

# Horizont 2020 *2014-2020*

**Work Programme 2014-15**

**NMBP**

*Nanotechnologies,  
Advanced Materials,  
Biotechnology and  
Advanced Manufacturing and Processing*

# Country profile – Slovak Republic

<b>National R&amp;D 2020 Intensity Target</b>	1% of GDP
<b>Total number of participants, total EU financial contribution</b>	450 participants receiving 68 M€ in FP7
<b>Number of applicants</b>	2555 (0.51% of EU-28)
<b>Success rate (EU-28 = 20,9%)</b>	<b>18.1%</b>
<b>Total Population &amp; EU 27 Population Share</b>	5.483.088 (1.1% of EU-28)
<b>Top collaborative links</b>	<ol style="list-style-type: none"><li>1. DE - Slovakia (759)</li><li>2. UK - Slovakia (563)</li><li>3. IT - Slovakia (540)</li><li>4. FR - Slovakia (441)</li><li>5. ES - Slovakia (419)</li></ol>

## SK - Slovakia - FP7 participation (NUT S3)



FP7 Number of participants



## POZNÁMKY ku Horizontu 2020:

- Nový slogan v Bruseli: RE-INDUSTRIALIZÁCIA Európy
- Smútok za vydelením *BASIC RESEARCH* do ERC (stratí sa úzky kontakt medzi výskumníkom a vývojárom v rámci jedného projektu)
- Veľmi silný dôraz na
  - SME (MSP)
  - Finančnú spoluúčasť európskeho priemyslu
  - Impakt projektu
- Posilnenie princípu Bottom-up

## Three priorities:

1. excellent science
2. **industrial leadership**
3. societal challenges

# Indicative breakdown of funding 2014-20

[M€]

<p><b><u>Leadership in enabling and industrial technologies (LEIT)</u></b></p> <p><i>ICT (Photonics &amp; nano and microelectronics*)</i></p> <p><i>Nanotechnologies, Advanced Materials, Advanced Manufacturing</i></p> <p><i>Biotechnology</i></p> <p><i>Space</i></p> <p><i>(KETs*)</i></p>	<p><u>13 781</u></p> <p>7 939 (1 588*)</p> <p><u>3 797</u></p> <p><u>509</u></p> <p>1 536</p> <p>(5 894*)</p>
<p><b>Access to risk finance</b></p>	<p><b>3 538</b></p>
<p><b>Innovation in SMEs</b></p>	<p><b>619</b></p>

# Dôležité novinky

- Projekt treba písať veľmi realisticky. Aby sa skrátily „Time to contract“ na 8 mesiacov → **nebudú žiadne negociácie**. Čiže všetky vaše plány v projekte sa budú brať doslovne.
- Ak je projekt bližšie k výskumu (TRL 3) → všetci majú **100 % financovanie**
- Ak je bližšie k trhu (TRL 7) → priemyselní partneri majú **70%**, ale výskumníci dostanú 100%
- SME môže požiadať o grant na 6 mesiacov – **paušál 50 000 Eur\***

\* To limit the number of applications , the system (EASME when it's up and running) would allow **only one** application each time.

The applicant would receive the answer in three months and it **may re-apply** on the same or different part of Challenge or LEIT parts.

For FAST track the same.

# Technology Readiness Level

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)



# Three priorities:

1. excellent science
2. industrial leadership
3. societal challenges



1. **Health**, demographic change and well-being
2. **Food** security, sustainable **agriculture** and **forestry**, marine and maritime and inland **water** research, and the bioeconomy
3. Secure, clean and efficient **energy**
4. Smart, green and integrated **transport**
5. Climate action, **environment**, resource efficiency and **raw materials**
6. Europe in a changing world - inclusive, innovative and reflective **societies**
7. Secure societies - protecting freedom and **security** of Europe and its citizens

## Other actions (not subject to calls for proposals)

1. External expertise
2. Studies
3. **Inducement Prize** **100 000 – 120 000 Eur**  
**Inducement prize** for the development of new materials and materials-based creative solutions by upstream collaboration between material scientists and designers

Až od roku 2015

Finančné a právne otázky:

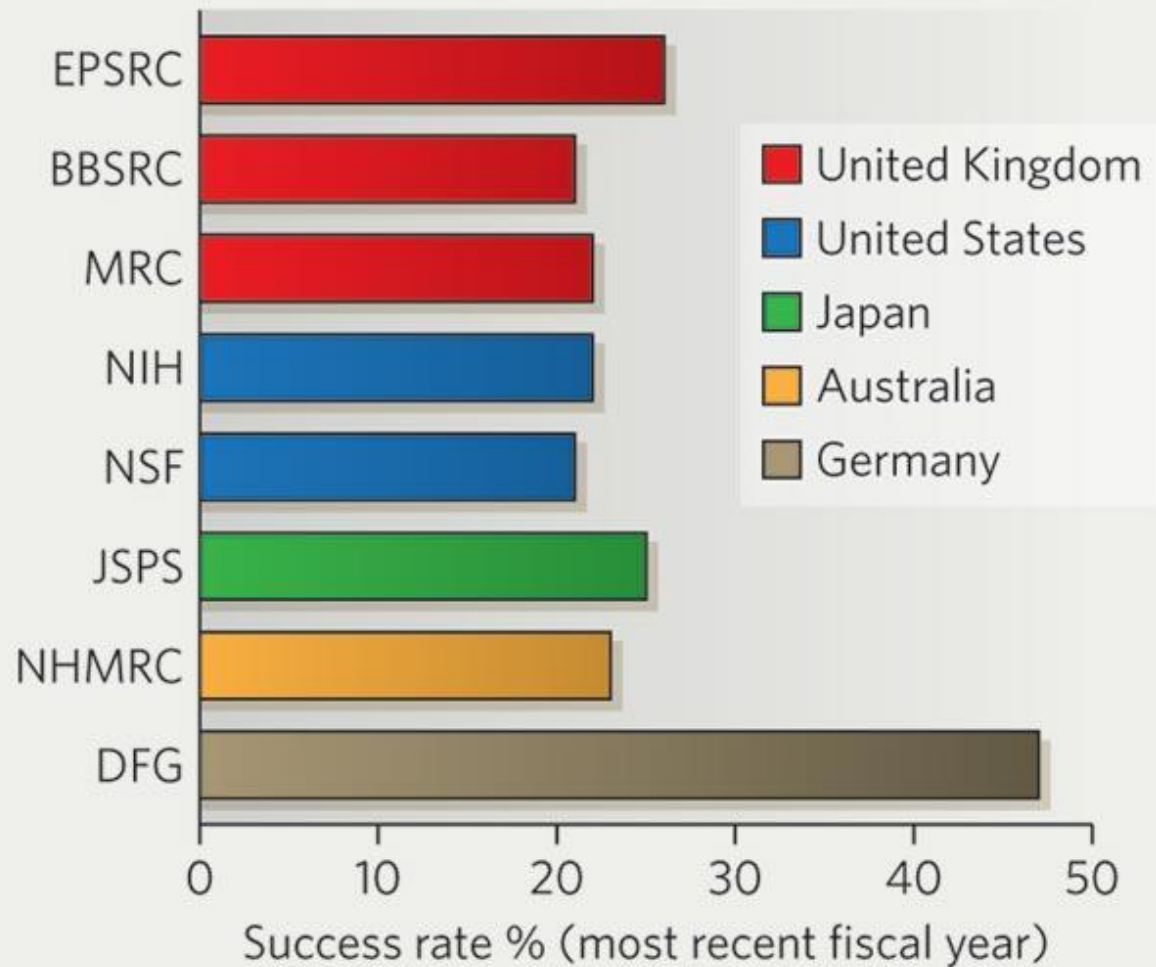
Ing. Peter Beňo

0907 608 918

**Prihláste sa za evalvátorov projektov**

# A COMMON PROBLEM

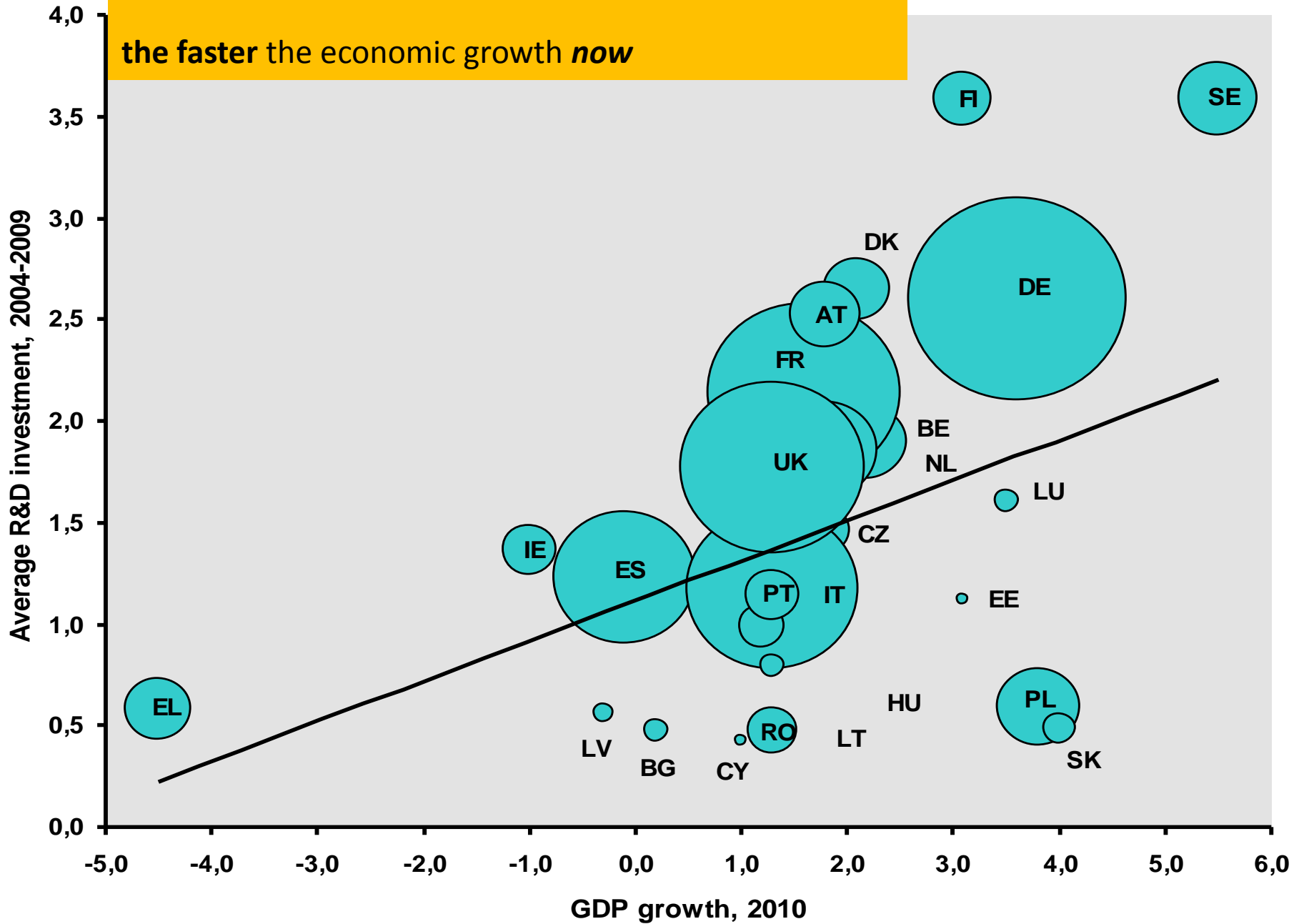
Grant-application success rates have fallen at many science funding agencies around the world.



From top: Engineering and Physical Sciences Research Council; Biotechnology and Biological Sciences Research Council; Medical Research Council; National Institutes of Health; National Science Foundation; Japan Society for the Promotion of Science; National Health and Medical Research Council; German Research Agency.

*Nature 2010*

**the higher the average R&D intensity *in the past*,**  
**the faster the economic growth *now***



Ďakujem za pozornosť

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# Dôležité novinky

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## ➤ Fast Track to Innovation pilot - launched in 2015:

- maximum 5 partners , up to EUR 3 million per project
- **Bottom-up logic**
- Continuously open call with three cut-off dates per year
- Time to grant not exceeding 6 months
- Project will not require Programme Committee approval
- Covering all fields across LEITs and Societal Challenges

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For FAST track the same.

# BUDGET

	2014	2015
<b>NMP</b>	230	<i>254</i>
<b>BIOTEC</b>	48	<i>30</i>
FoF	82	<i>77</i>
EeB	50	<i>64</i>
SPIRE	55	<i>77</i>
SILC II	25	
Contribution to <b>WASTE-2014/2015'</b>	5	
Contribution to <b>ICT-2014/2015'</b>	9	
Contribution to <b>BG-2014/2015'</b>	4	
<b>Estimated total budget</b>	<b>516</b>	<b><i>515.20</i></b>