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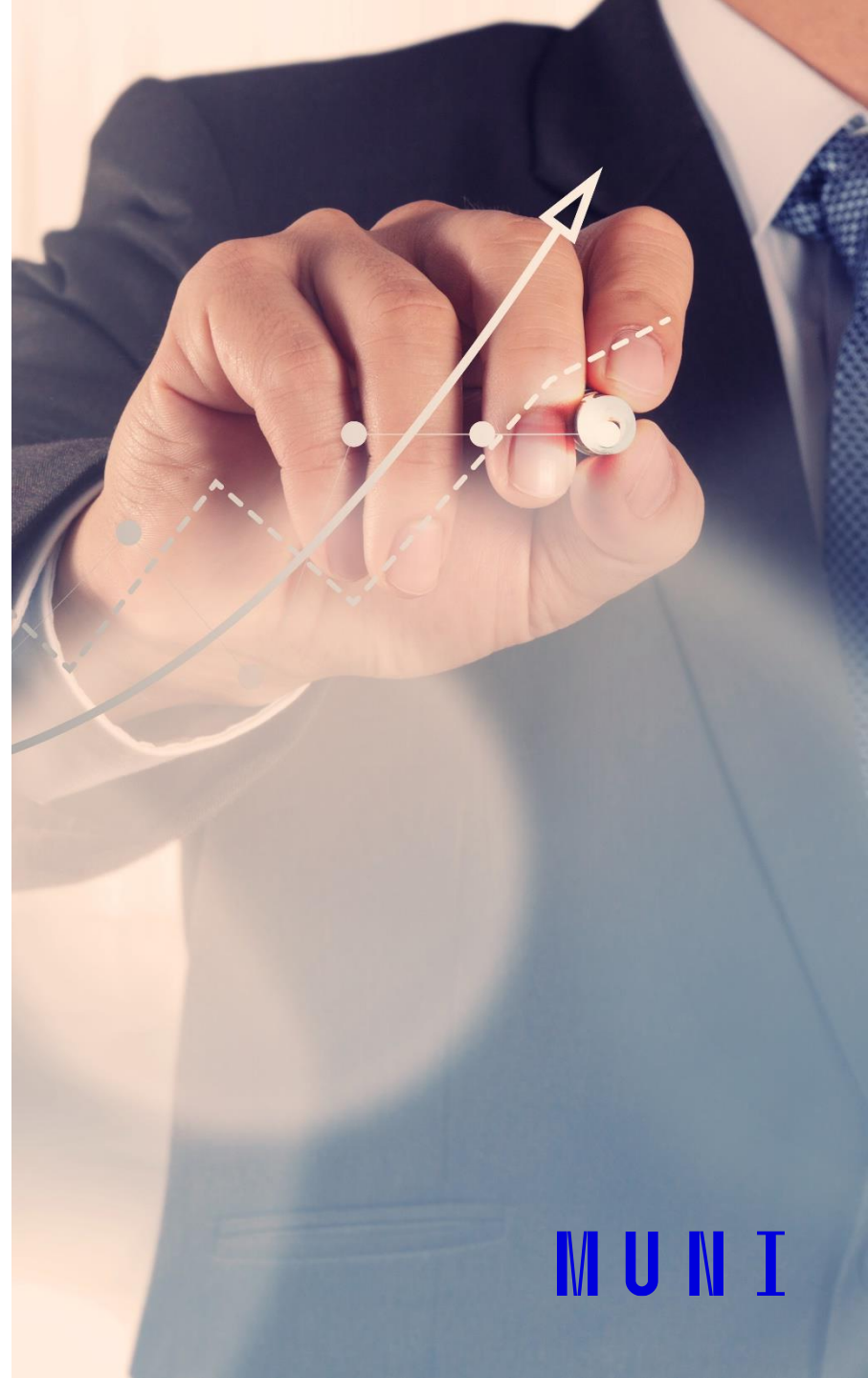
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MU Priorities and Development Goals 2019+

Motto: You should only start if you are committed to following through.

Overall university strategy

- Respond to the changing social environment
- MU progress in the next decade – strategic management skills
 - e.g. the MU Strategic Plan 2021–2027
- MU intends to become the best Czech university and achieve a significant improvement in international rankings by 2030



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The MU strategic project is a component part of the development of the Czech Republic

A shift from an “assembly line country” to an “innovation country” with high economic added value

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How can we accomplish this?

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The Masaryk University strategic project “Innovations for Health and Safety in Society”

Technologies for a healthy society 4.0

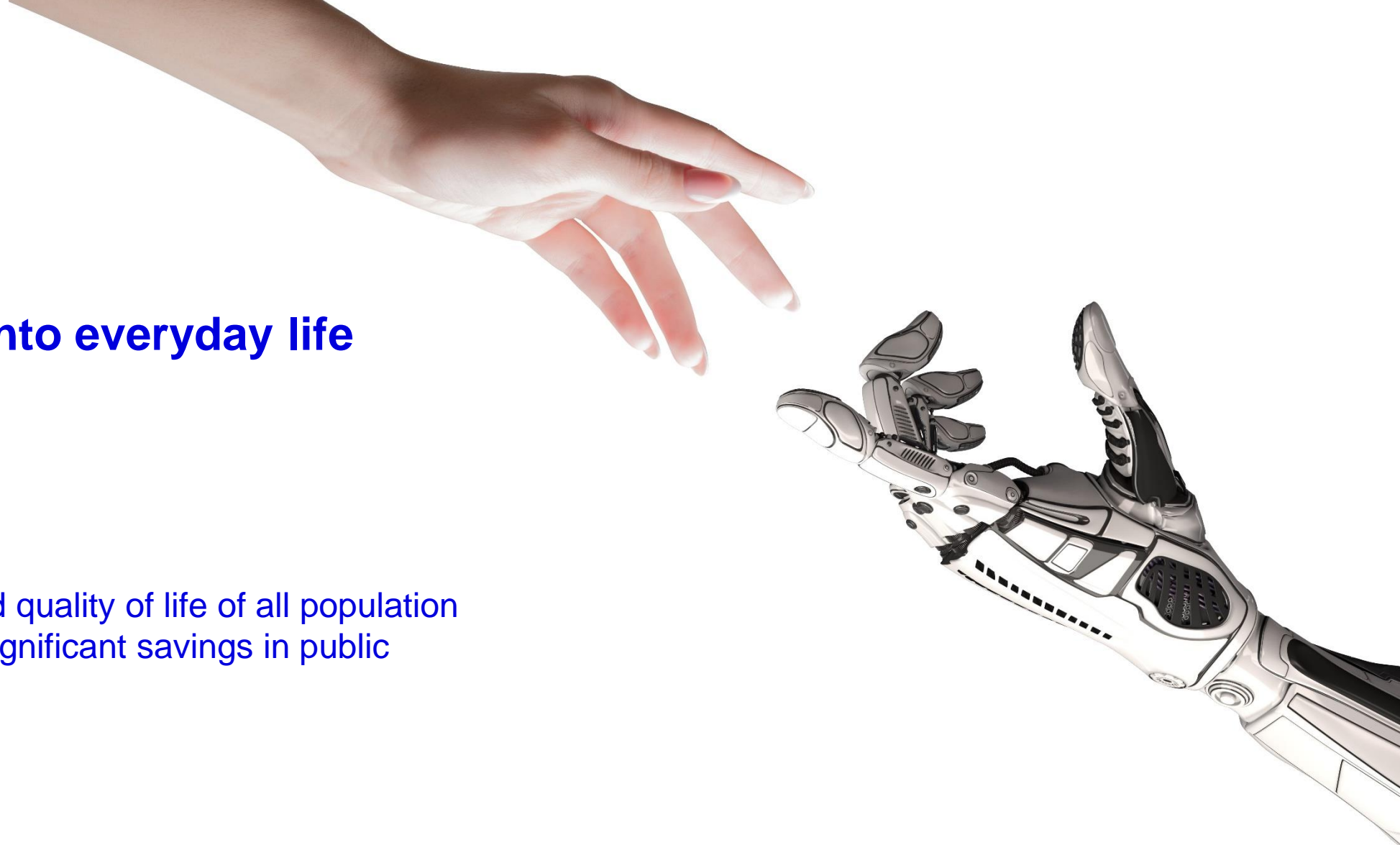


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Incorporating IT into everyday life

Robotisation and AI

Enhancing the health and quality of life of all population groups while achieving significant savings in public healthcare spending



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In line with the ongoing digitisation of the Czech Republic, which improves our everyday life and public services

Public budget savings

For the meeting with the Czech Prime Minister Ing. Andrej Babiš / Professor and MU Rector Martin Ba



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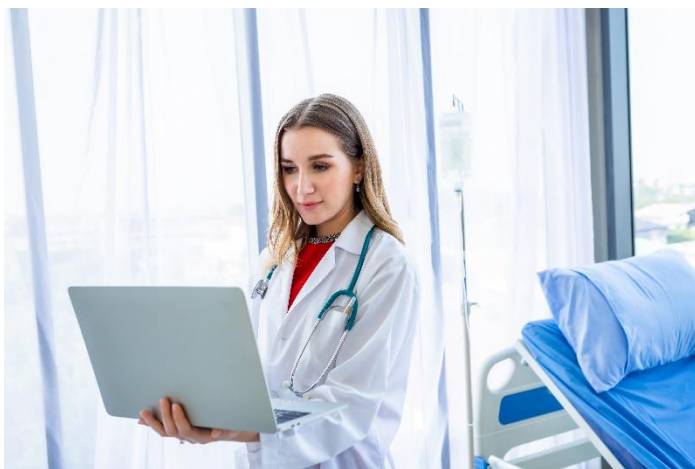
Tackling social, health and economic challenges with a more widespread application of modern ICT

Less expensive and more effective pension systems (that maintain pension levels etc.)

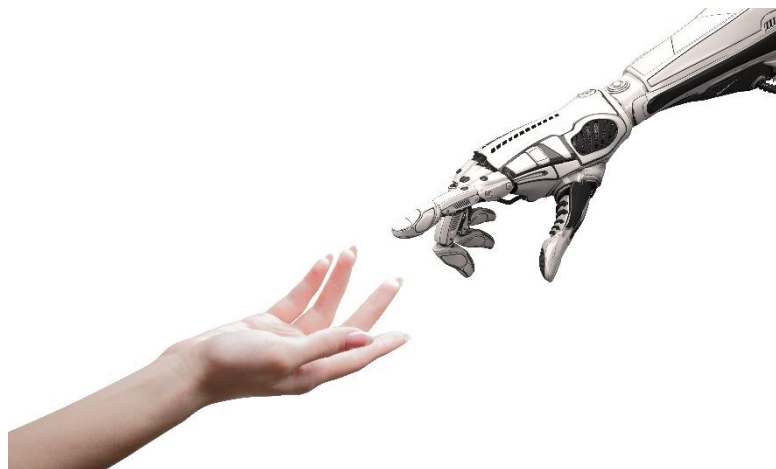
For the meeting with the Czech Prime Minister Ing. Andrej Babiš / Professor and MU Rector Martin Ba



Masaryk University responds to current societal challenges and trends



Changes in funding
health and social
services



Technology trends
such as advanced robotisation
and AI



Socio-economic changes
such as pension reform

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Protecting individual population groups

Improving economic, legal and IT literacy



For the meeting with the Czech Prime Minister Ing. Andrej Babiš / Professor and MU Rector Martin Bareš

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We have a proven track record of following through!

We are the first university in the EU to have three grants awarded from the prestigious Horizon 2020 programme for spreading excellence and have received almost a billion Czech crowns to study the factors affecting human health

Simulation Centre of the MU Faculty of Medicine

One of the largest infrastructure projects to develop key healthcare education programmes in the Czech Republic



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We have a clear vision

To create a national hub that will integrate the options opened up by advanced robotisation and AI in population health, safety and the environment.

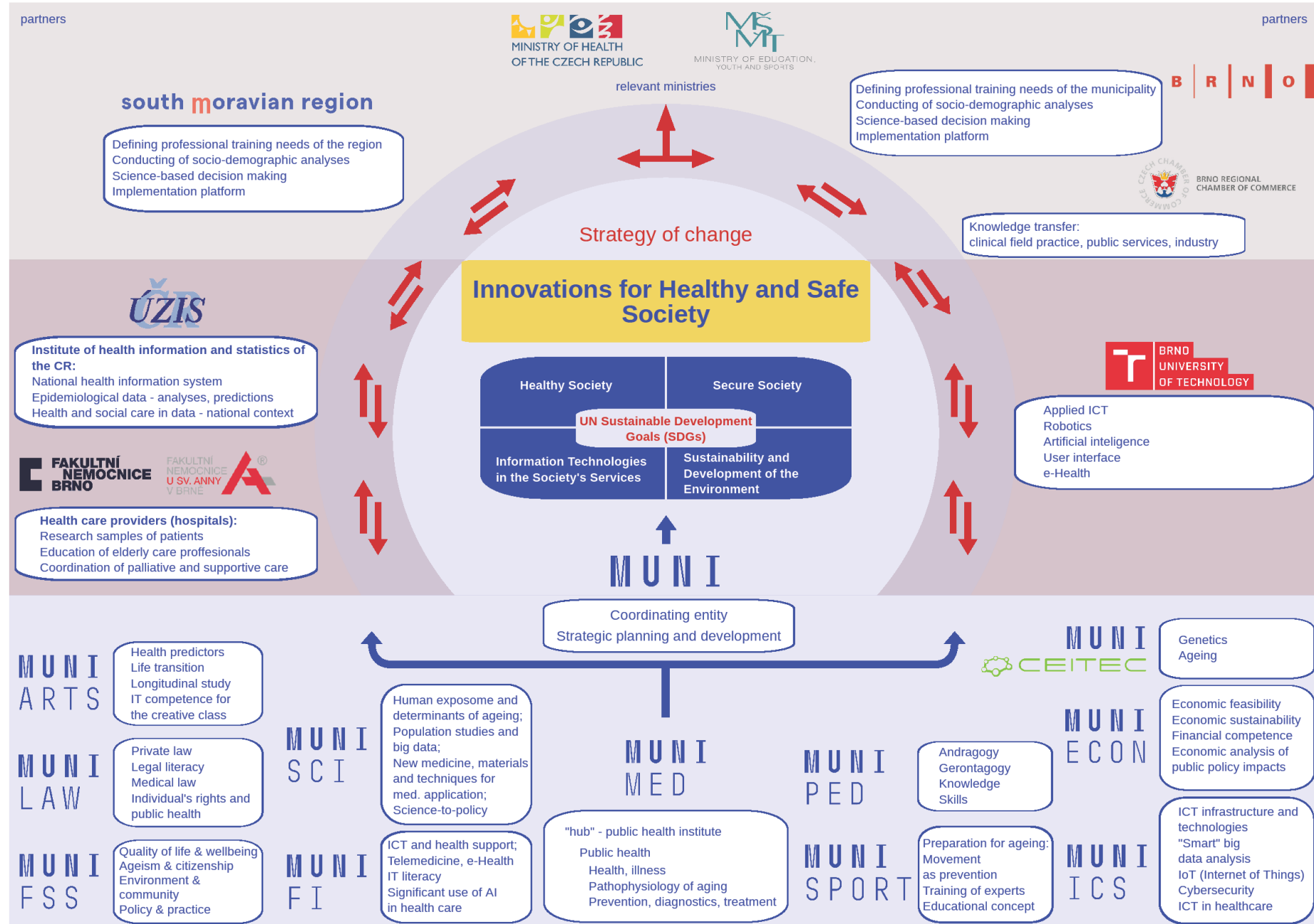


**NATIONAL HUB
FOR ICT AND HEALTH**

- Lékařská fakulta
- Přírodovědecká fakulta
- Ceitec
- Fakulta sportovních studií
- Fakultní nemocnice Brno
- SIMU+ – simulační centrum LF
- IT rezerva

IZS JMK – záchranka

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And we are not alone

We will create a network of strategic partnerships with Czech and international entities

We will involve:

- Other research organisations (Czech Technical University, Brno University of Technology etc.)
- Hospitals and healthcare facilities
- Private sector companies (such as Microsoft)
- Government bodies (Ministry of Finance, Ministry of Healthcare etc.)

Global goal

To create a permanent national response hub focusing on the health and life quality challenges of society 4.0 using ICT, primarily robotisation and AI, which would draw on the existing MU facilities (Simulation Centre of the MU Faculty of Medicine, MU IT Campus) and cooperate with partner organisations in both the public and the private sector

To develop IT capacities for effective public policymaking in cooperation with national government authorities and other stakeholders (international IT companies such as Microsoft) as an extension of our current activities (IT Campus)

To foster a research environment with direct application potential grounded in interdisciplinary collaboration (utilisation of AI in healthcare, interdisciplinary pharmacological and healthcare approaches with application potential at the University Hospital Brno and elsewhere, utilisation of the research findings into the environmental impact on human health)

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Result

The Czech Republic will become
**a European healthcare innovation tiger by utilising advanced ICT to
ensure maximum safety and efficient use of public funding**

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