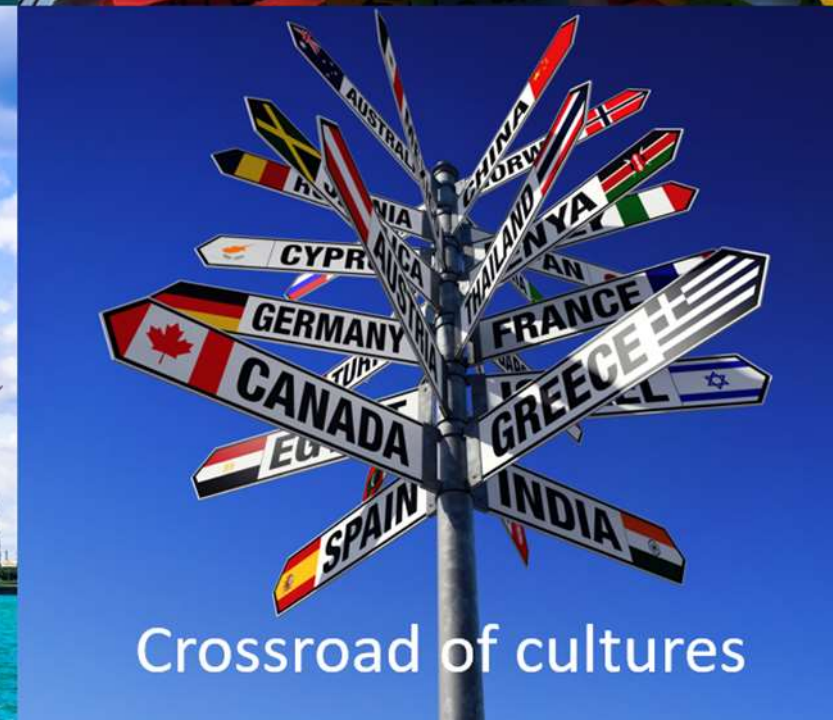
Multilingual



Capital of Europe

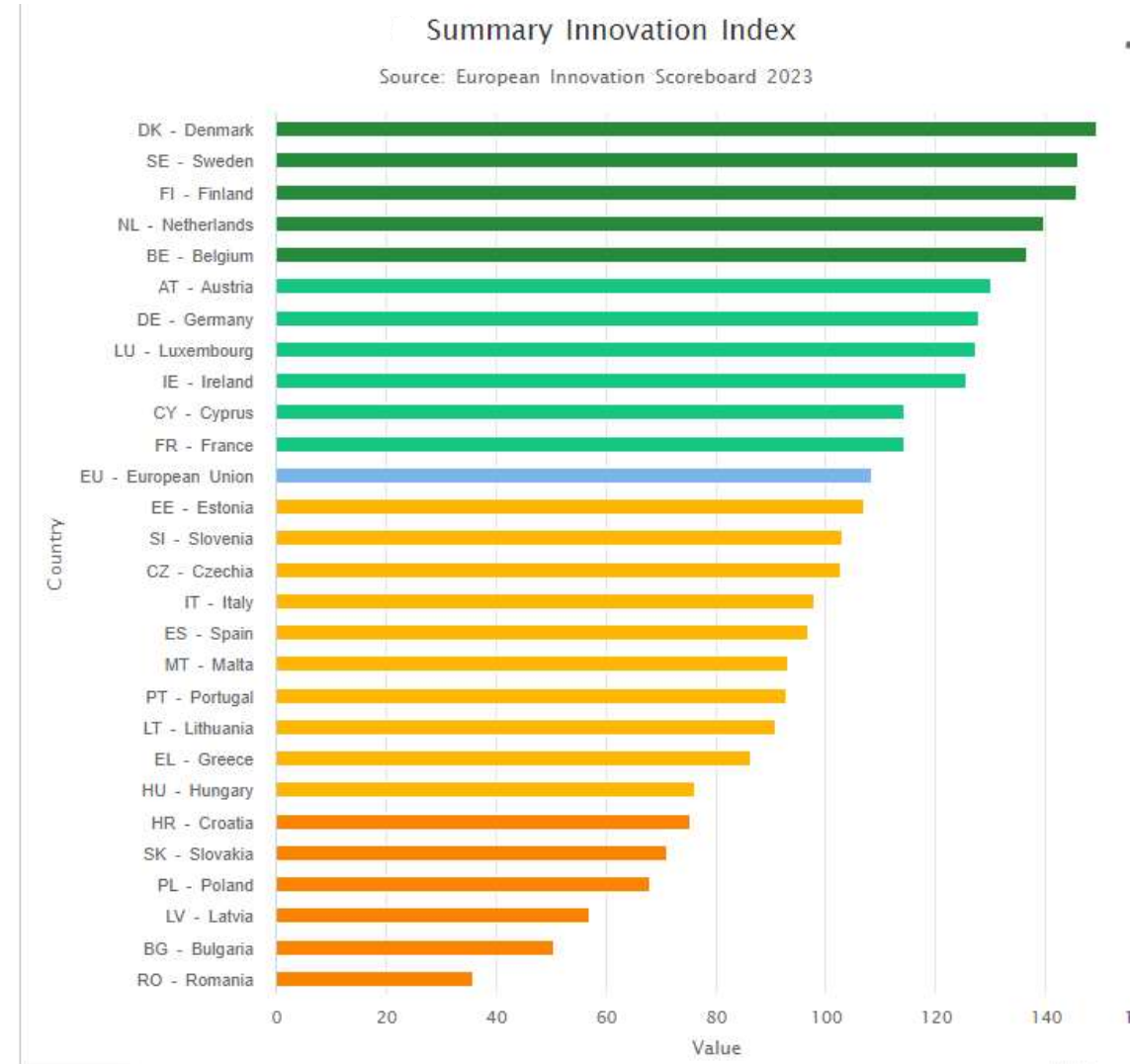
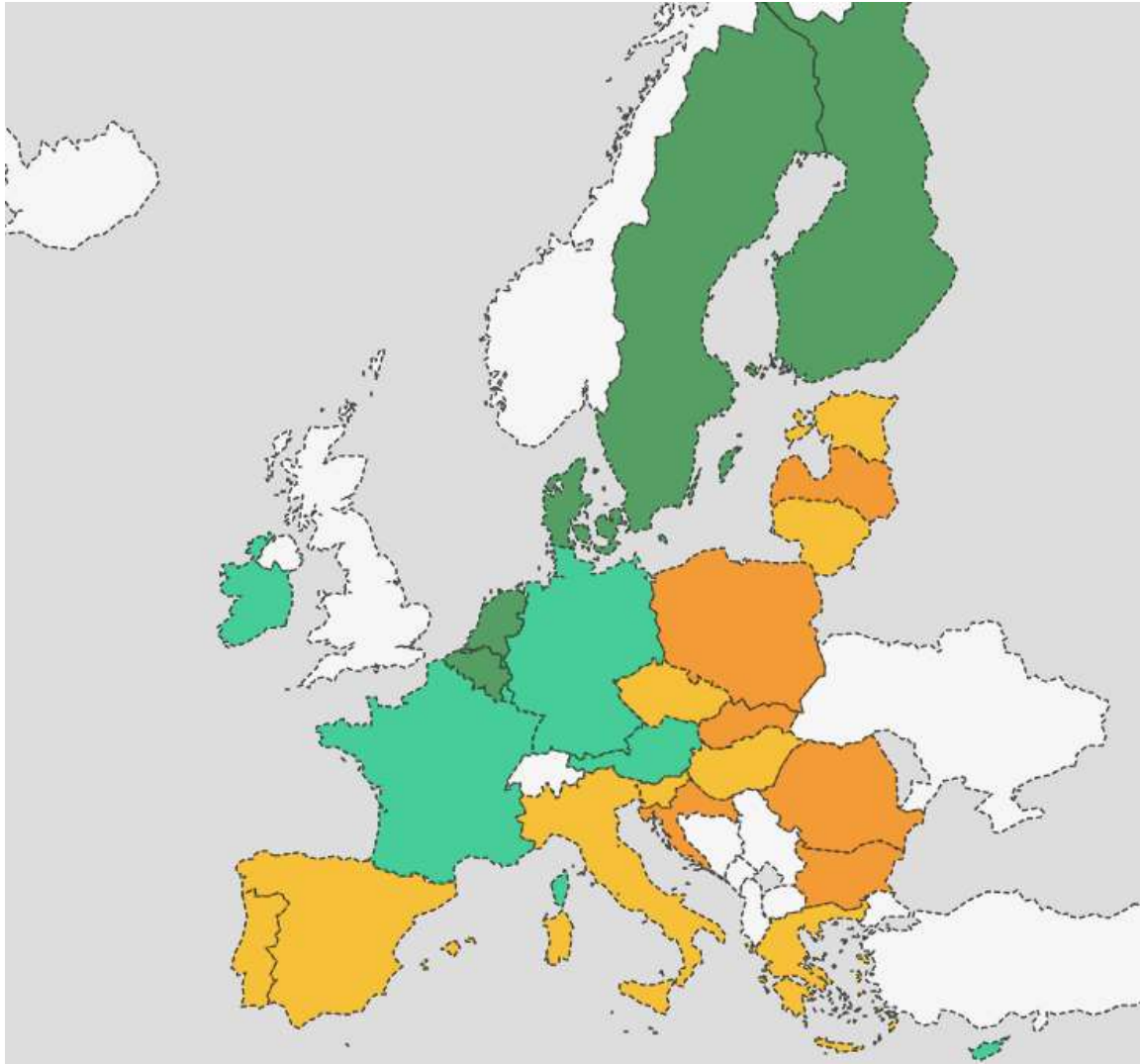


Open economy



Crossroad of cultures

European Innovation Scoreboards 2023





Content

Brussels

Wallonia

Flanders

Tax scheme

BRUSSELS

BRUSSELS, what's in a name?

- Location, location, location: the gateway to Europe
- Vibrant cosmopolitan start up tech scene
- Business-friendly bon vivant style

Focussing on:

FINTECH

- Meet us at the **Digital Finance Summit in Brussels 8th of December 2023, Brussels**

PROPTech

- Brussels is Europe's laboratory for circular construction and buildings

GOVTECH

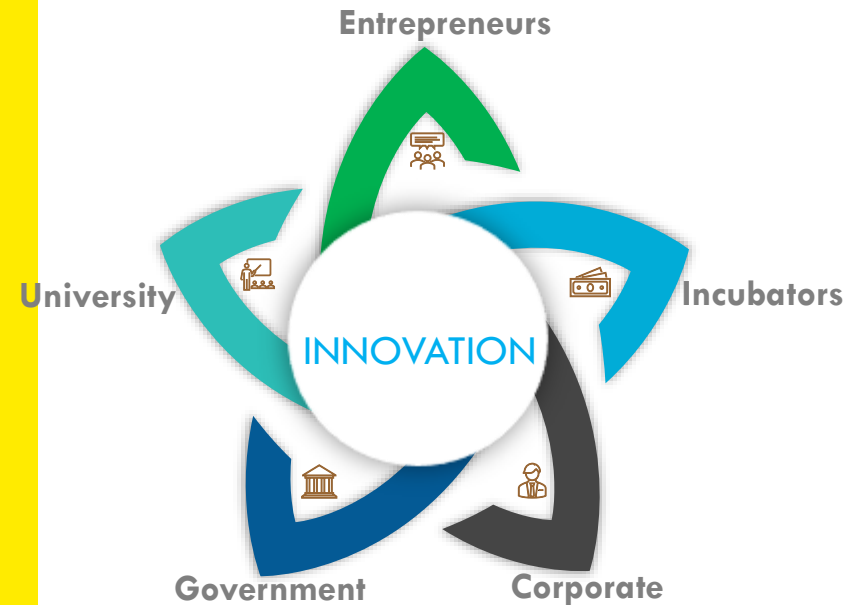
- Diplomatic and administrative hub: host to international, national and regional administrations and governments



Wallonia

WALLONIA: A Rich, Vibrant & Innovative Ecosystem

The key to its success lies in the close collaboration between industry, academia, research centres and government



➤ The Walloon R&D model is characterised by a strong integration of university-industry collaboration

Innovation Hub in the heart of Europe

World leader in biotech/biomanufacturing.

World leader in logistics - Infallible supply chain.

World leader green technology.

Leading player in recycling technology.

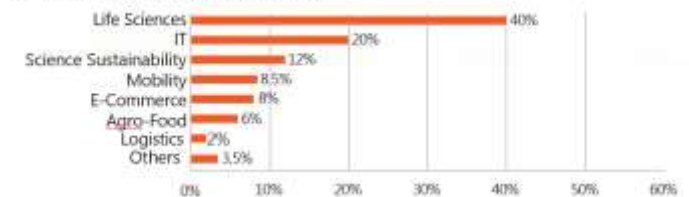
World leader in assembly of aircraft structures and space applications for satellites.

World leader in live broadcasting technology and media productions.

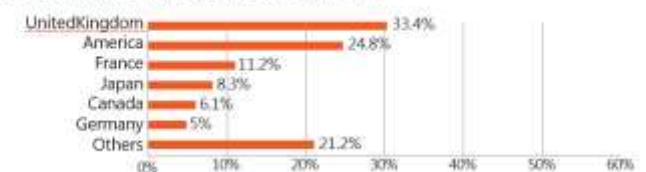
European Digital Innovation Hub



Foreign direct investment per sector (2021)



Foreign direct investment per country of origin (2021)



Research Centres

Manufacturing

Logistics

Service Providers

Science Parks

Universities

Training Centres

Start-ups & SMEs

Global leaders & TRADE

WALLOON ECOSYSTEM

Expertise to drive basic research to industrialisation and to market

BIOTECH



MEDTECH



AGRITECH



GREENTECH



ENGINEERING



DIGITAL TECH



Strategic Locations | State-of-the-art Infrastructure | Highly trained and creative talent pool | Best patent box in Europe

FLANDERS INVESTMENT & TRADE

Flanders

Why Flanders?

Pharma and biotech

- Highest concentration of **big pharma**, with extensive R&D, regulatory, manufacturing and logistics facilities in Europe
- Large medtech companies with **EU HQ** (Johnson&Johnson, Pfizer, Sanofi, UCB Brussels, gsk Wallonia, ...) + JLABS EMEA
- Fast-growing biotech **startups**
- The **Nr. 1** in Europe in plant biotechnology
- Belgium ranks **Nr.1** in market cap on Euronext (28%!)
- Dynamic cluster organizations and supportive government

Why Flanders?

imec

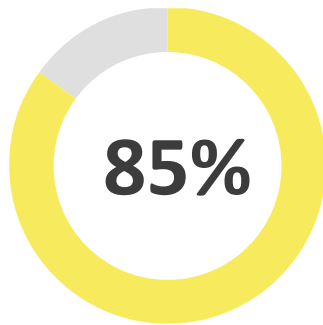
Imec shapes the future in nanotech and digital

- *How? By **enabling nano- and digital technology innovation** with a significant impact on the quality of life. With our partners from companies, governments and academia. And supported by the three pillars of our R&D:*
- *a unique **infrastructure** that includes a 2.5-billion-euro 300mm semiconductor pilot line*
- *more than 5,500 **expert scientists** from over 96 countries*
- *an **ecosystem** of more than 600 world-leading industry partners and a global academic network*

Tax scheme (Belgium)

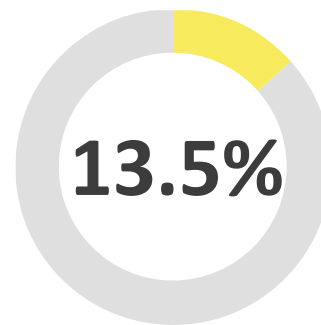
R&D tax credits

Innovation income deduction

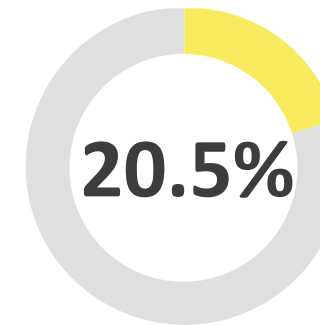


Up to 85% of your company's net innovation income is exempt from corporate taxation.

R&D investment deduction



up to 13.5% of the investment value (at once)



on the annual depreciations (staggered)



R&D payroll tax incentive

Up to 80% of payroll withholding tax paid on professional income for researchers and academic personnel can be recovered.

Innovation premium



Contacts

> 3 Regional Government Agencies



> Support -> Professional / Confidential / Free of charge

- Tax & Legal information
- Company registration
- Guidance to Public bodies
- Finding a site location
- Incubators
- Sectorial expertise
- Employment legislation
- Govt. financial support
- Technological partnership
- European programs
- Build up local network
- Recruitment

Contacts

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techUK | Tech Opportunities in Northern and Western Europe

Market pitch: NORWAY

London, 7 November 2023

Our global climate challenges

Summer of 2023 was Earth's hottest since global records began in 1880, according to scientists at NASA's Goddard Institute of Space Studies (GISS) in New York.

Deadly wildfires in Canada and Hawaii, exceptional heat waves in South America, Japan, Europe, and the US, and severe rainfall in Italy, Greece, and Central Europe.



Photo: Patricia de Melo Moreira/AFP/Getty

Portugal



Photo: John Kolesidis/Reuters

Greece

Norway's attractiveness

- 5.2 m people
- EEA: Adheres to EU Legislation, member of single market and the four freedoms of movement – goods, people, capital, and services
- AAA ranked and politically, economically and geologically stable
- Europe's leading producer of hydropower
- World-renowned industries: Energy, Aquaculture, and Maritime
- Agile business climate:
 - **#1 in World for most Resilient Nation***
 - **#3 in Europe for Doing Business****
 - **#5 in World in Talent & Workforce*****

* FM Global Resilience Index, 2020

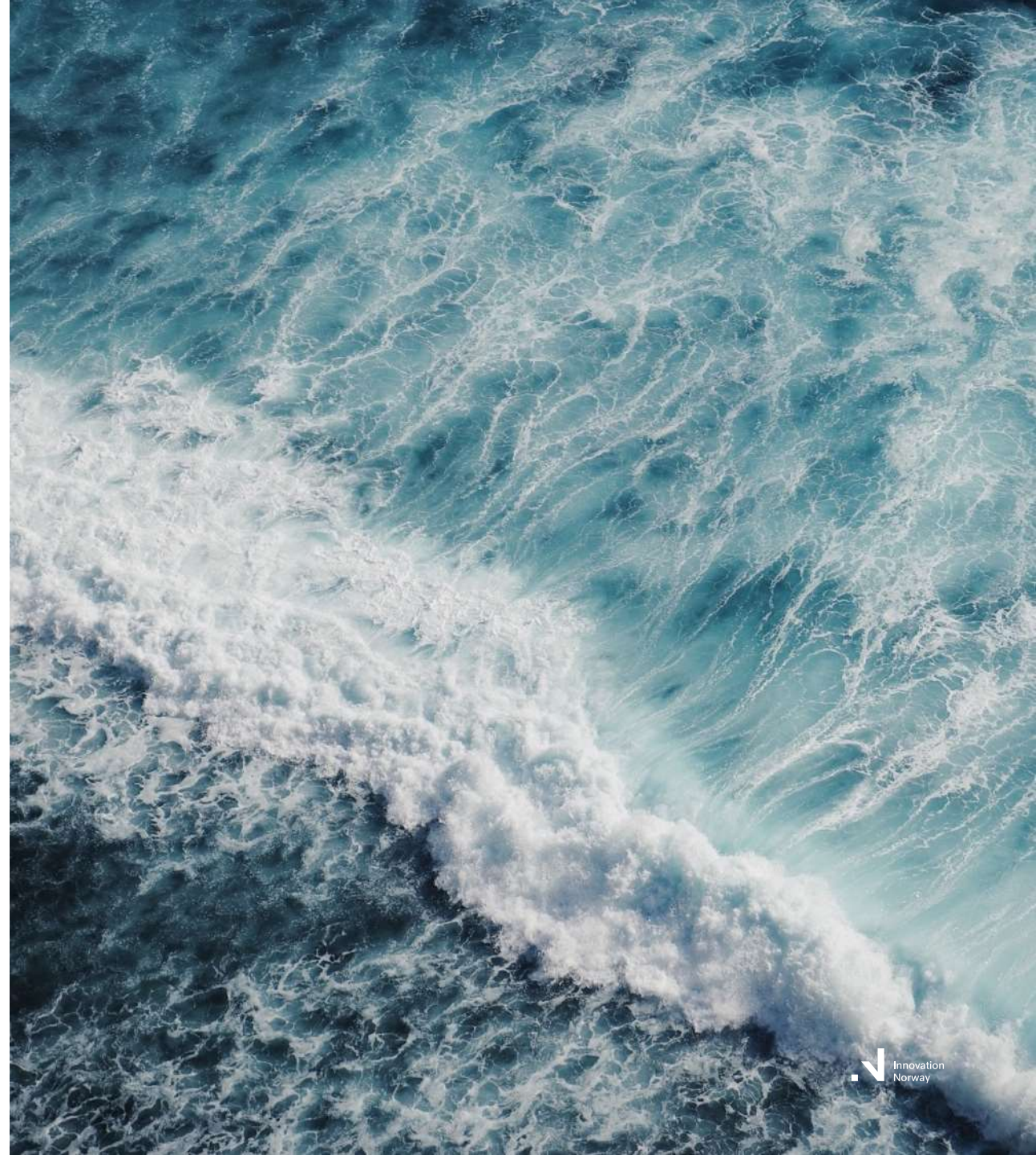
** World Bank's Doing Business Report, 2020

***IMD World Talent Report, 2020

Norway has...

An abundant supply of renewable energy

Norway has long been at the forefront of renewable energy production.



Norway offers...

World-class expertise and technology

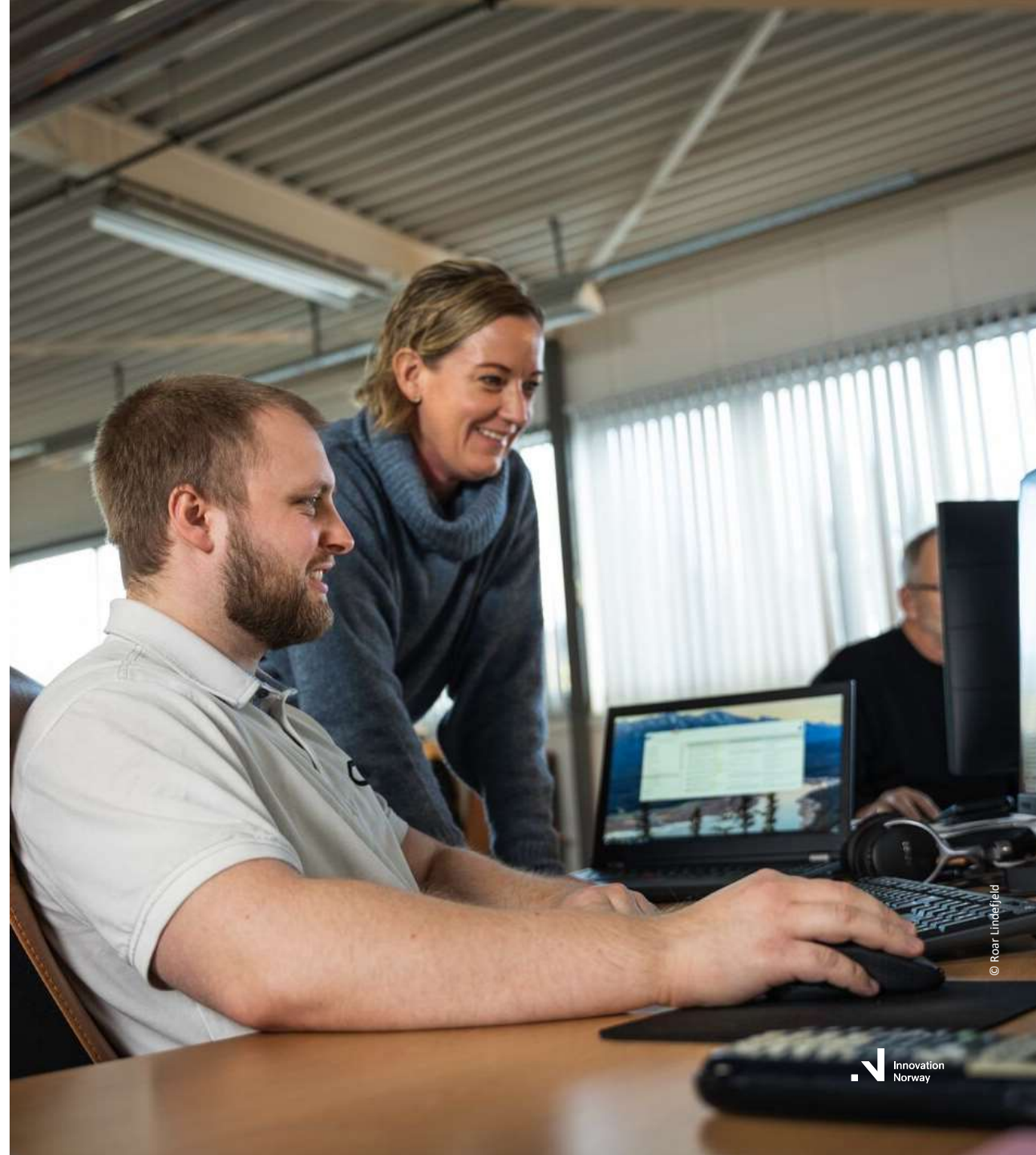
In Norway, technology and expertise are developed in close collaboration between the maritime and energy sectors.



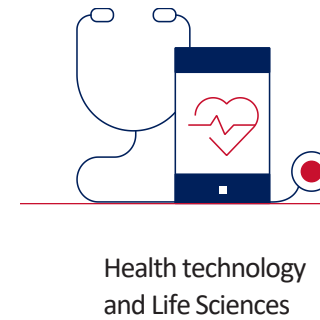
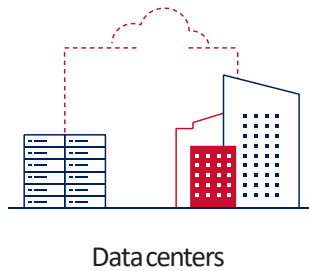
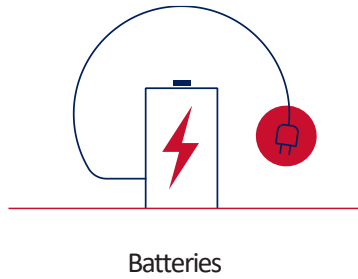
Norway offers...

A competent, independent and tech- savvy workforce

Our deep fjords are suitable for transport and there are large areas available for production sites. There is also little conflict around ocean industries in Norway.



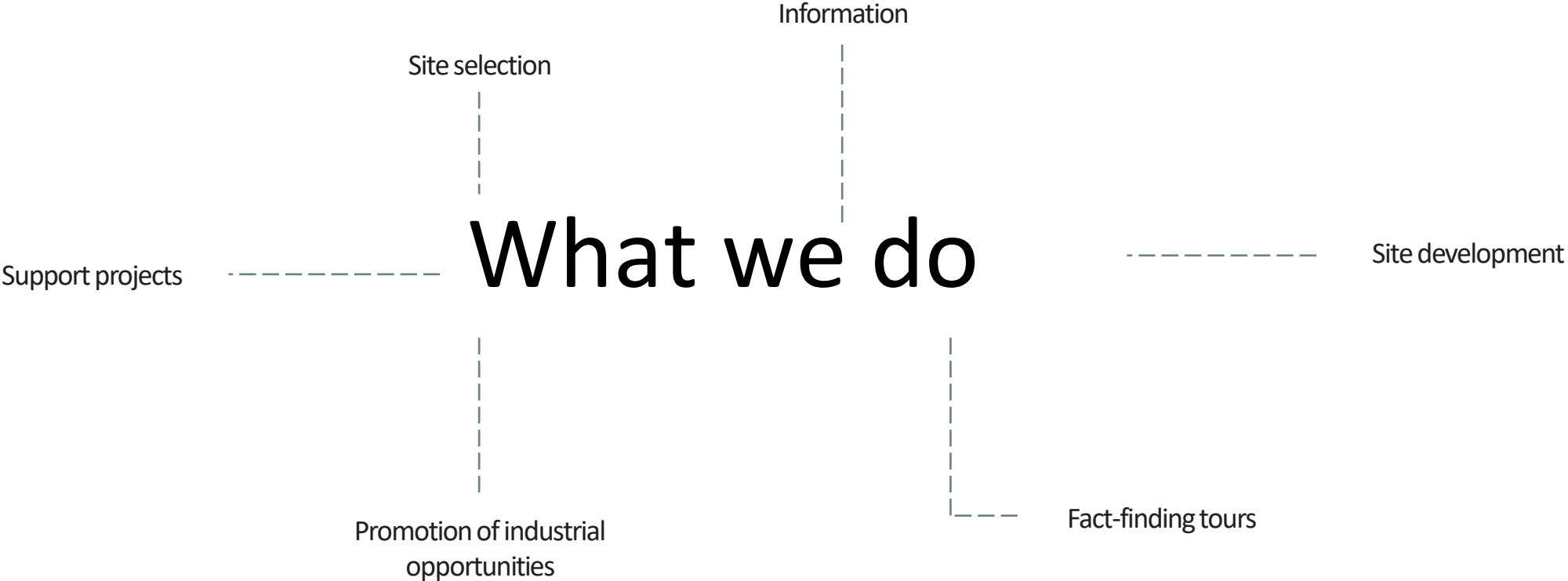
In particular, there are opportunities in these sectors



– We provide an extensive network to help foreign companies establish and run their business in Norway

Invest in Norway

Invest in Norway works to attract foreign direct investments to Norway, and to position Norway as an attractive country for investors and talents





«We will increase exports by 50% within 2030!»

Sparing partner for industry

Strong regional partnerships

We shall contribute to the
value creation across the
country

Solve global problems

We shall contribute to a
business community
which solves global
societal challenges

Sustainable growth and export

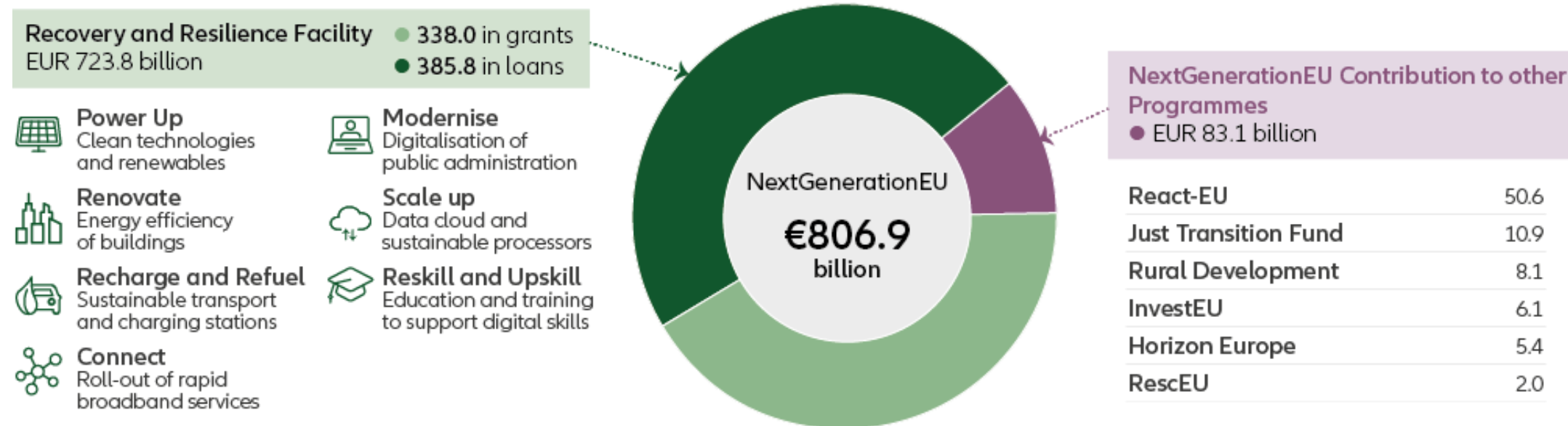
We shall bring the most
qualified companies to
international markets

Norway: funding opportunities

Initiative Description	Funding Amount (in billion NOK)
Enova Strengthening	5.8
Research and Development (R&D)	48.6
- R&D as Share of GDP (excluding Skattefunn)	0.92%
- R&D as Share of GDP (including Skattefunn)	0.98%
Key R&D Initiatives (2024)	
- AI and Digital Security	1 (over 5 years)
- Municipal Health and Care Services	103.7
- National Research Network	140
- Green Transformation Research	40
Offshore Wind Investment	200
- Environmental and Ecological Surveys	118
- Utsira Nord Offshore Wind Area	20
- Expertise in Offshore Wind (Sørlandets Kompetansefond)	10
Additional Offshore Wind Funding	45 (across various organizations)
Green Industry Boost	
- Capital Injection for Nysnø, Siva, and Investinor	3
- Increased Guarantee Limits through Eksfin	10
- Increased Loan Limits through Innovation Norway	1 (over 5 years)
- Grants for Battery Projects through Innovation Norway	1 (over 5 years)

This table summarizes the key initiatives and their associated funding amounts or details in the Norwegian government's proposed State Budget 2024 (*to be approved*)

EU: funding opportunities



Source: AllianzGI

UK | NORWAY

Ambitious green partnership



YORKSHIRE, UK | OCT 2023

World's largest offshore wind farm Dogger Bank - twice the size of New York - produces power for the first time.

“First power from Dogger Bank, is a testament to the collaboration between the authorities, the project partners, suppliers and our host communities to realise this project.”

Anders Opedal, CEO of Equinor, Norway





Fora Form's innovative office furniture fosters engaging meetings

Solution from FORA FORM AS



MOLO offshore floating wind platform lowers risk and costs

Solution from CLOVERS AS



ScanReach maritime IoT platform saves lives on board

Solution from SCANDINAVIAN REACH TECHNOLOGIES AS



ScanReach IoT platform saves lives on wind farms

Solution from SCANDINAVIAN REACH TECHNOLOGIES AS




DP-IoT delivers IoT ecosystem to enable sustainable solutions

Solution from DP IOT AS



DP-IoT delivers multipurpose IoT sensor and edge controller

Solution from DP IOT AS

A photograph of an offshore wind turbine in the middle of a dark, stormy sea. Large, white-capped waves are crashing in the foreground, partially obscuring the view. The sky is overcast and grey. The wind turbine has a yellow base and white blades.

Thank you for your attention!

Hilde Hukkelberg

Director, Innovation Norway - UK & Ireland



WHY SWITZERLAND

What is your motivation?



MARKETS



INNOVATION



PROCESSES



**Sales &
Marketing**



**Research &
Development**



**Operational
Excellences**



**Design &
Branding**



Manufacturing



**Procurement and
Supply Chain**



Location Switzerland: Closely Connected



41,285 km²
area of Switzerland

Berne
Federal City

8.7 million
inhabitants

500 million consumers
Can be reached in one day

4 national languages
German, French, Italian, Rhaeto-Romanic

Why Switzerland



Innovation & R+D

Switzerland has a long history
in fostering innovation



Political & Economic Framework

Liberal Laws and the
independence of Switzerland
enhance Innovation

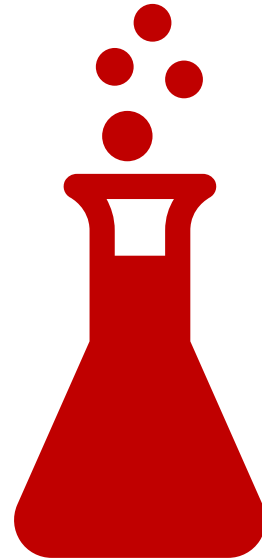


Talent Pool

Bilateral Agreements attract
talent from anywhere

Innovation and R&D

100%



SWISS INNOVATIONS

are all around

YOU!

STARBUCKS: Thermoplan AG near Lucerne makes the coffee machines in each of Starbucks's almost 21'000 shops around the world

SOLAR IMPULSE:
First around the world flight

TESLA: 700 out of 3000 pieces in a Tesla is supplied by Bossard a Swiss family business

GOOGLE: Largest engineering center outside of the US in Zurich

DISNEY: Research collaboration with the Swiss Federal Institute of Technology (ETH) in Zurich



SIRI: Long short-term memory (LSTM)
Developed in Lugano

Innovation Capacity



Table 4 Heatmap: GII 2022 rankings overall and by innovation pillar

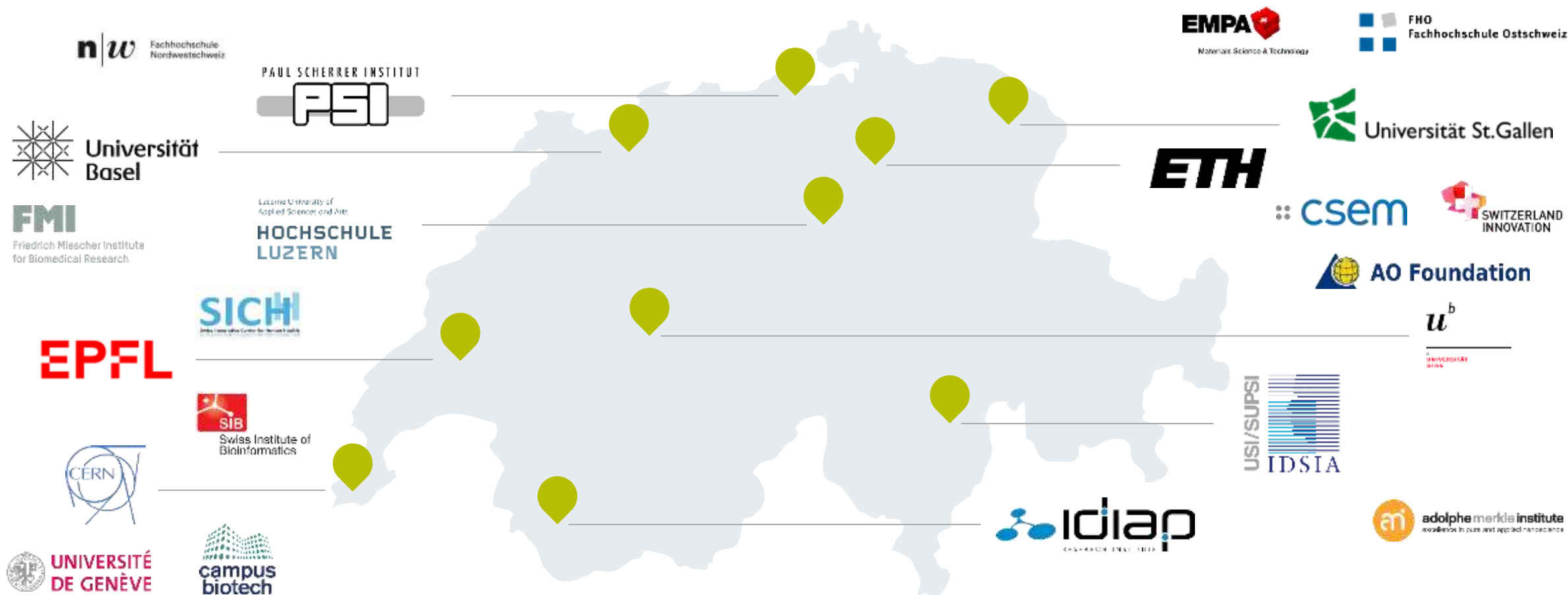
Country/economy	Overall GII	Institutions	Human capital and research	Infrastructure	Market sophistication	Business sophistication	Knowledge and technology outputs	Creative outputs
Switzerland	1	2	4	4	8	7	1	1
United States	2	13	9	19	1	3	3	12
Sweden	3	19	3	1	13	1	2	8
United Kingdom	4	24	6	8	5	22	8	3
Netherlands	5	4	14	14	18	10	5	10
Republic of Korea	6	31	1	13	21	9	10	4
Singapore	7	1	7	11	4	2	13	21
Germany	8	20	2	23	14	19	9	7
Finland	9	11	8	3	17	5	4	18
Denmark	10	9	10	5	15	15	12	14
China	11	42	20	25	12	12	6	11
France	12	18	15	17	10	17	15	6
Japan	13	21	21	12	9	8	11	19
Hong Kong, China	14	10	13	6	2	27	60	5
Canada	15	15	12	30	6	20	24	20
Israel	16	41	24	42	7	6	7	36
Austria	17	8	11	9	38	18	19	26
Estonia	18	12	34	10	3	25	21	24
Luxembourg	19	5	32	40	31	4	33	9
Iceland	20	14	29	22	41	14	22	13
Malta	21	28	42	27	33	16	32	2
Norway	22	3	19	2	28	21	25	30
Ireland	23	16	23	15	55	13	14	29
New Zealand	24	7	18	21	24	31	29	22
Australia	25	17	5	18	20	24	37	27

For the past 12 years, Switzerland has ranked #1 in the Global Innovation Index. [Find out why.](#)

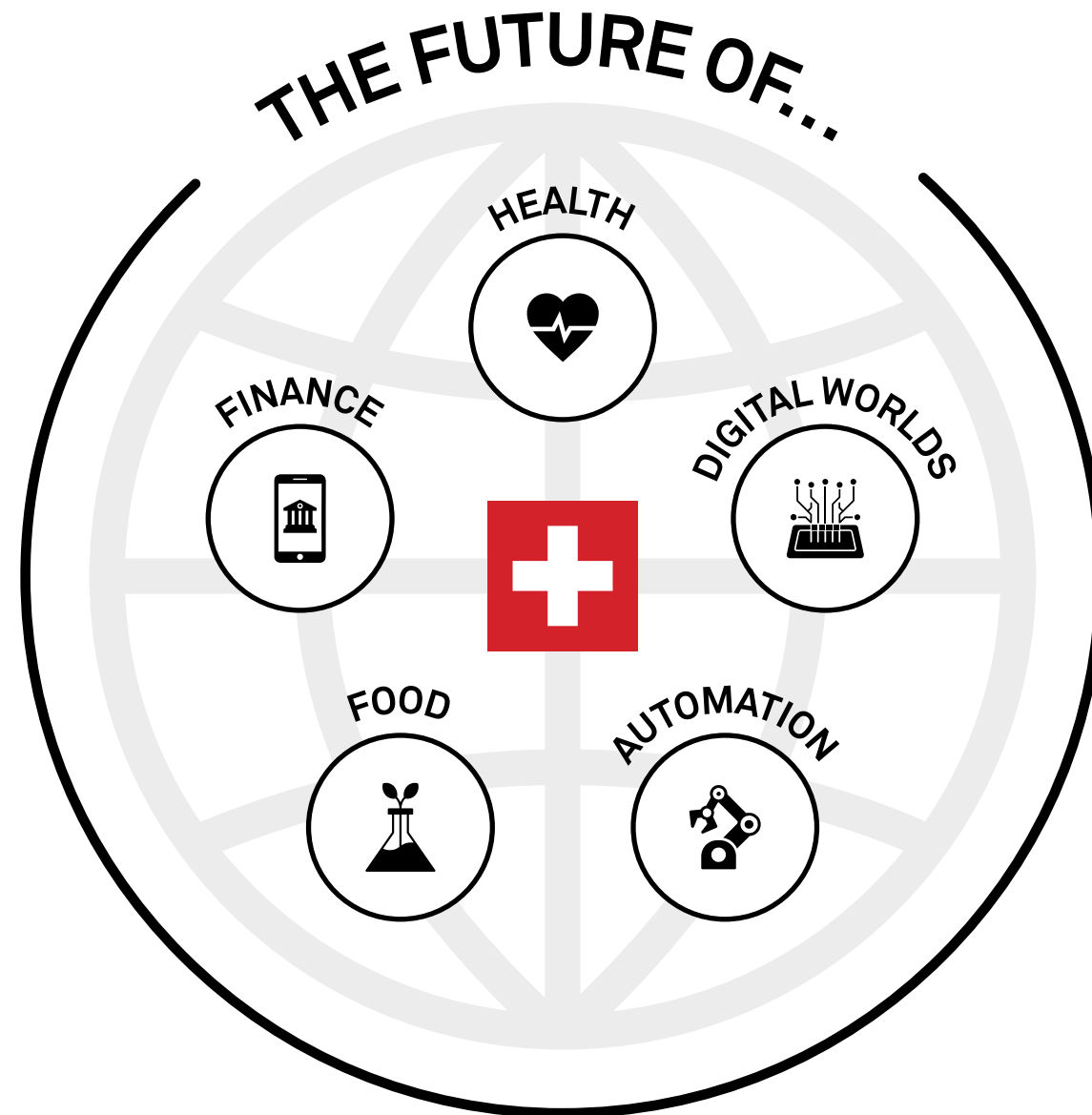
Learn more about AI research and Innovation in Switzerland [here.](#)

Source: [Global Innovation Index 2022](#)

Network of Universities and Interdisciplinary Research



Switzerland's strength in future technologies and ecosystems



Political & Economic Framework



Political and Economic Framework



- Liberal regulations result in low density of regulations and little state intervention
- High transparency and direct lines to government bodies and responsible person
- Liberal labor law with low dismissal costs, competitive effective employer costs and high flexibility in employing and dismissing employees
- International work force, International mindset (25% foreigners / 65 % own a foreign passport)
- No Government Industry Politics
- Pragmatic, business-friendly and technology-neutral approach towards new regulations, with a focus on soft law mechanisms such as standards, guidelines and best practices
- View the interview with Ayisha Piotti from RegHorizon about the Swiss approach on AI regulation ([Part 1](#), [part 2](#))



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Top Talent Pool in Switzerland



The 2022 IMD World Talent Ranking

2022 COMPETITIVENESS RANKING

			Score	
01	Switzerland		100.00	-
02	Sweden		88.65	-
03	Iceland		85.69	↗ 4
04	Norway		85.08	-
05	Denmark		84.91	-
06	Finland		83.83	↗ 2
07	Luxembourg		83.33	↙ 4
08	Austria		82.87	↙ 2
09	Netherlands		81.38	-
10	Germany		80.76	-
11	Canada		77.92	↗ 4
12	Singapore		77.43	-
13	Belgium		76.81	-
14	Hong Kong SAR		76.32	↙ 3
15	Ireland		76.07	↗ 2
16	USA		75.70	↙ 2

Source: [IMD World Talent Ranking Report 2022](#)

- With our bilateral agreements, you can hire top talent from anywhere
- Europe is your talent pool: It is easy to attract top talent in Switzerland as [no visas are required for all EU citizens](#)
- Our highly educated workforce offers a vast and internationally experienced pool of talents
- Very [attractive location for talents](#) with big expat communities
- Swiss education system regularly ranks best in the world
- 7 out of 12 Swiss universities among [global Top 200](#)
- Dual education system provides labor market with highly qualified workforce
- Get an overview of the [Swiss ICT sector](#)

Salary Comparison Europe (Deloitte Salary Study)



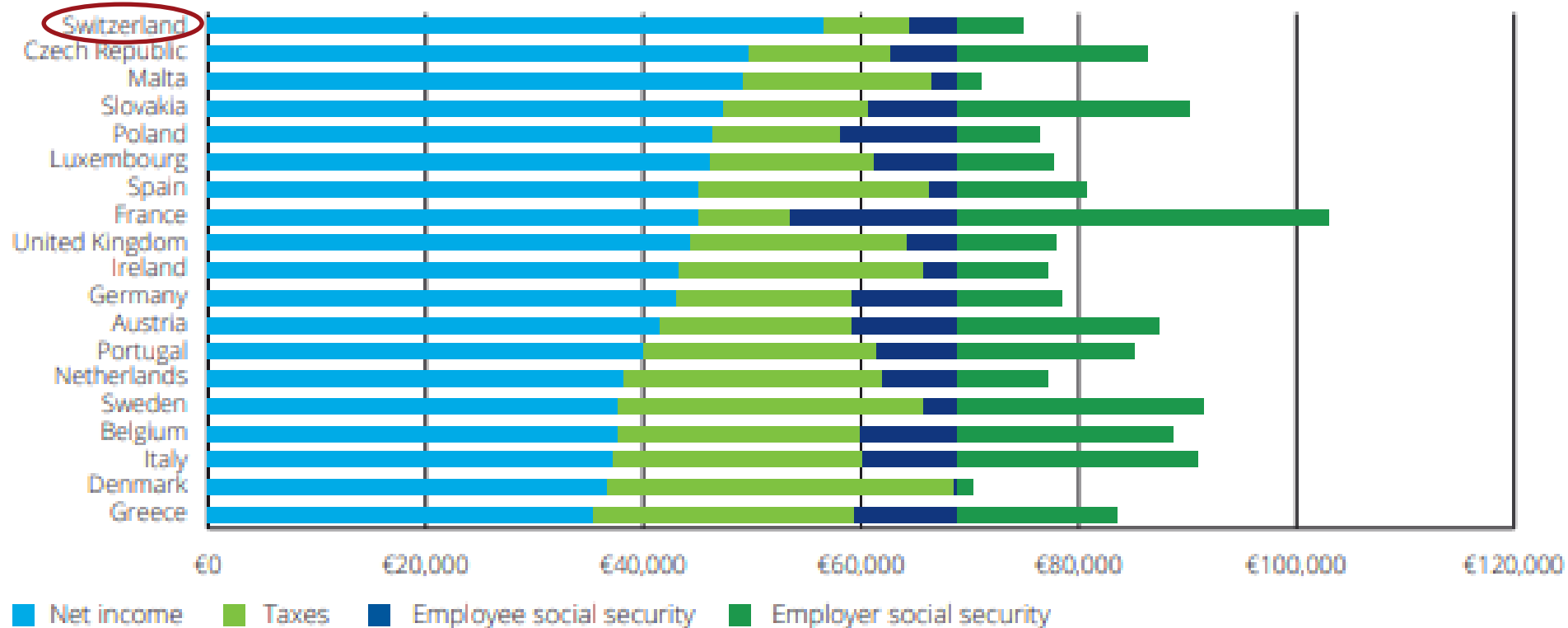
Most expensive countries accross all scenarios and cases, Sorted by employer cost



Salary Comparison Europe (Deloitte Salary Study)



Highest net income across all scenarios and cases - Sorted by net income



What's Next?



Assists in evaluating your short-listed locations



Organize a customized site visit specific to your needs



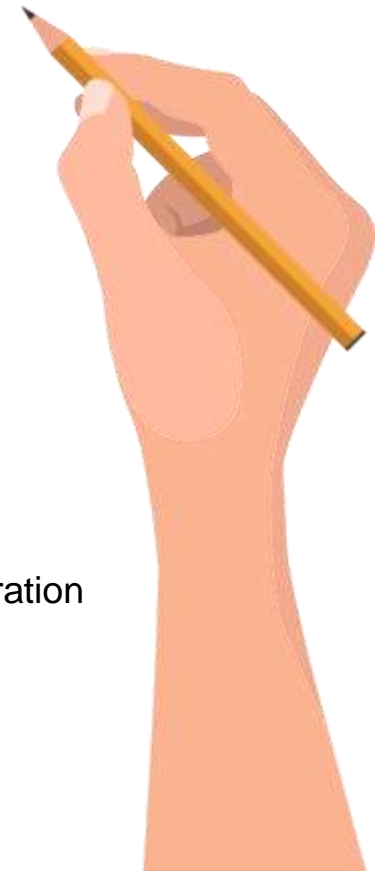
Link you to the local tech ecosystem



Referrals to law firms, tax, recruitment and real estate experts



Connect you to regional and cantonal counterparts for an easy incorporation process



HANDBOOK FOR INVESTORS

HANDBOOK FOR INVESTORS

The handbook provides information on the most important aspects of Switzerland as a modern and innovative business and technology location. It contains information on topics such as economic structure, establishing a company, taxes, innovative technologies, the labor market, work permits, and legal matters.



For further information on Switzerland as a business location, visit the Handbook for Investors [here](#).



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**BUSINESS
FINLAND**

FINNISH ICT INDUSTRY INTRODUCTION

November, 2023
Perry Le Dain



FINLAND EXCELS IN GLOBAL RANKINGS

THE BEST

Business environment
in the world¹

THE BEST

Digital skills
in the world²

THE BEST

Overall quality
of
institutions³

THE BEST

Digital competitiveness
in the EU⁴

THE MOST

FDI Projects
in the
Nordic
countries⁵

THE HAPPIEST

Country in
the world⁶

THE MOST

Stable
country
in the world⁷

THE BEST

1 Digital Economy and Society Index 2022

Human Capital / Connectivity
Integration of digital technology
Digital public services

THE SECOND

Best **skilled workforce**
in the world⁸

THE THIRD

Best **English** skills
in the world⁹

1 Global Innovation Index 2020

2 Global Competitiveness Report 2020

3 World Economic Forum, Global Competitiveness Report 2019

4 European Commission DESI Index 2020

5 EY Nordic Attractiveness Survey 2019

6 UN World Happiness Report 2020

7 The Fund for Peace, Fragile States Index 2020

8 The Economist, Worldwide educating for the future index 2019

9 EF EPI 2020

SOLUTIONS FOR ALL INDUSTRIES

FINLAND OFFERS A STABLE BUSINESS ENVIRONMENT WITH A SECURE AND PREDICTABLE DIGITAL SOCIETY.

Customers of Finnish cybersecurity companies cover business verticals, ranging from the energy sector and heavy manufacturing industry to the telecom sector and municipal infrastructure. Solutions reach from software and hardware products to digital services and partnerships.

Cybersecurity also provides a central supporting role in public and private healthcare and governmental bodies. Research and comprehensive education foster methods and technology to tackle security challenges in organizations.

Source: Company survey on cybersecurity services, Business Finland and FISC, 4/2020

MARITIME



MANUFACTURING



TELECOMMUNICATIONS



HEALTH



DEFENSE AND SECURITY



BANKING AND FINANCE



SMART CITIES



TRAFFIC AND LOGISTICS

CRITICAL INFRASTRUCTURE



BUSINESS FINLAND'S THEMATIC FOCUS AREAS



Digitalization based boost for productivity



Comprehensive health & wellbeing



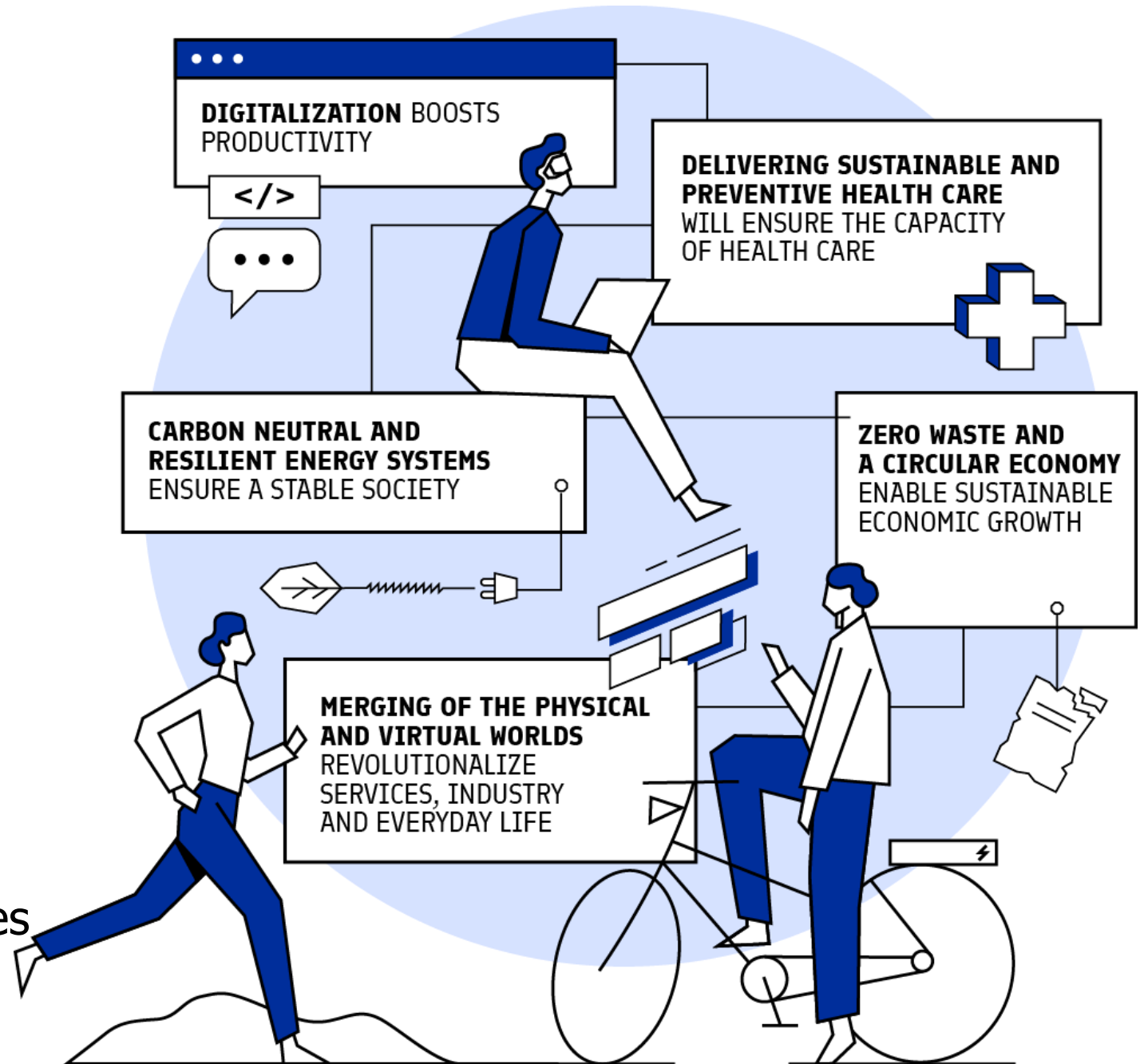
Carbon neutral & resilient energy system



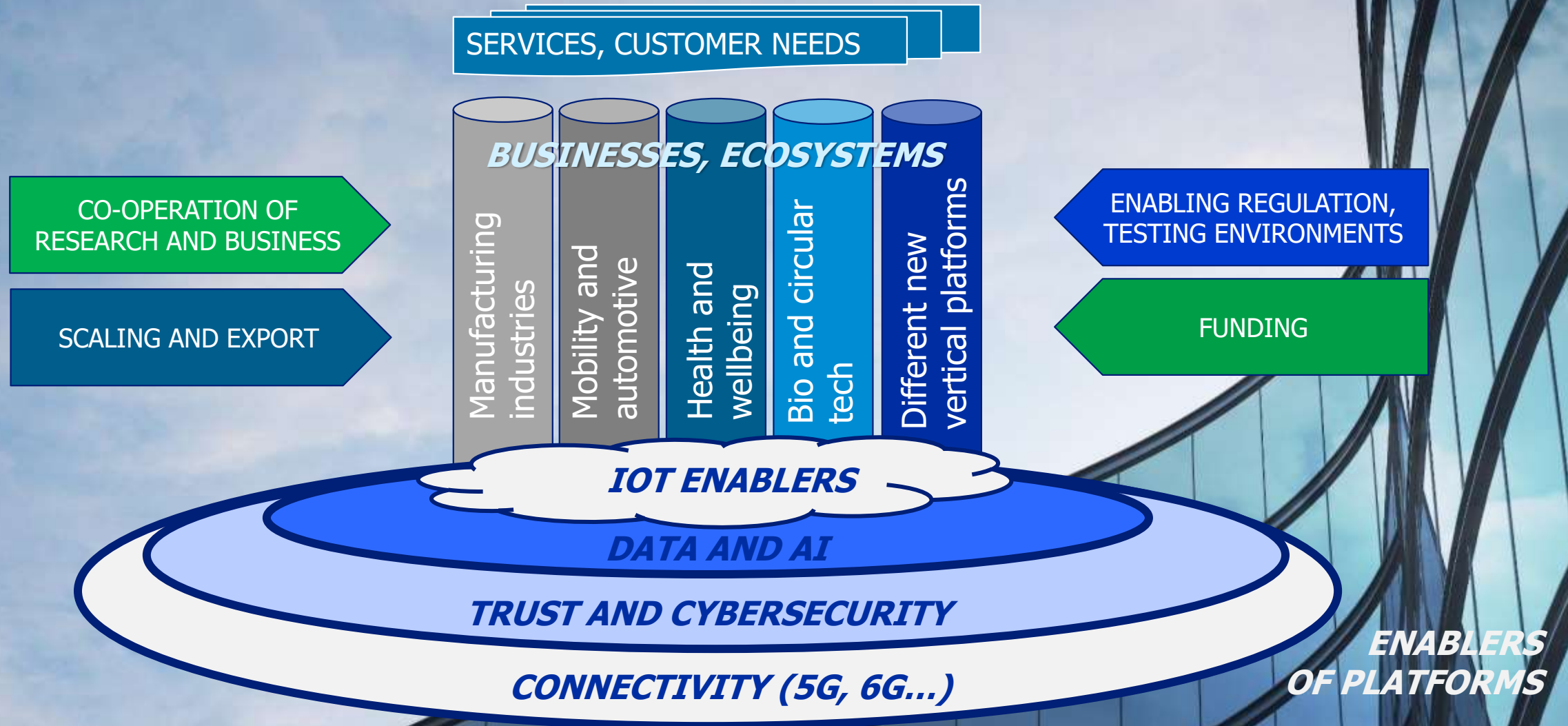
Zero waste & circular economy



Engaging immersive experiences



DIGITAL INNOVATION ENVIRONMENT



FINNISH STRENGTHS IN DIGITAL TRUST

BUSINESS
FINLAND

CRITICAL INFRA PROTECTION

- Protection of critical supply Networks
- Security operations centers
- Common security policy frameworks
- Guaranteed supply availability

TELECOM AND MOBILE SECURITY

- Secure communications Infrastructure
- Secure 5G network
- Secure mobile devices
- 24/7 monitoring and detection capabilities

IDENTITY MANAGEMENT

- Strong authentication
- Digital identity management
- Data access management
- Role-based access control

THREAT DETECTION AND PREVENTION

- Virus and malware protection
- Advanced persistent threats (APTs)
- Nationwide monitoring and early warning systems

INTEGRITY OF FINANCIAL DATA

- Continuous monitoring
- Secure reporting
- System integrity
- Regulatory compliance

PROTECTION OF HEALTH DATA

- Data integrity
- Patient privacy
- Secure data flows

CYBER SOLUTIONS FOR INDUSTRY

- Third-party access management
- IoT and sensor security
- Manufacturing plant control
- Maritime traffic and security control

DEFENSE AND SECURITY

- Secure critical communication
- Situational awareness
- Cryptology
- Anomaly and intrusion detection
- Anti-tamper services

FINLAND TICKS ALL THE DIGITAL TALENT BOXES



237,000
technical IT
professionals

Source: TechSkills Atlas 2021

