Lithuania

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THE PROCESS: FROM ANALYSIS TO IMPLEMENTATION

1. **Priority field**
   - 6 BROAD PRIORITY FIELDS
     - Analysis of challenges, research potential and structure of economy

2. **Priorities**
   - 20 PRIORITIES WITHIN 6 BROAD PRIORITY FIELDS
     - In-depth analysis in every Priority field + expert panels

3. **Roadmaps**
   - FOR EVERY PRIORITY (TOTAL 20 ROADMAPS)
     - Expert panels + broad survey

4. **Priority implementation plans**
   - DEVELOPED ACCORDING TO ROADMAPS (TOTAL 20 PLANS)
     - Consultation with National expert institutions + implementing ministries
PRIORITIES

Agro-innovation and food technologies
Safer food and sustainable usage of biomaterials
Functional food
Innovative development, improvement and processing of biological raw materials (biorefinery)

Energy and sustainable environment
Smart systems for energy efficiency, diagnostic, monitoring, metering and management of generators, grids and customers
Energy and fuel production using biomass/waste and waste treatment, storage and disposal
Technology for the development and use of smart low-energy buildings – digital construction
Solar energy installations and technologies for using them for the power generation, heating and cooling

Health technologies and biotechnology
Molecular technologies for medicine and biopharmaceutics
Advanced applied technologies for individual and public health
Advanced medical engineering for early diagnostics and treatment

Inclusive and creative society
Modern self-development technologies and processes promoting formation of creative and productive individuals
Technologies and processes for the development and implementation of breakthrough innovations

Novel production processes, materials and technologies
Photonic and laser technologies
Functional materials and coatings
Structural and composite materials
Flexible technological systems for product development and fabrication

Transport, logistics and information and communication technologies
Advanced electronic content, content development technologies and information interoperability
ICT infrastructure, cloud computing solutions and services
Smart transport systems and ICT
Technologies/models for the international transport corridors’ management and integration of modes of transport
AM: MAIN ACTORS

LASER & ENGINEERING TECH CLUSTER (LITEK)

ENGINEERING INDUSTRIES ASSOCIATION OF LITHUANIA (LINPRA)

LITHUANIAN CONFEDERATION OF INDUSTRIALISTS (LPK)

LITHUANIAN ROBOTICS ASSOCIATION
1st REPORT

LITHUANIAN R&D IN INTERNATIONAL CONTEXT

PUBLICATIONS AND PATENTS

POLICY INSTRUMENTS

STATE OF PRIORITIES

FURTHER STEPS

COMING SOON IN ENGLISH
MAIN CHALLENGES

- **LOW INNOVATION OUTPUT**
- **LACK OF RESEARCH COMMERCIALIZATION, SPIN OFFS**
- **NEED FOR R&D DEDICATED SERVICES: TECH. TRANSFER, BUSINESS PLANS, ETC.**

- **HE MAINLY FOCUSED ON TEACHING AND BASIC SCIENCE**
- **NEWLY DEVELOPED INFRASTRUCTURE IS WORKING UNDER CAPACITY**
- **MOST SUPPORT GOES TO SUPERSTARS; LITTLE ATTENTION TO NEW ENTERPRISES AND IDEAS**
POLICY MIX

PROMOTION OF ACTIVITIES OF CENTERS OF COMPETENCE AND CENTERS FOR INNOVATION AND TECHNOLOGY TRANSFER

Capacity building
- Competence development
- Staff costs

Consultancy provision
- Tech. transfer coordination
- Marketing
- Commercialization
- Legal advisory

Commercialization of R&D
- R&D expenses
- Testing
- Prototyping
- Pre-final manufacturing

Participants:
- Institutions of science and education
- University hospitals

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Participants:
- Institutions of science and education
- Companies with ISE as stakeholders
Thank you!

Questions welcome