



# Moldovan-Lithuanian Dialogue on European Integration

**Arūnas Karlonas,  
Agency of Science, Innovations and Technology**

# LITHUANIAN INNOVATION STRATEGY

## **The first large-scale Lithuanian innovation strategy**

Lithuanian summary innovation index should reach  
**the European average in 2020**

- A long-term strategic planning document which sets vision, objectives, goals and results to be achieved in the field of Lithuanian Innovation up to 2020.
- The purpose is to mobilize and manage state resources effectively: to create competitive knowledge economy based on the latest technologies and qualified human resources.

*It was approved by Resolution of 17 February, 2010 of the Government of the Republic of Lithuania.*

# LITHUANIAN INNOVATION STRATEGY

Change of the priorities -

moving from **traditional manufacture** oriented towards **creative** and **intellectual manufacture and services**, creating high added value.

## THE BASE OF INNOVATIVE ECONOMICS

### Innovative traditional industries

- Engineering
- Chemical industry
- Food industry
- Wood, furniture and textiles industry

### High tech

- Biotechnologies
- Lasers and light technologies
- ICT
- Production of electrical and optical equipment

### New economic sectors

- Future energy
- Creative technologies
- Clean technologies
- Wellbeing and wellness

# MITA – NEW INNOVATION FUNDING AGENCY

**Agency for Science, Innovation and Technology (MITA)** is the main governmental institution, responsible for implementation of innovation policy in Lithuania. It is a national innovation funding agency.

MITA was established in 2010 with the aim to foster business and science cooperation and to create a favorable environment for entrepreneurship and innovation in Lithuania.

Our **MISSION** is to provide professional services aiming to foster the development of Lithuanian science, industry and services sectors based on advanced technologies and innovation.

The founders of MITA:



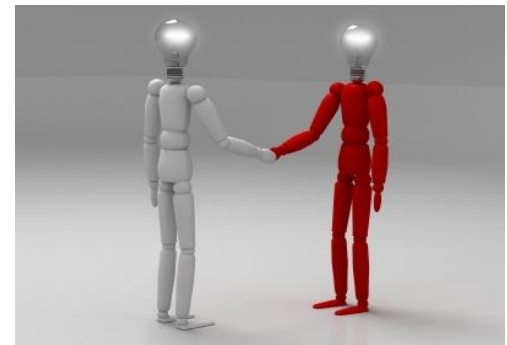
# MITA: SERVICES FOR CLIENTS

MITA provides free services for clients from business, science and public sectors, interested in possibilities to carry out research and innovation projects, develop strong cooperation relations with international partners and get national or EU financial support.

## EVENTS

The special events such as information days, trainings, seminars and etc. are organized for separate target audiences: scientists, entrepreneurs, young researchers, experts, and specialists from different business sectors. The possible topics related with coordinating programmes are various:

- Presentation of calls for proposals,
- Rules of participation,
- Funding and legal issues,
- Proposal/ report writing,
- Project evaluation,
- Project management,
- Presentation of success



# MITA: SERVICES FOR CLIENTS

## **CONSULTATIONS**

- Organization of “One-to-one meeting”,
- “Hands-on support” - covering all stages of the project cycle, especially project writing phase.

## **DISSEMINATION OF INFORMATION**

- Dissemination of information (website, newsletter, leaflets, brochures, media),
- Providing official statistics about Lithuanian participation in research and innovation programmes.

## **PARTNERS SEARCH**

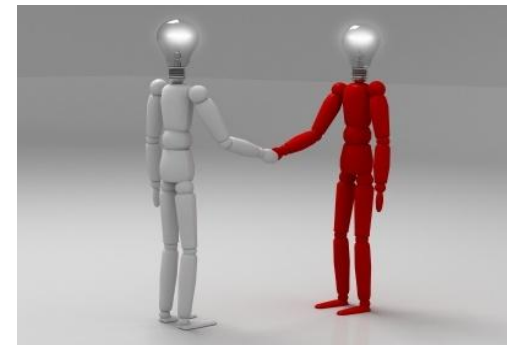
- Assistance in finding partners for research and innovation projects.

## **REGISTRATION OF EXPERTS**

- International experts are invited to perform the expertise of Lithuanian projects in different technology sectors.

## **FINANCIAL SUPPORT**

- Funding and co-funding of national and international projects;
- Reimbursement of travel costs for international brokerage events.



# MITA: KEY RESPONSIBILITIES

## Coordination of national R&D programmes:

- High Technology Development Programme for 2011–2013,
- Industrial Biotechnology Development Programme for Lithuania for 2011–2013.

## Coordination of national initiatives to foster the implementation of innovation:

- Innovation vouchers,
- Industrial property rights,
- Clusterization.

## Coordination of international R&D and innovation programmes:

- FP7,
- EUREKA,
- EUROSTARS,
- CIP (Eco-innovation),
- BONUS,
- BSR Stars (Innovation Express).



# Thank you for your attention!



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# Innovation policy in Lithuania. The main innovation support initiatives

**Ričardas Valančiauskas**  
Innovation Support and Technology Transfer Division

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## Science and technology parks:

- offer favorable infrastructure for the establishment of new innovative businesses in Lithuania;
- serve as a convenient space for business enterprises, scientists and students to combine their knowledge, experience and ideas;
- lead to the development of innovations as well as initiating and implementing numerous business projects.

# SCIENCE AND TECHNOLOGY PARKS

- Sunrise Valley Science and Technology Park
- Kaunas High-Tech and Information Technology Park
- Northtown Technology Park
- Visoriai Information Technology Park
- KTU Regional Science Park
- Science and Technology Park TECHNOPOLIS
- Klaipėda Science and Technology Park
- Panevėžys Science and Technology Park
- Liepiškes Technology Park
- Science and Technology Park of Institute of Physics
- Agriculture Science and Technology Park

*\*Ministry of Economy is one of shareholders*

# FIVE VALLEYS

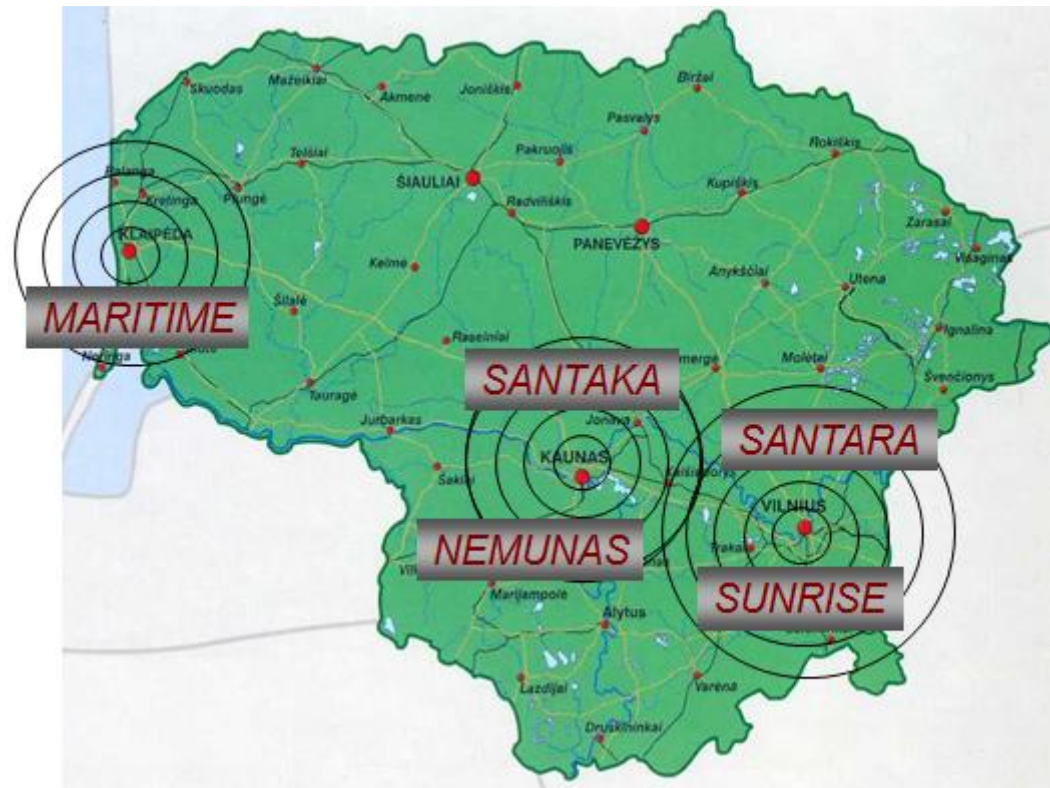
There are five integrated science, studies and business centers (valleys) being developed in Lithuania. They will specialize in different scientific research fields (laser and light technologies, nanotechnologies, semiconductor physics, electronics and organic electronics, civil engineering, biotechnology, bio pharmacy, energy, information and communication technologies etc.).

## Valleys

- Network of R&D centres in 3 largest cities
- Specialization in different scientific research areas
- Great concentration of talent
- Sufficient supply of new office space

# FIVE VALLEYS

- **Santara Valley (Vilnius):**
  - IT Open Access Centre
  - Centre for Life Sciences
  - Centre of Innovative Medicine
  - Nature Research Centre
- **Saulėtekis Valley (Vilnius):**
  - Civil Engineering Centre
  - Centre of Physical and Technological Sciences
  - Laser Research Centre “Naglis”
- **Santaka Valley (Kaunas):**
  - National Open-access Centre of R&D
  - Centre for the Latest Pharmaceutical and Health Technologies
  - National Open-access Centre of Future Energy
- **Nemunas Valley (Kaunas):**
  - Centre of Agriculture and Forest Sciences
  - Communication and Technology Transfer Centre
  - Technology Transfer and Business Incubator
- **Maritime Valley (Klaipėda):**
  - National Centre of Marine Sciences and Technologies



# JOINT RESEARCH PROGRAMMES

Scheme runned together by Ministry of Economy and Ministry of Education and Science

Aim – to create conditions for coordination of implementation of R&D projects financed by EU Structural Funds and other financial sources.

Call for proposals in 2011

25 projects out of 95 proposals receiving 12M EUR



# INNOVATION VOUCHERS

Introduced in 2010 in order to encourage cooperation between business and R&D institutions

222 SMEs receiving more than 700K EUR during the first 3 calls funded from national budget

Funding from EU Structural Funds since 2012:

- 2012 call – 185 vouchers of an amount surpassing 700K EUR
- 2013 call – 173 vouchers of an amount surpassing 700K EUR

# COMMERCIALIZATION OF R&D RESULTS

New initiative established in 2012 seeking to promote commercialization of innovative products, technologies, services.

Up to 20K EUR of public funding for a project.

Two calls launched already:

- 1st call – 13 new start-ups created
- 2nd call – 4 new start-ups created

# PROTECTION OF INDUSTRIAL PROPERTY RIGHTS

A special tool aimed to give financial support for the protection of industrial property rights:

- patents of inventions;
- design registration.

Support is oriented to the acquirement of a **European patent** / a **patent issued under the Patent Cooperation Treaty** and to the registration of a **Community design** / a **design registered under the Geneva Act of the Hague Agreement**.

86 projects funded in 2012, 350K EUR of financial support.

# PROJECT "Technology and Science for Innovative Enterprises"

Project funded from EU Structural Funds

Implemented by MITA and 7 partners (Lithuanian Innovation Centre and 6 science and technology parks)

Project's activities:

- promotion of innovation, R&D knowledge of technology transfer and commercialization;
- assessment of innovative ideas;
- counseling on IP management; etc.

**Result – more than 30 enterprises should be created**

# PROJECT "Fostering Internationalization of Partnership Between Business and Science"

Project funded from EU Structural Funds

Implemented by MITA and 2 partners (Lithuanian Innovation Centre and Enterprise Lithuania)

Project's activities:

- promotion of business and science clusterization and stimulation of the developing of the current clusters;
- promotion of the internationalization of clusters and SME entities to the international clusters initiatives.



Thank you for your attention!

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# NATIONAL R&D PROGRAMMES

Natalija Košeleva

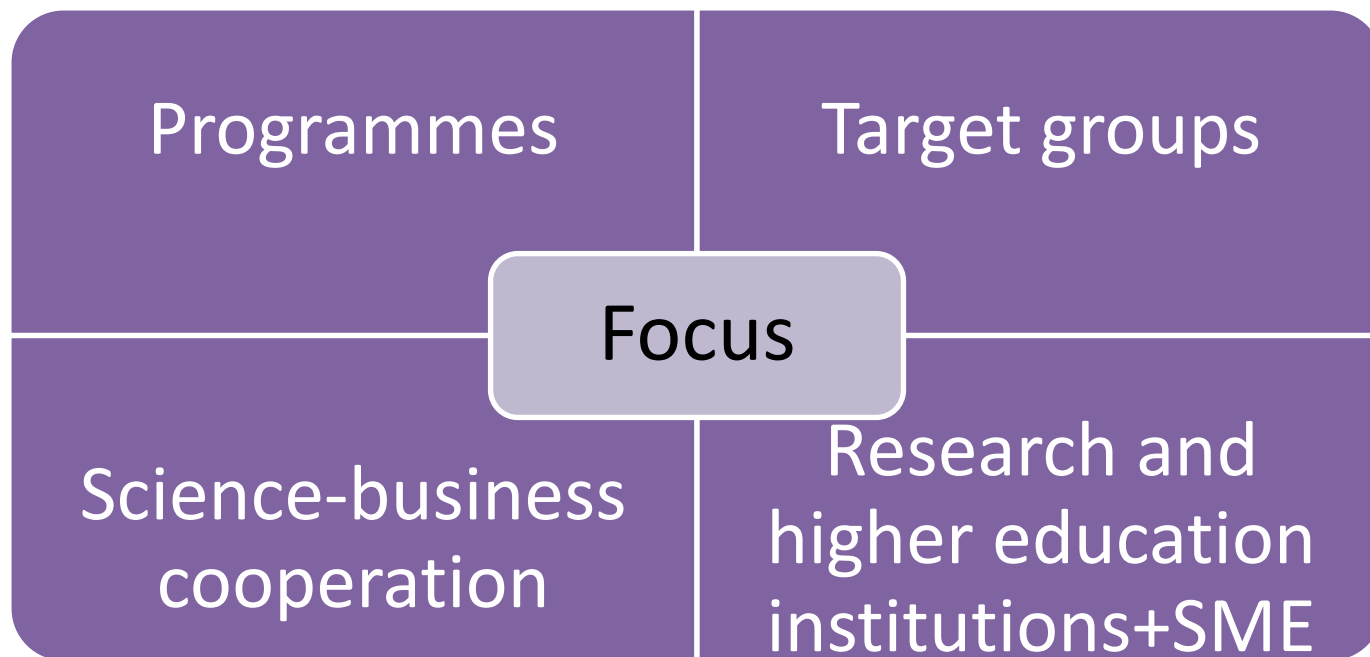
RTD programmes division chief officer  
Agency for Science, Innovation and  
Technology

2013-06-12

[www.mita.lt](http://www.mita.lt)

# Programmes

- Industrial biotechnology development programme for Lithuania for 2011-2013 (*IBD*)
- High technology development programme for 2011-2013 (*HTD*)





# Industrial biotechnology development programme for Lithuania for 2011-2013

The aim of the programme is to accelerate biotechnology industry development in Lithuania.

The programme has 4 major objectives:

- To create materials and products from renewable raw materials using biotechnological methods;
- To create bio-plastics and materials to produce it from renewable raw materials using biotechnological methods;
- To create new biocatalysts and develop its application technologies;
- To create pharmaceutical and veterinary products.



# High technology development programme for 2011-2013

The aim of the programme is to help to develop worldwide perspective high-tech trends with scientific potential, which makes it possible to create new products competitive in a global market.



The main objectives are to develop five technology trends for research and development activities:

- Biotechnology;
- Mechatronics;
- Laser technology;
- Information technology;
- Nanotechnology and electronics.

# Requirements for project performers

- Project performers – legal persons registered in the Republic of Lithuania.
- Not less than **two** project participants have to participate in the project – research and higher education institutions together with economic entities (SME).
- Project performers shall sign the joint activities (partnership) agreement.

# Project coordinator

SME

R&HE  
institution

SME

HTD

IBD

# Funding principals



**The Agency allocates budgetary funding only to those direct project activities which are not funded from other financial resources.**

The maximum financing intensity may reach up to **100 %** of the eligible costs of research and higher education institutions

The maximum financing intensity of SMEs:

up to **75 %** of the eligible costs for industrial research

up to **50 %** of the eligible costs for experimental development

**Application submission**

**Administrative evaluation**

**Application rejection**

**Expert evaluation**

**Application rejection**

**Further evaluation in  
Programme Council**

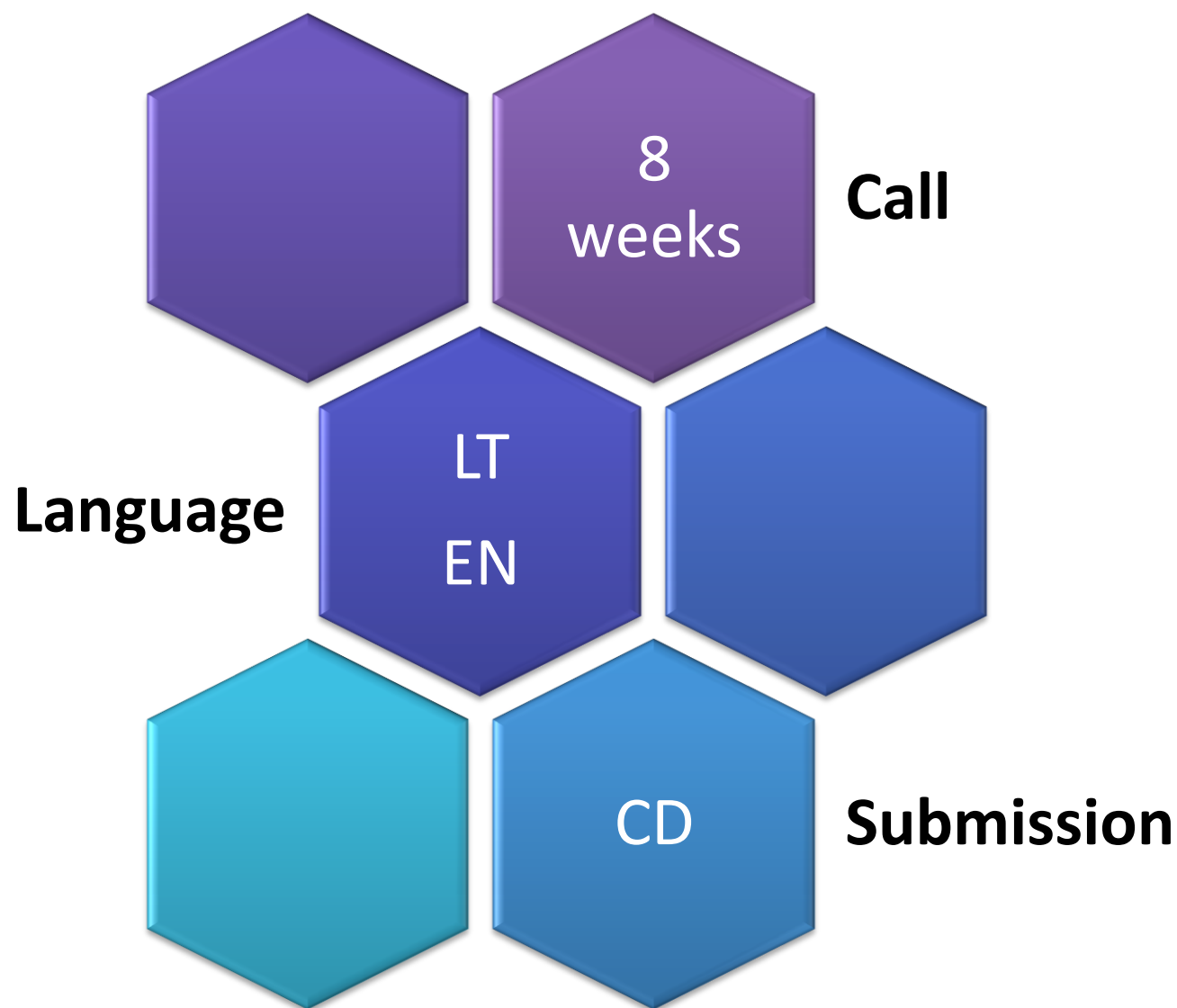
**List of projects**

**Decision**

**Funding contract**



# First step – Call for applications



# Expert groups in MITA

## Technological development committee

- **Technological development committee consists of 5 members from business and science:**
  - Make suggestions on programme council composition;
  - Make suggestions on programmes funding competition priorities;
  - Discuss complaints;
  - Evaluate programmes efficiency and make suggestions on procedure improvement.

## Programmes councils

- **Programme council consists of 7 members from business and science:**
  - Carry out the applications evaluation;
  - Discuss experts conclusions;
  - Make suggestions on list of projects which are eligible for funding;
  - Discuss on expert candidate to be included in Agency's data base.

## Experts

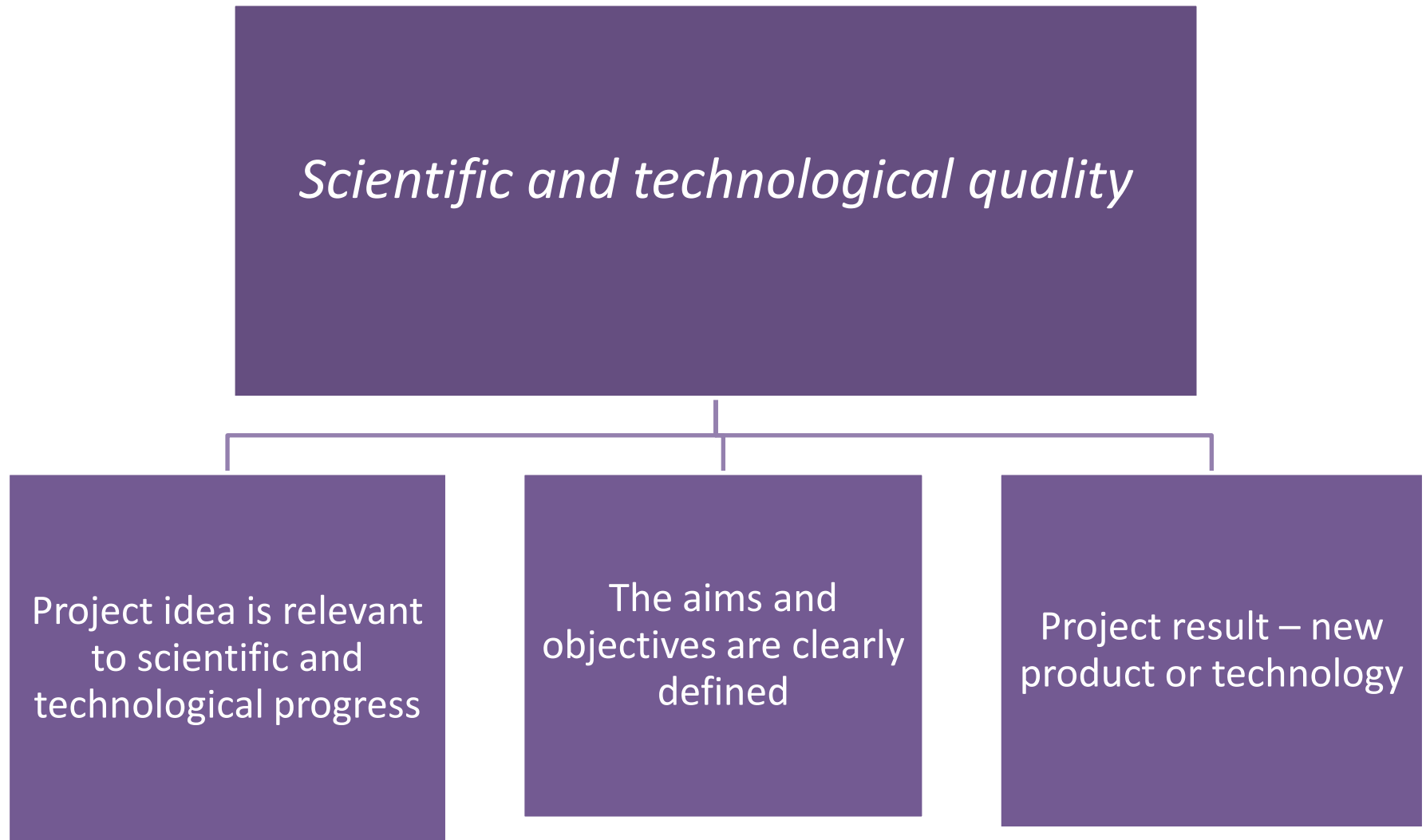
- Evaluates MITA programmes projects, reports (data base consists of more than 300 experts: 24% international experts, 25% experts from business)



# Expert evaluation process



# Project evaluation criteria



# Project evaluation criteria

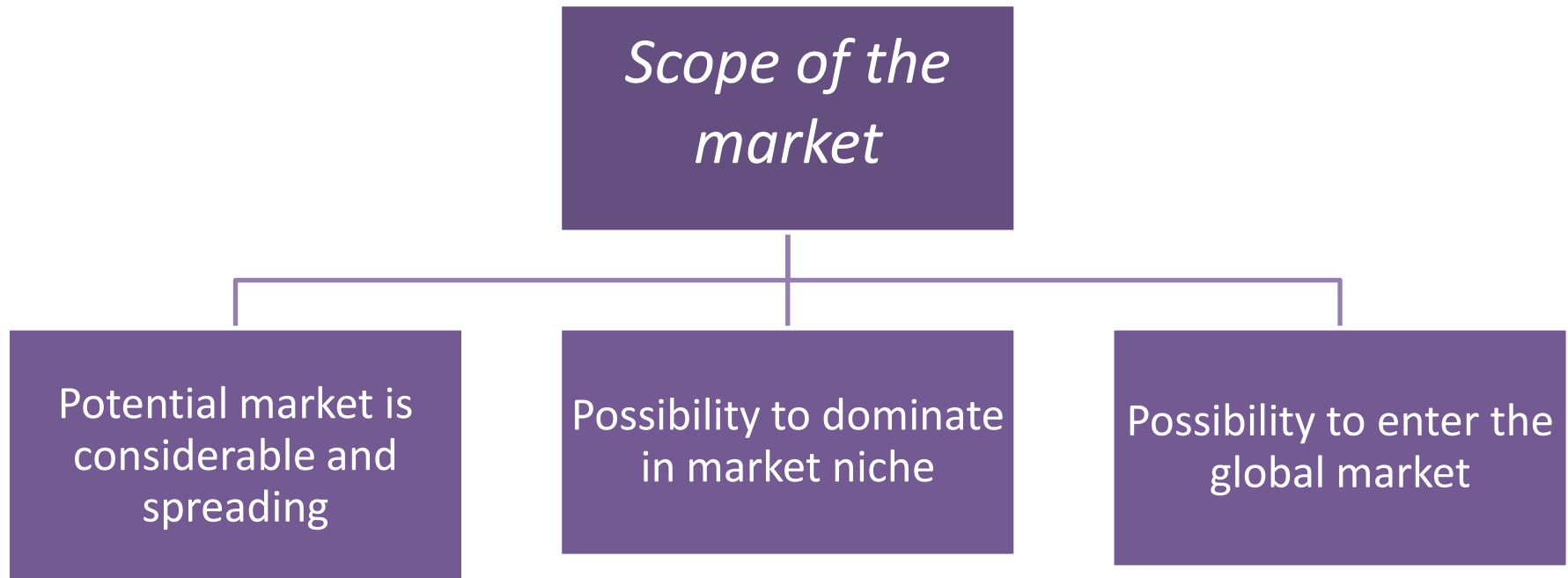
*Project partners collaboration*

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graph TD; A["Project partners collaboration"] --> B["Partners competence and experience"]; A --> C["Partners have clear interests to implement the project and reach the results"]
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Partners competence and  
experience

Partners have clear interests  
to implement the project and  
reach the results

# Project evaluation criteria



# Reports

Project manager every year submits annual report, and at the end of the project – final report.

4 times per year each project partner submits financial reports.

Experts evaluate the report.



## Present situation - Calls

Beginning from the start of administrating programmes MITA had opened two calls for applications:

- 1 call – May 2011
- 2 call – December 2011.

During the second call MITA received **72** applications for High technology development programme (HTD) and **11** applications for Industrial biotechnology development programme (IBD). In total – **83** applications it is 2,5 times more than during first call (33 applications).

## HTD – present

MITA has **24** on-going projects and **6** finished projects.

Projects duration: from 12 to 30 months (only till the end of 2013).

Project coordinator: 19 research institution, 5 SME.

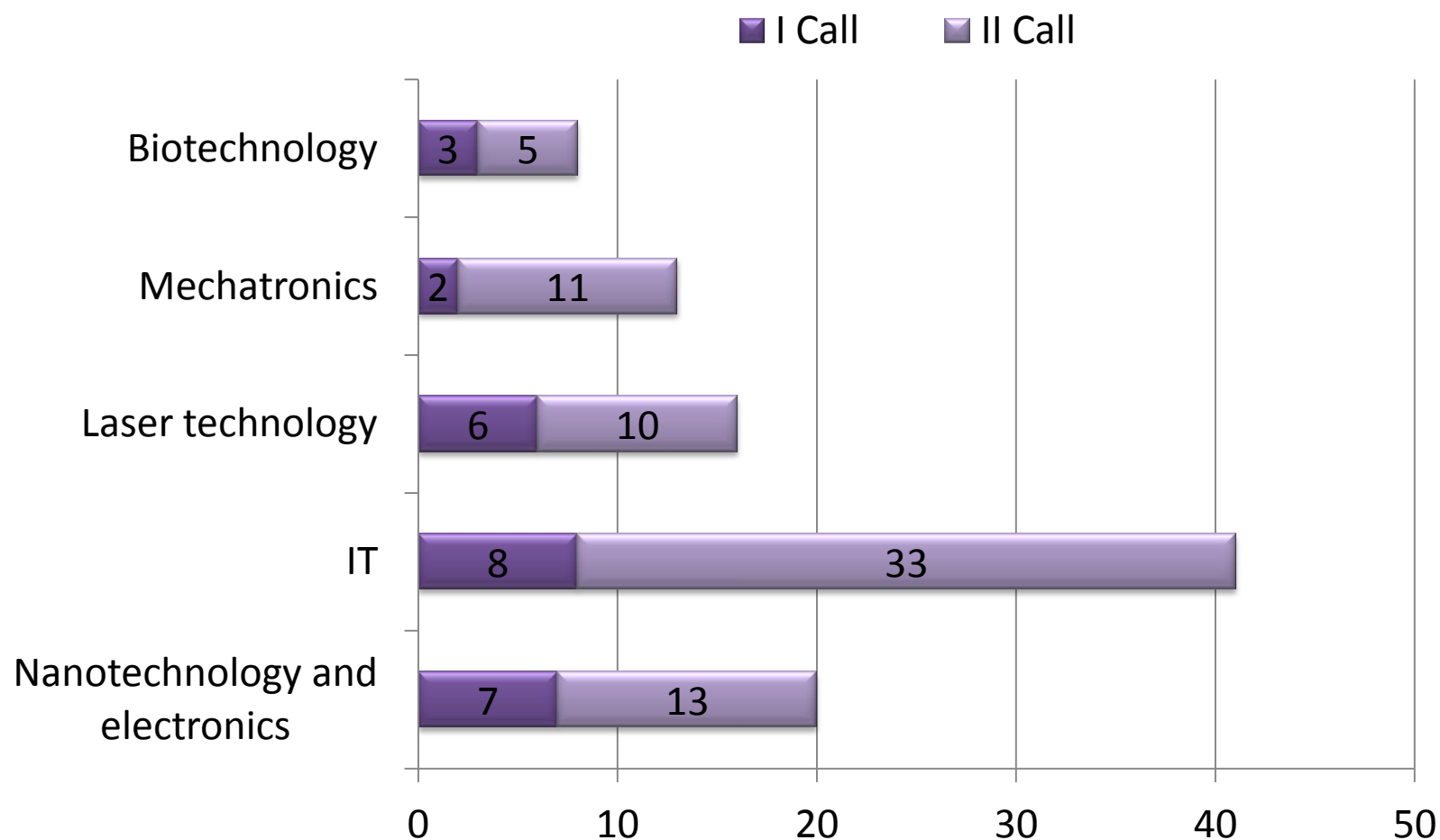
MITA allocated approx. 3,3 M EUR for HTD projects.

Value of the one project is approx. 0,15 – 0,2 M EUR.

Call	Deadline	Projects (received/financed)
1st	May 2011	26/14
2nd	December 2011	72/10

# HTD – projects distribution

**HTD** projects distribution in all technology trends:





## IBD – present

At the moment MITA has **6** on-going projects.

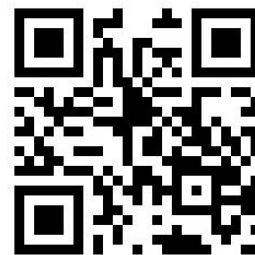
Projects duration: approx. 24-30 months (only till the end of 2013).

Project coordinator - 5 different SME's. Together with SME's 3 different research and higher education institutions participate in the projects.

MITA allocated approx. 0,8 M EUR for IBD projects.

Value of the one project is approx. 0,15 – 0,2 M EUR.

<b>Call</b>	<b>Deadline</b>	<b>Projects (received/financed)</b>
1st	May 2011	7/4
2nd	December 2011	11/2



Thank you for your attention!

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# Lithuanian participation in international programmes

Arunas Berzinskas  
MITA

# 7TH FRAMEWORK PROGRAMME

**FP7** - The Seventh Framework Programme for Research and Technological Development is the European Union's chief instrument for funding of research in Europe covering almost all scientific disciplines.

MITA is responsible for coordination of FP7 themes:

- Health;
- Food, Agriculture and Biotechnology;
- Information and communication technologies;
- Nano science, Nanotechnologies,
- Materials and New Production Technologies;
- Research for the benefit of SME's;
- Regions of Knowledge;
- Energy;
- Transport;
- Security;
- Space;
- EURATOM.



MITA participates in national contact points (NCP) network providing information, consultation, partners search and funding for Lithuanian participants.

# Lithuanian participation in FP7

- 1739 participations from Lithuania in submitted proposals.
- Lithuanian participants in 352 proposals were granted EC financial support of 46,7 M€.
- Average success rate of Lithuanian participants – 20,2 %.
- Consortia partners from UK, Germany, France, Scandinavian countries
- Most successful areas of participation (by EC contribution): Energy, Research infrastructures, Research for SMEs, ICT, Health, Nano

# INTERNATIONAL PROGRAMMES



**EUREKA** - intergovernmental network, aimed to support market-oriented R&D and innovations projects led by industry, research centers and universities across all technological sectors.

Lithuania together with international partners implements 23 projects. The projects are funded by 41 EUREKA member countries, in Lithuania – from EU structural funds.



**EUROSTARS** - is the first European funding and support programme to be specifically dedicated to research performing SMEs.

Lithuania together with international partners implements 9 running projects. The projects are co-funded by the European Commission and 33 EUREKA member countries.

MITA participates in national programme coordinators network providing information, consultation and partners search services for Lithuanian participants. The main task of MITA is to ensure national funding for projects.

# INTERNATIONAL PROGRAMMES



**eco-innovation**   
WHEN BUSINESS MEETS THE ENVIRONMENT

The Competitiveness and Innovation Framework Programme (CIP) supports innovation activities, provides better access to finance and delivers business support services in the regions. MITA is responsible for the dissemination on the Entrepreneurship and Innovation Programme (EIP). Currently MITA provides information on the Eco-innovation initiative.



**BSR STARS**  
Innovation in the Baltic Sea Region

BSR Innovation Express - Trans-National Call for Proposals for the Internationalisation of SMEs through Clusters.



**BONUS**  
SCIENCE FOR A BETTER FUTURE OF THE BALTIC SEA REGION

BONUS – integration of the Baltic Sea system research into a durable, cooperative, interdisciplinary and focuses multinational programme in support of the regions sustainable development.

# HORIZON 2020

- Biggest Research, Development, and Innovation (R&D&I ) funding instrument in EU
- A single program bringing together three separate initiatives (FP/CIP/EIT)
- Coupling research to innovation – from research to retail, all forms of innovation
- Simplified access, for all companies, universities, institutes in all EU countries and beyond



HORIZON 2020



# STRUCTURE AND BUDGET OF HORIZON 2020

## EXCELLENT SCIENCE

- European Research Council
- Future and Emerging Technologies
- Marie Curie actions
- Research infrastructures

~25 B€

## INDUSTRIAL LEADERSHIP

- Leadership in enabling and industrial technologies (ICT, nanotechnologies, materials, biotechnology, manufacturing, space)
- Access to risk finance
- Innovation in SMEs

~18 B€

## TACKLING SOCIETAL CHALLENGES

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

~32 B€

**Proposed budget for Horizon 2020 (2014-2020) - 80 B€**

## OTHER INTERNATIONAL ACTIVITIES

- Lithuanian and Israel cooperation agreement in industrial R&D field
- Participation in international networking activities (FP7 national contact points network, EUREKA national coordinators network)
- Participation in TAFTIE



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