

**CENTER**  
FOR PHYSICAL SCIENCES  
AND TECHNOLOGY

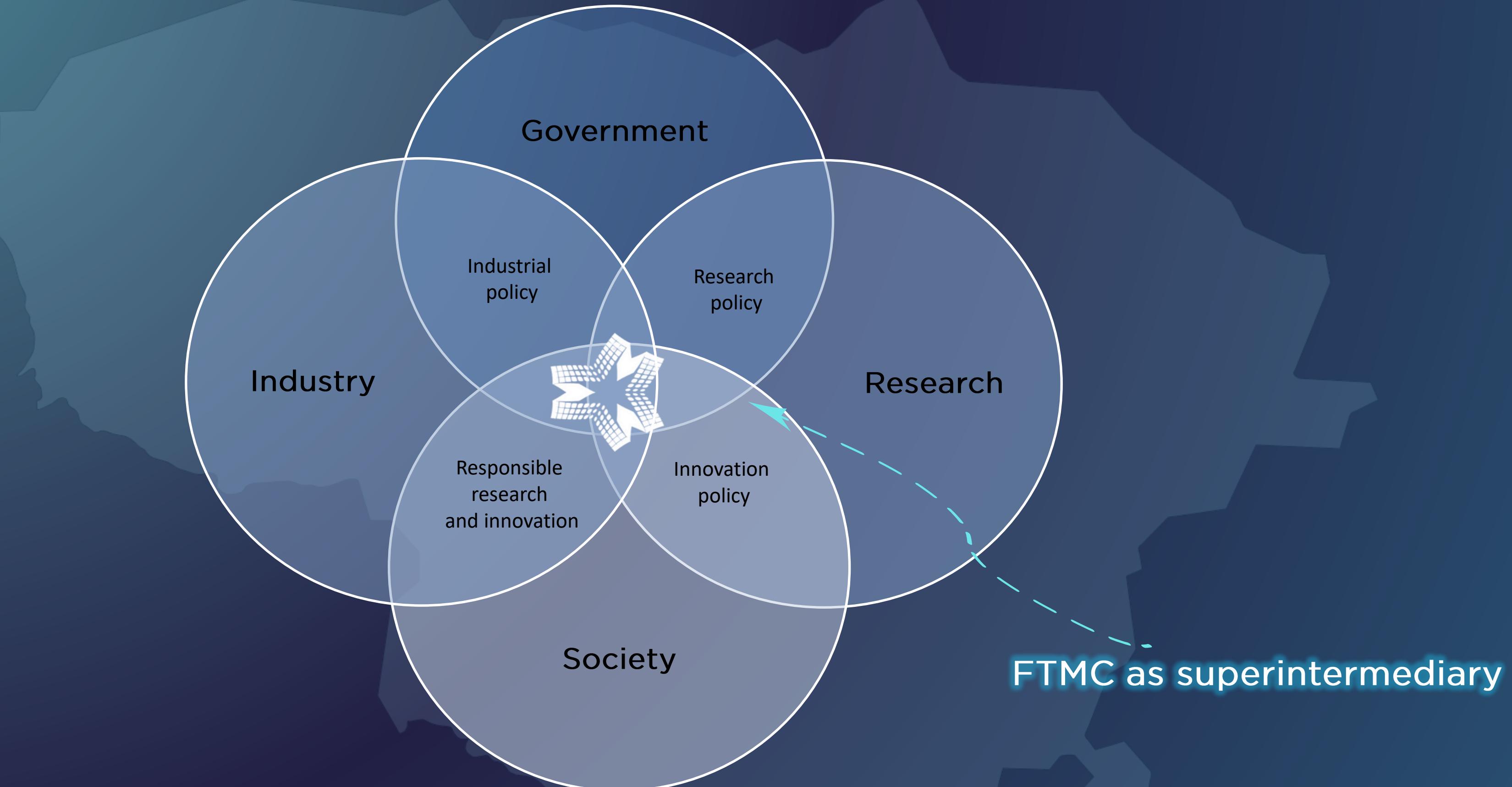
*This document is a translation of the original Lithuanian text.*

# Redefining the Boundaries of Possibility

## Strategic Areas 2025-2035



# FTMC WITHIN LITHUANIA'S RESEARCH ECOSYSTEM



# What matters to us



MISSION: advancing **science-based** innovations and contributing to **technological progress** that benefit **industry, society and national interests**

VISION: **FTMC shapes the future of science and technology** through challenge-based research

# FTMC strategic principle

Challenge-based research  
and innovation



# Strategic objectives of FTMC across various system levels



Enhance FTMC's role at the centre of the European knowledge and innovation system by emphasising partnerships and collaboration

Lead breakthrough research in emerging fields, ensuring that advanced solutions benefit industry, society and national interests

Strengthen and develop research teams with the necessary support



# Strategic objective



Enhance FTMC's role at the centre of the European knowledge and innovation system by emphasising partnerships and collaboration



## Strategic objective

Enhance FTMC's role at the centre of the European knowledge and innovation system by emphasising partnerships and collaboration

Aligning with national and European research agendas and societal challenges

Strengthening international partnerships on complementary knowledge base and technology

Driving action on societal challenges through leadership and innovative perspectives

Systemic approach to solving complex challenges

## Strategic objective



Enhance FTMC's role at the centre of the European knowledge and innovation system by emphasising partnerships and collaboration

KPIs:

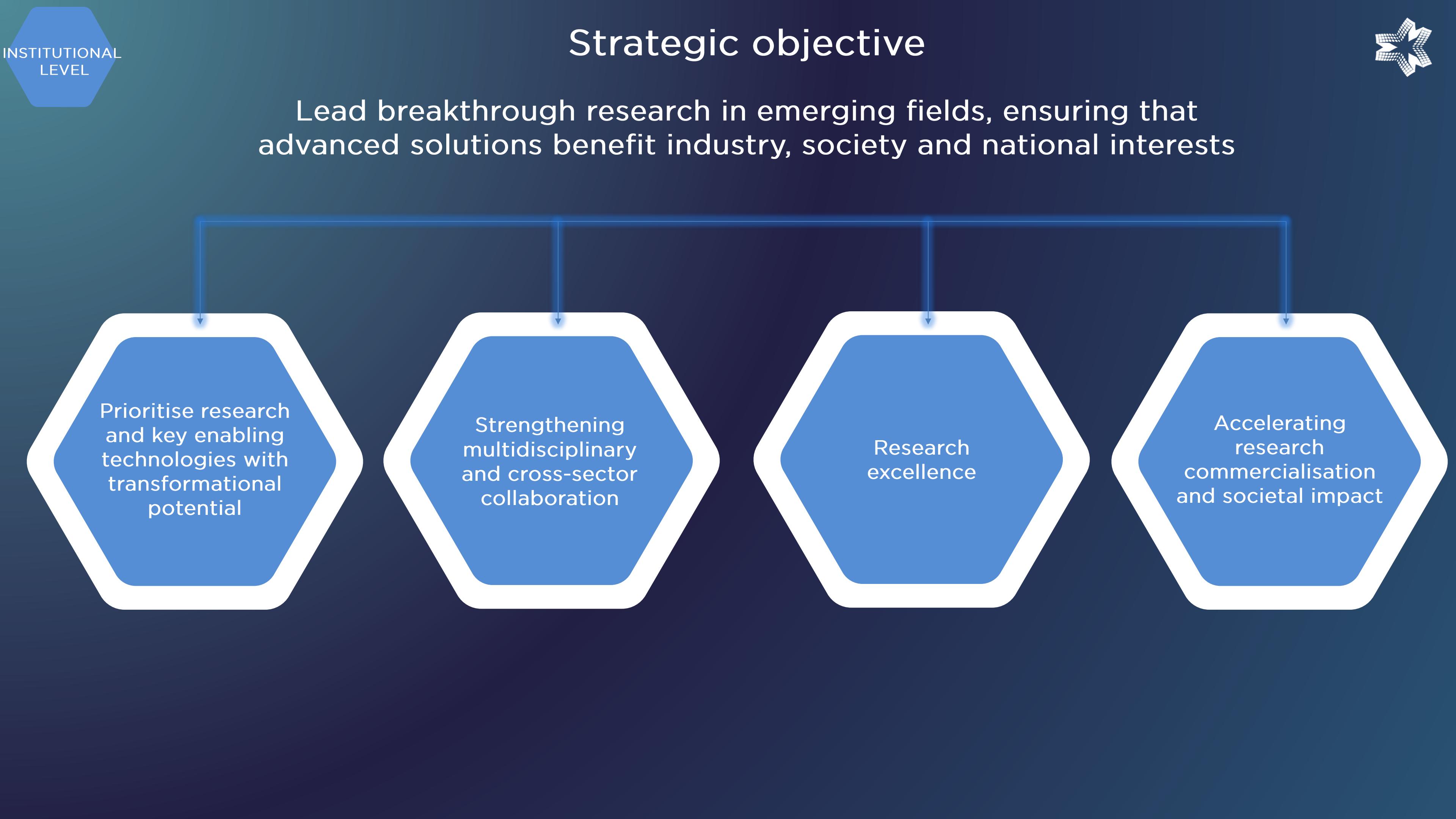
- Higher engagement levels in EU-funded programmes (such as Horizon Europe, EIT, ERC grants)
- Annual growth in European funding share
- Enhanced strategic collaborations with diverse ecosystem stakeholders, including research institutions and national and European policymakers
- Increasing involvement in international networks, partnerships, working groups, expert panels
- Rising number of policy recommendations and advisory contributions



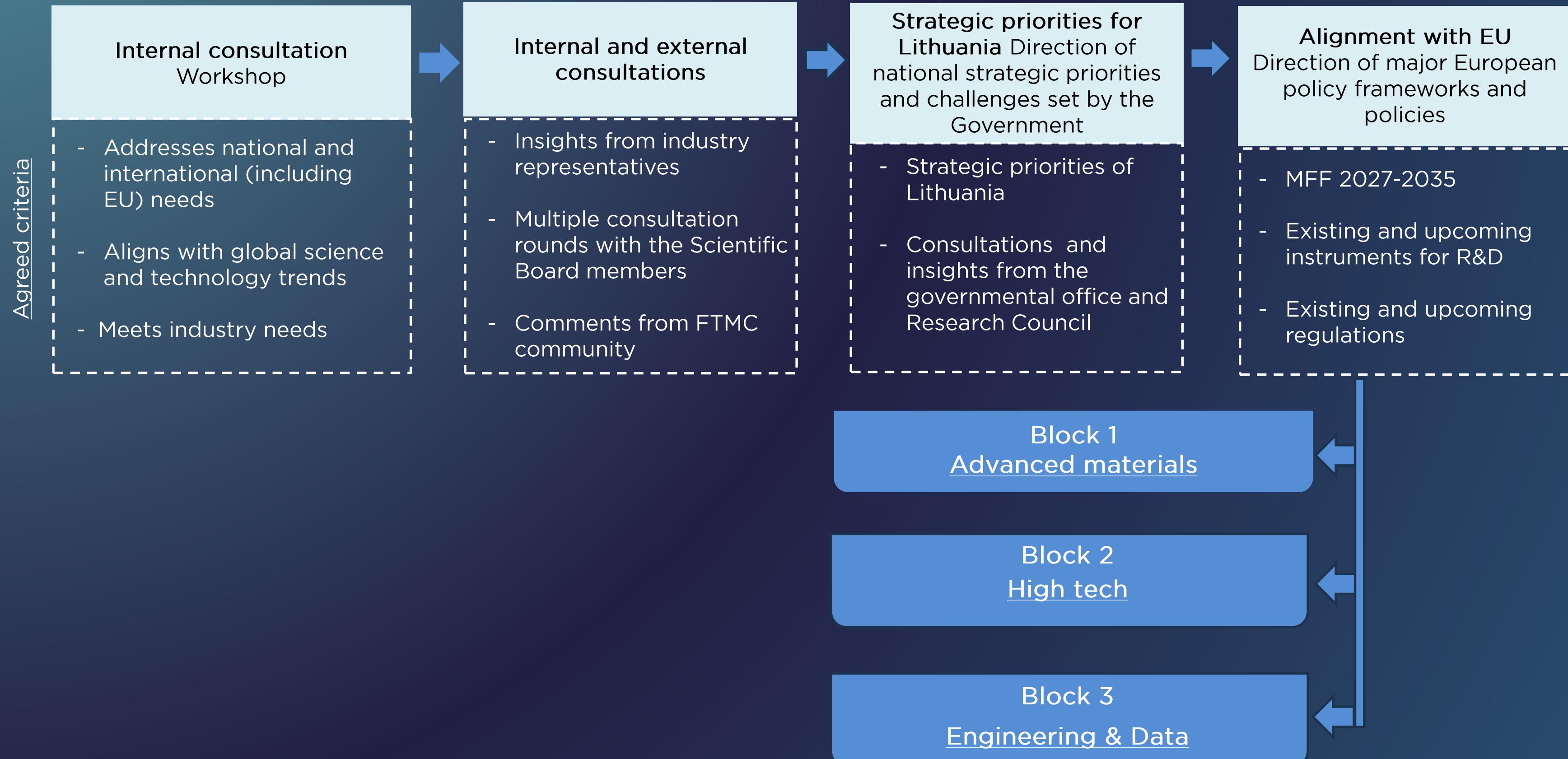
# Strategic objective



Lead breakthrough research in emerging fields, ensuring that advanced solutions benefit industry, society and national interests

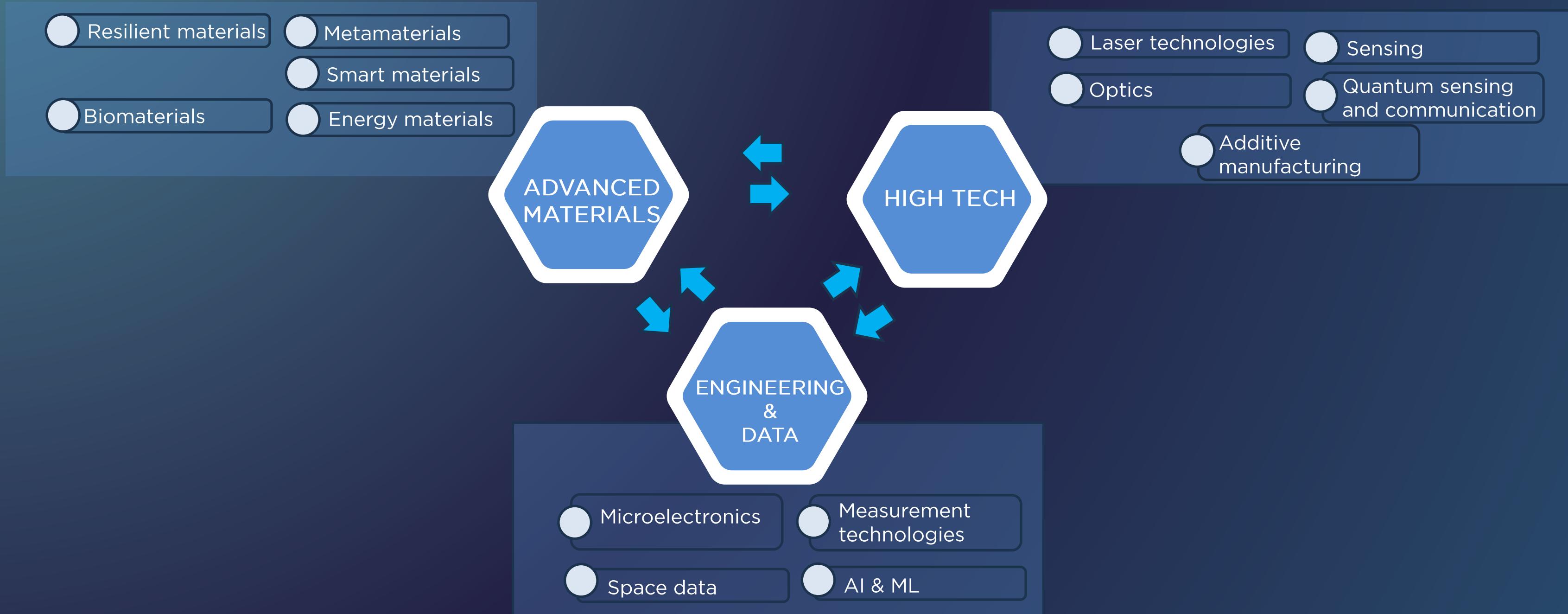


# Process for establishing thematic research directions





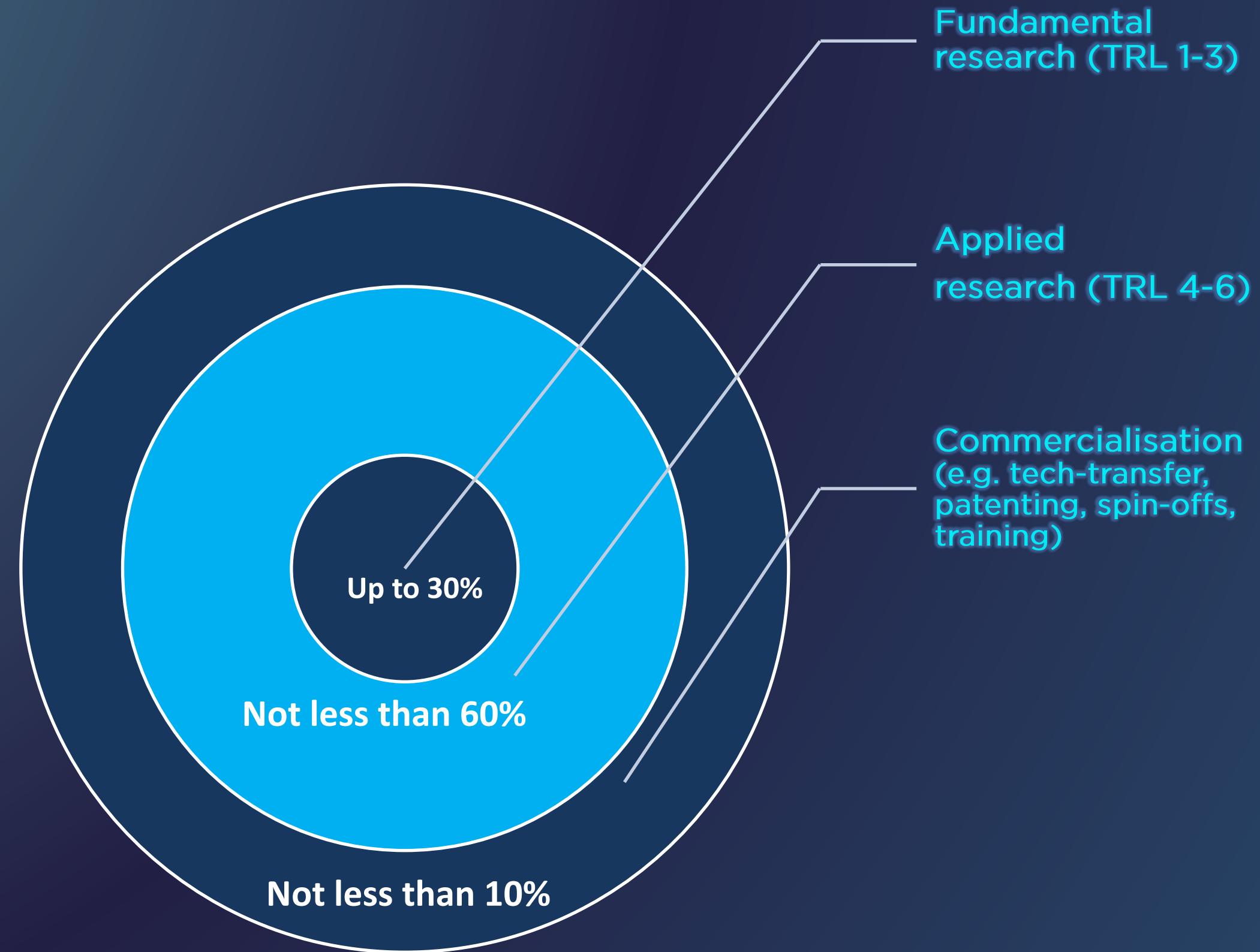
# Research directions



# Focus on application areas



# FTMC activity portfolio





# Strategic objective

Lead breakthrough research in emerging fields, ensuring that advanced solutions benefit industry, society and national interests

KPIs:

- An increasing number of technology licences, patents and established spin-off companies
- Improved metrics in collaborative publications with leading research institutions
- More researchers appointed to international scientific committees and editorial boards
- Increased research projects co-funded by industry and public-private partnerships
- Increased share of publications in high-impact journals



# Strategic objective

INDIVIDUAL  
LEVEL

Strengthen and develop research teams  
with the necessary support

## Strategic objective



Strengthen and develop research teams  
with the necessary support

Talent  
acquisition and  
retention

Researcher  
mobility and  
secondments

Researchers  
performance  
and science  
excellence

Capacity  
building and  
knowledge  
exchange

# Strategic objective



Strengthen and develop research teams  
with the necessary support

KPIs:

- Growing researchers' mobility and international/interdisciplinary collaboration
- Strengthened interdisciplinary research teams established across FTMC units
- Growing participation of researchers in training programmes, workshops, and summer schools
- Increased funding for top-performing researchers based on impact
- Established mentorship and talent development programmes for early-career researchers
- Improved gender balance among research staff
- Proportion of high-impact publications and commercialisation efforts



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