

Experiences and Perspectives of European Research and Innovations at Kaunas University of Technology

Prof. Eugenijus Valatka

2019-09-14, Budapest

Horizon 2020 (H2020)



HORIZON 2020

SUMMARY OF H2020 projects in Lithuania (2014-2019)



326 signed grants – 1,33 % of H2020

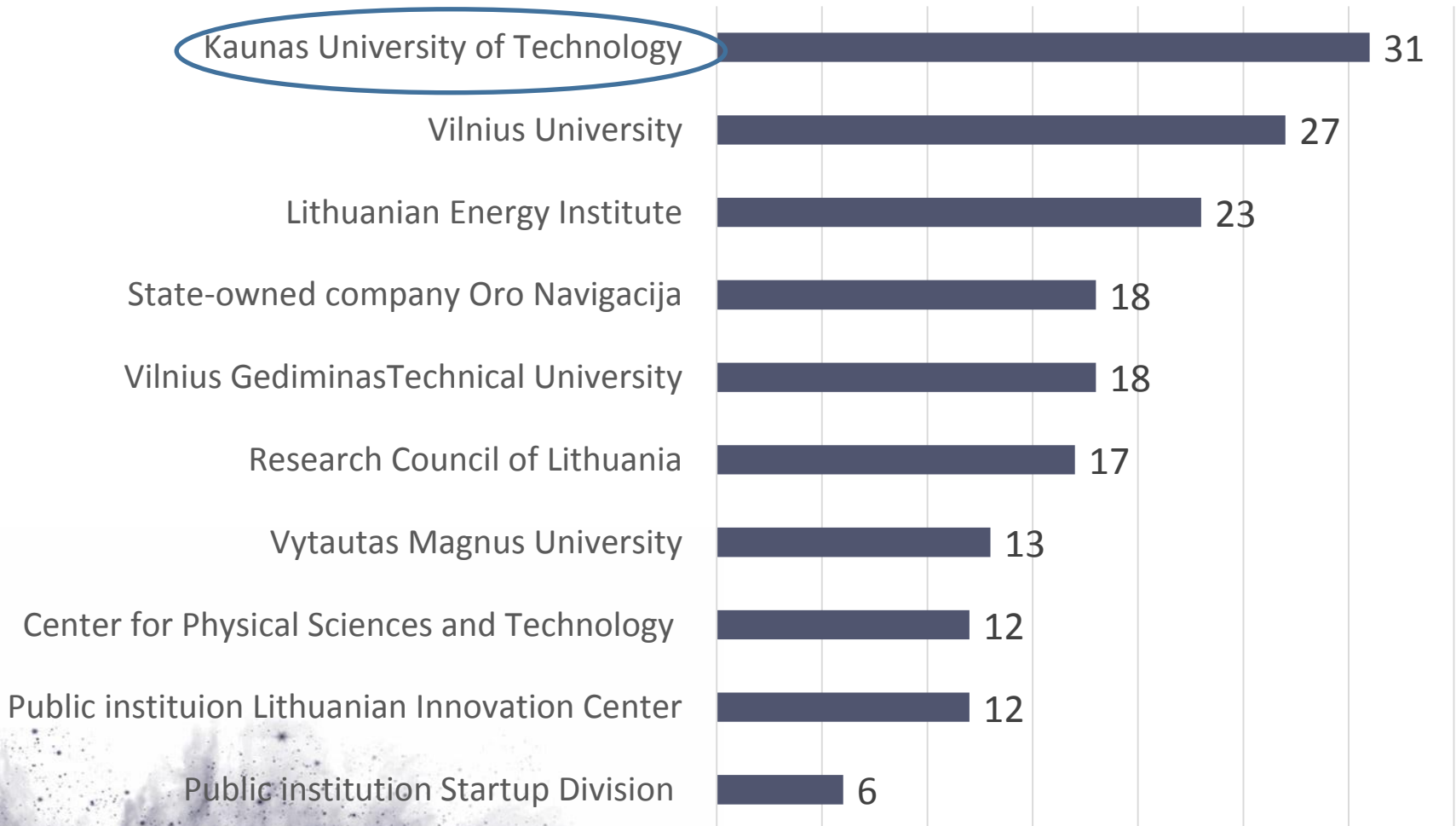
407 participations – 0,35 % of H2020

147 unique participations – 0,46 % of H2020

61,05 million net EU Contribution – 0,14 % of H2020

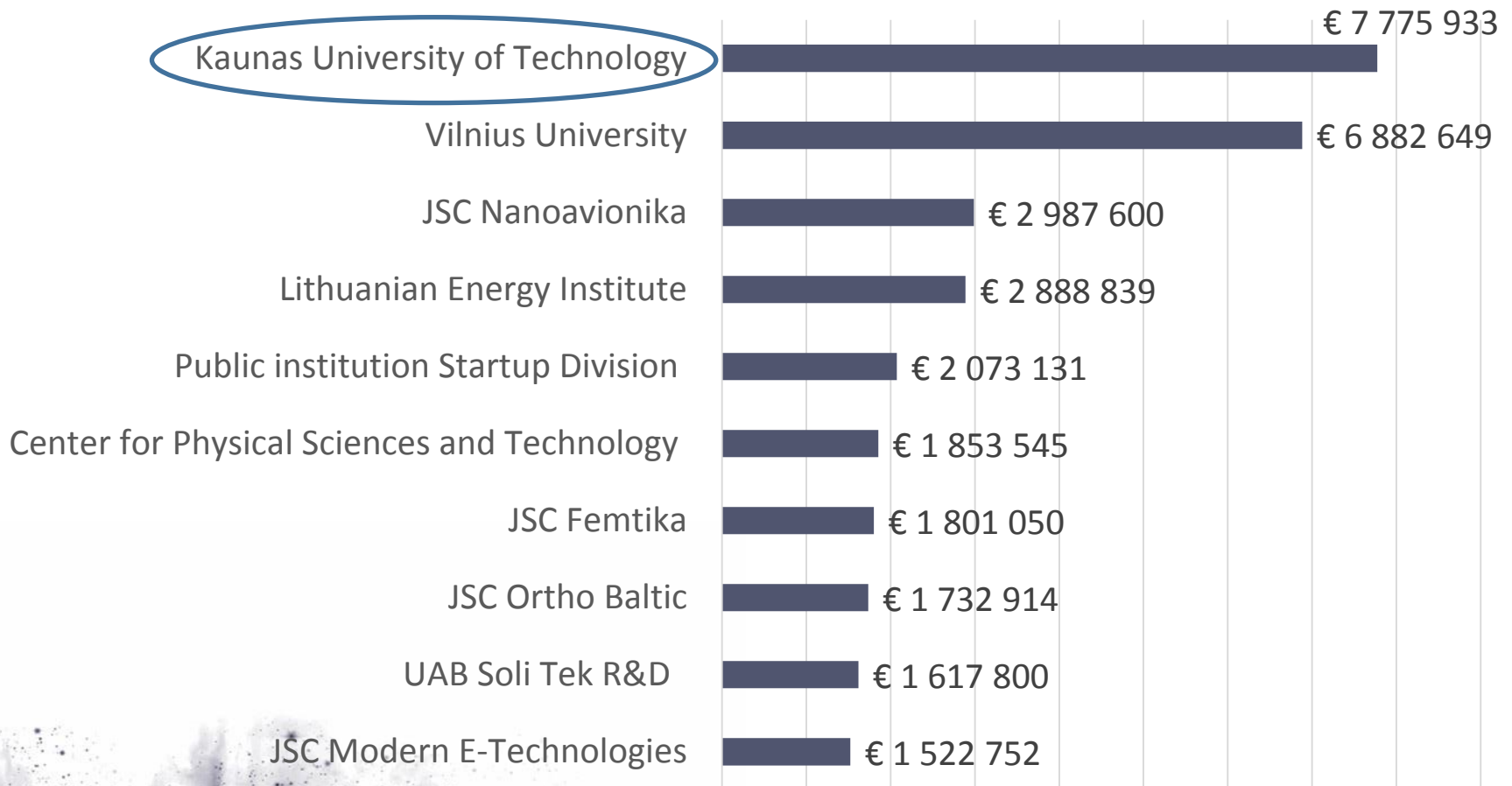
Source: <https://webgate.ec.europa.eu/dashboard>, 30-08-2019

H2020 TOP 10 participants (2014-2019) in Lithuania, number of participation



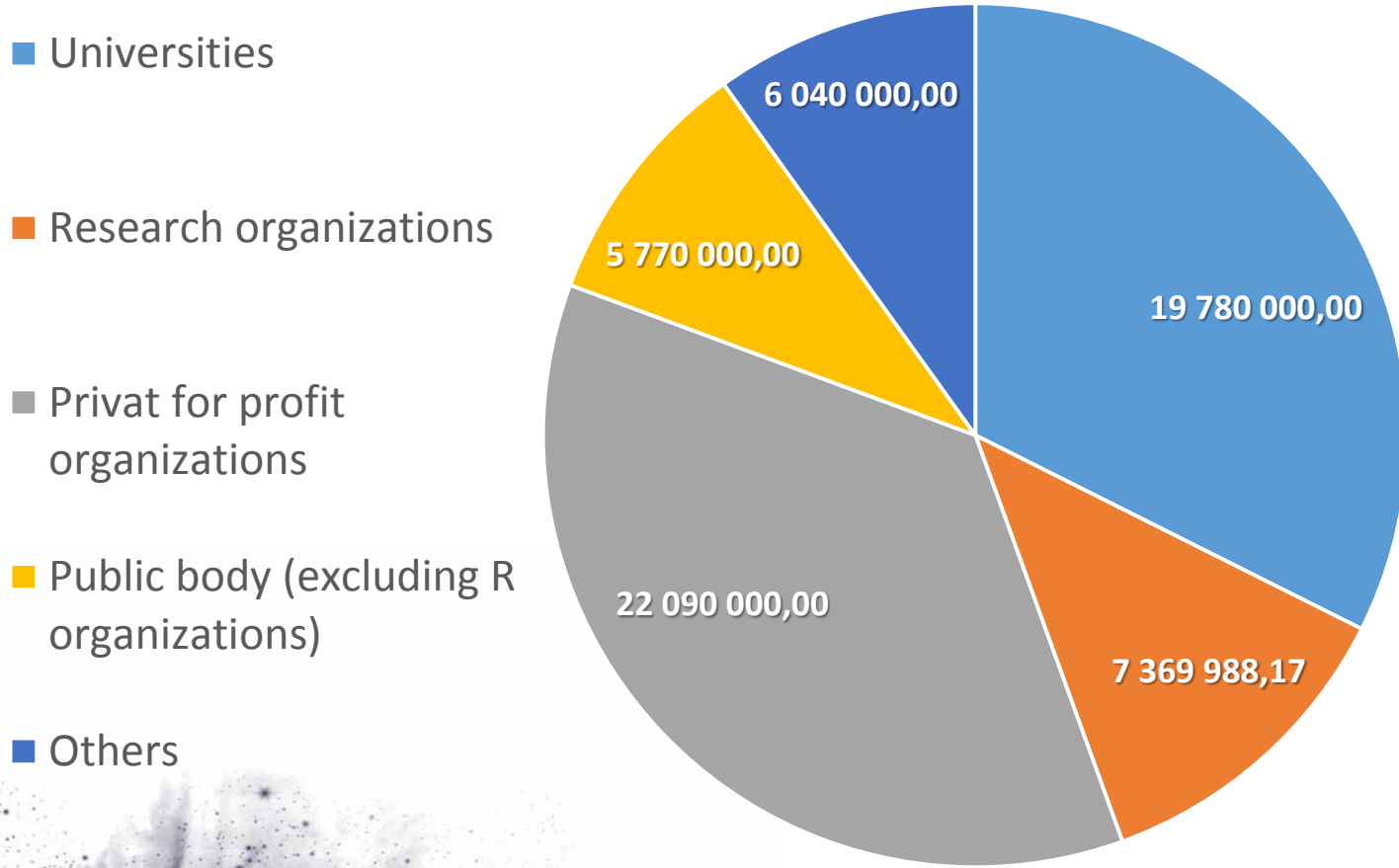
Source: <https://webgate.ec.europa.eu/dashboard>, 30-08-2019

Horizon 2020 TOP 10 participants (2014-2019) in Lithuania, EU contribution, €

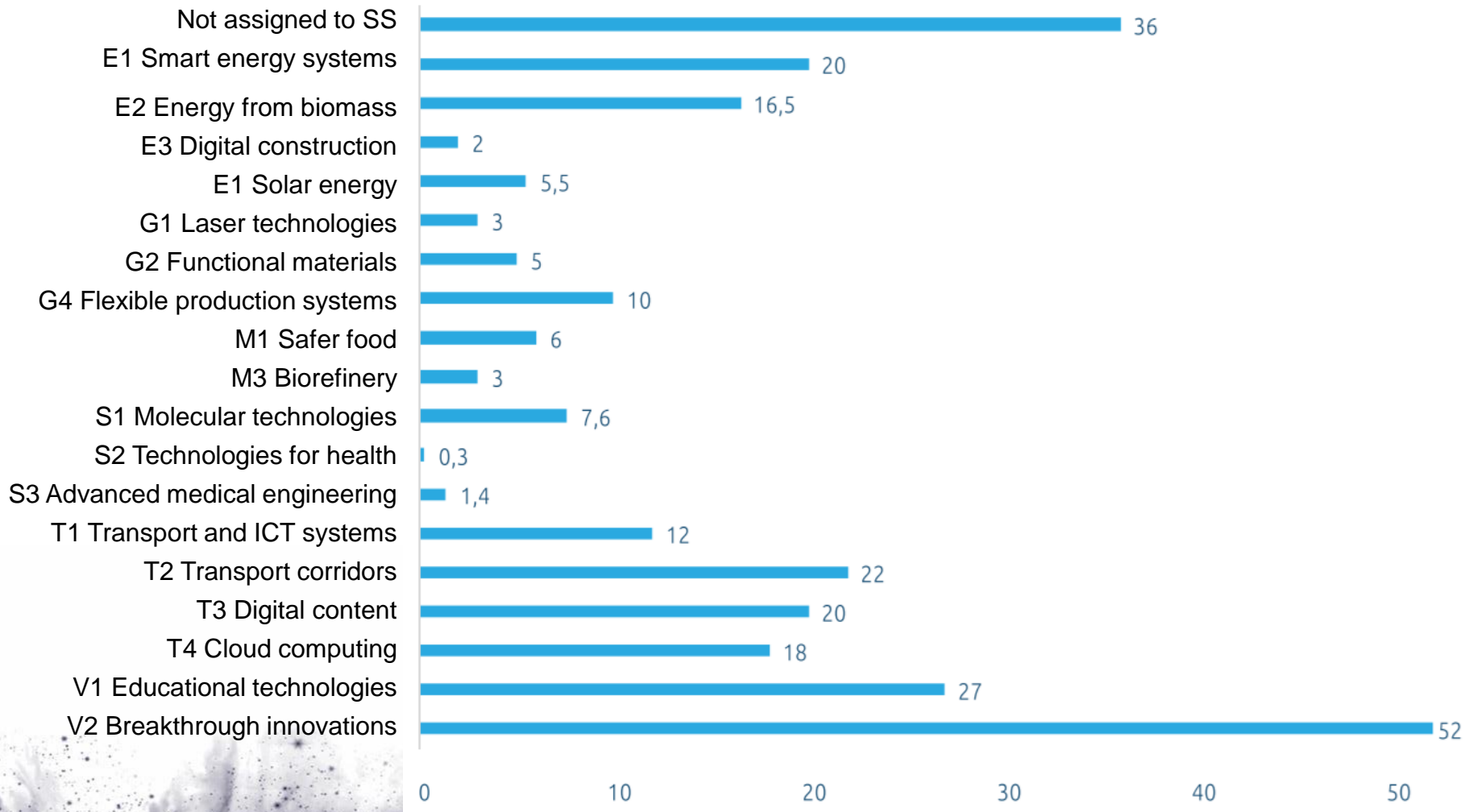


Source: <https://webgate.ec.europa.eu/dashboard>, 30-08-2019

H2020 projects, EU contribution by legal type of organizations in Lithuania (2014-2019)



Number of H2020 projects, according Smart Specialization (SS) priorities in Lithuania (2017)



Source: Implementation monitoring report of Smart Specialization, 2nd report 2018

H2020 Pillar Spreading Excellence and Widening Participation

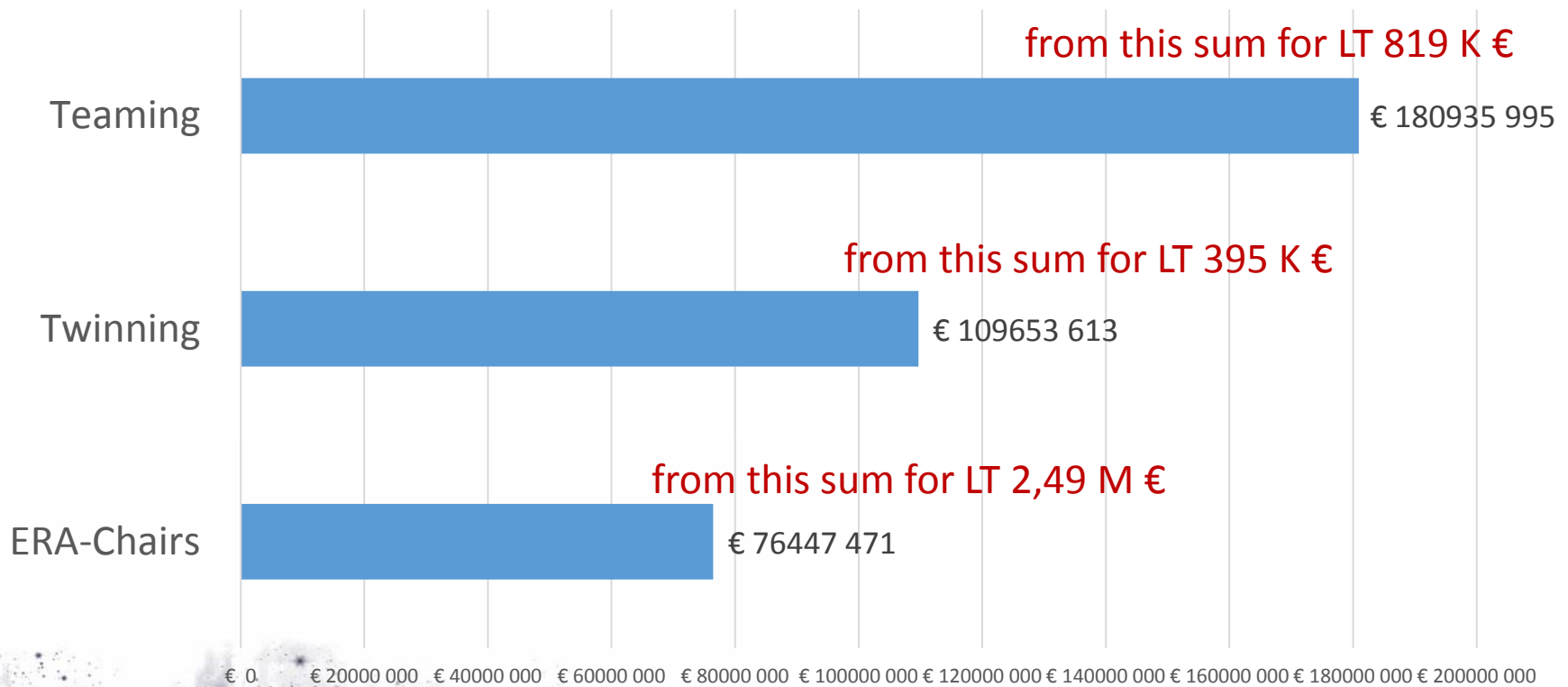


Significantly important for widening countries!



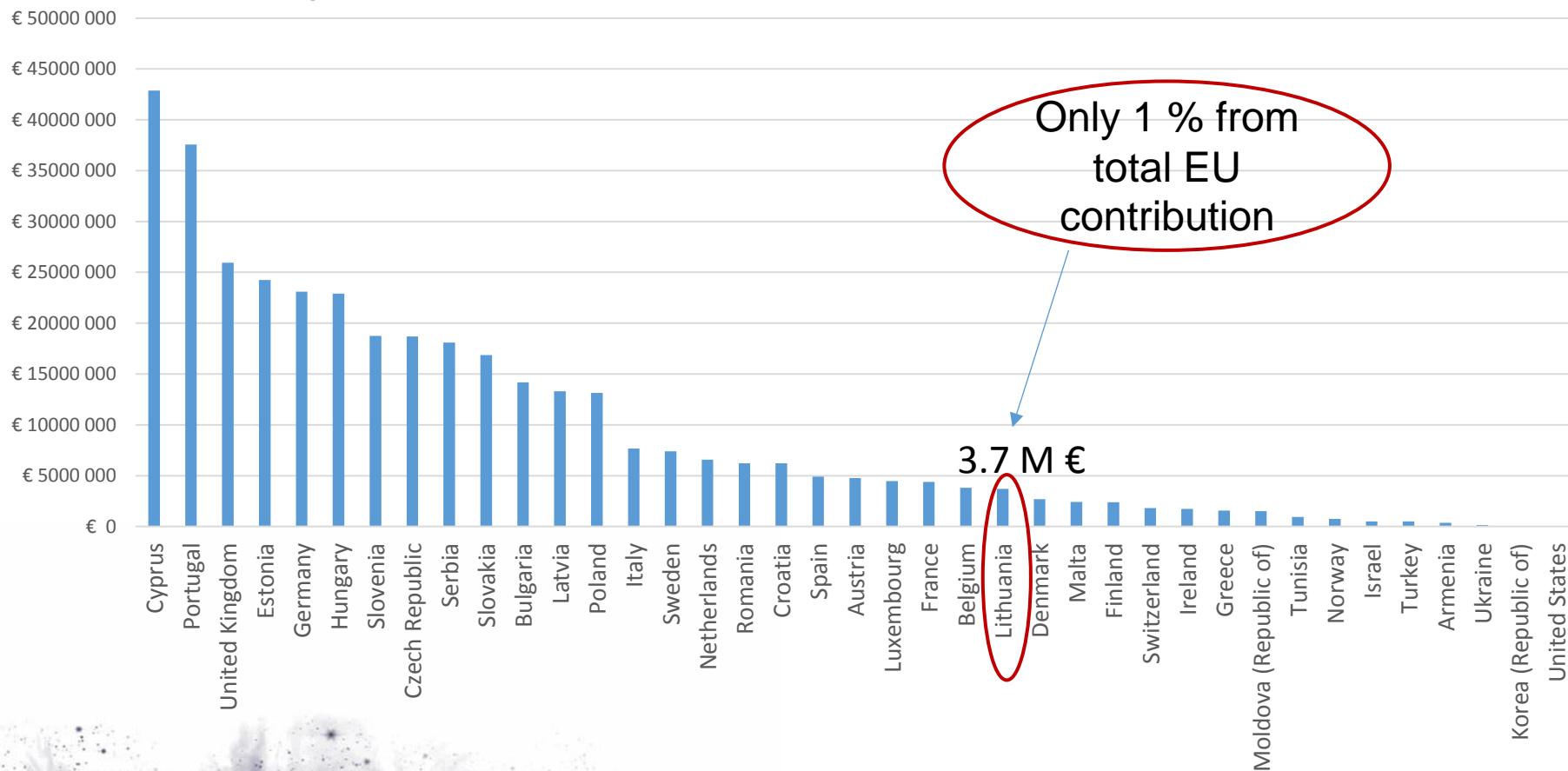
Source of the picture: <https://publications.europa.eu/en/publication-detail/-/publication/3a4ac80c-7a7d-11e8-ac6a-01aa75ed71a1/language-en>

Statistics of H2020 Pillar Spreading Excellence and Widening Participation of EU Contribution by Thematic Priority (2014 – 2019) in Euro



Source: <https://webgate.ec.europa.eu/dashboard>, 30-08-2019

Statistics of H2020 Pillar Spreading Excellence and Widening Participation of EU Contribution to Priorities Teaming, Twinning and Era-Chair by Countries (2014 – 2018) in Euro



Source: <https://webgate.ec.europa.eu/dashboard>, 30-08-2019

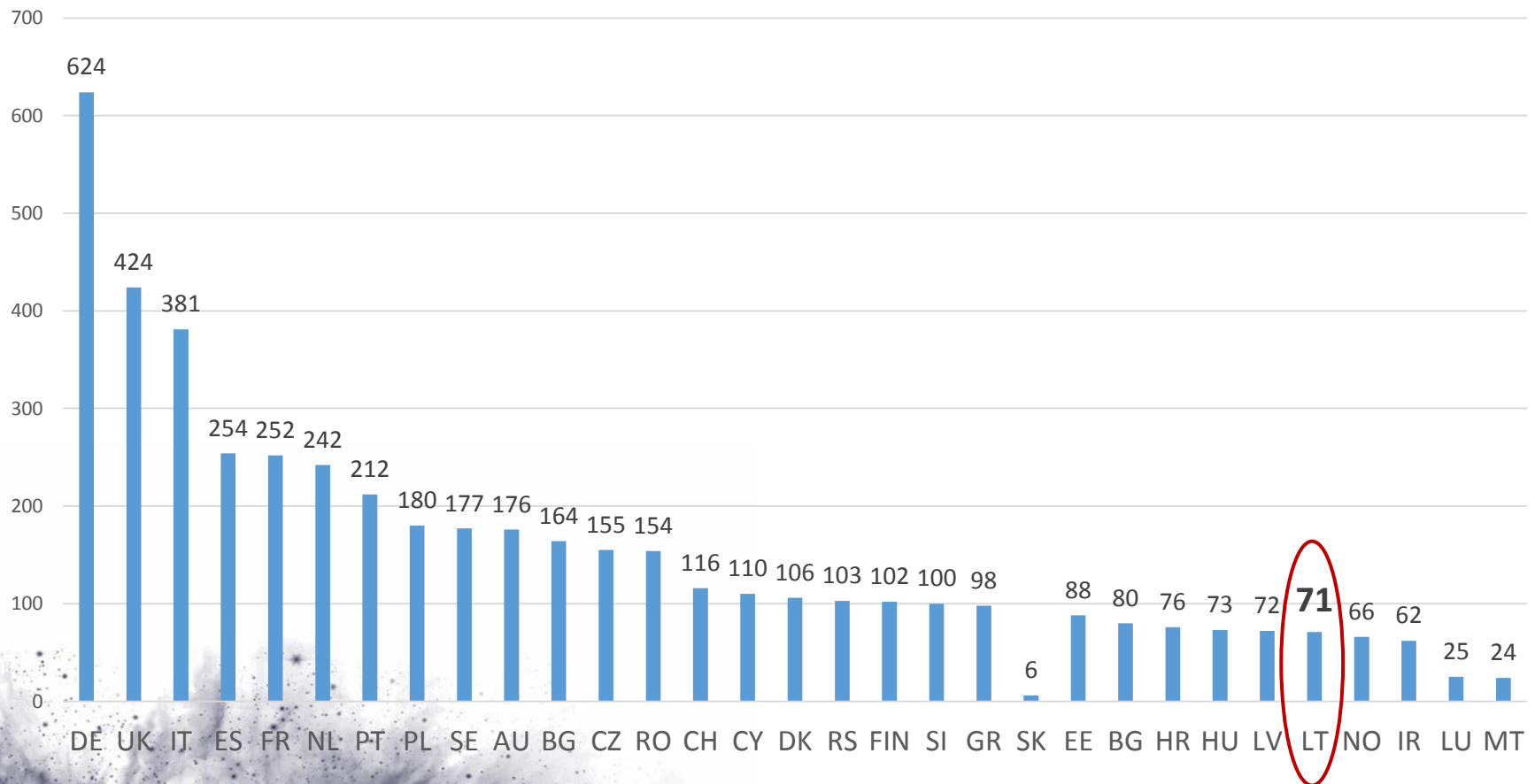
Statistics of H2020 Pillar Spreading Excellence and Widening Participation of EU Contribution to Priorities Teaming, Twinning and Era-Chair in Lithuania 2014 – 2018, Euro



WHY only 1 % of total sum?

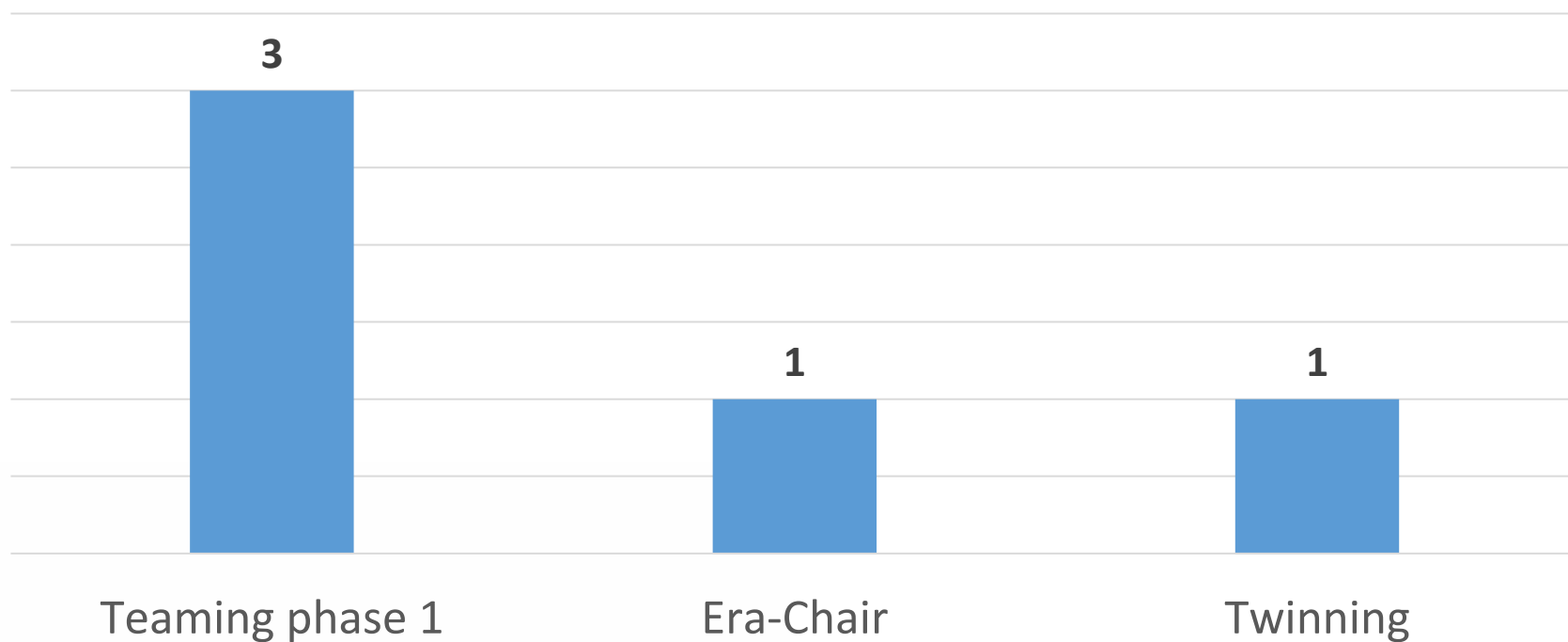
- Small amount of proposals from LT
- **High competition and limited programme budget.** Not all above threshold evaluated proposals are funded, because of limited budget of the pillar. **We highly support an idea to rise the budget for this pillar in Horizon EUROPE**
- Sometimes difficult to join advanced partners in actions

Statistics of H2020 Pillar Spreading Excellence and Widening Participation of Submitted Proposals to Priorities Teaming, Twinning and Era-Chair by Countries (2014 – 2018)



Source: <https://webgate.ec.europa.eu/dashboard>, 19-01-2019

Funded projects of H2020 Widening Actions at KTU



ERA – Chairs

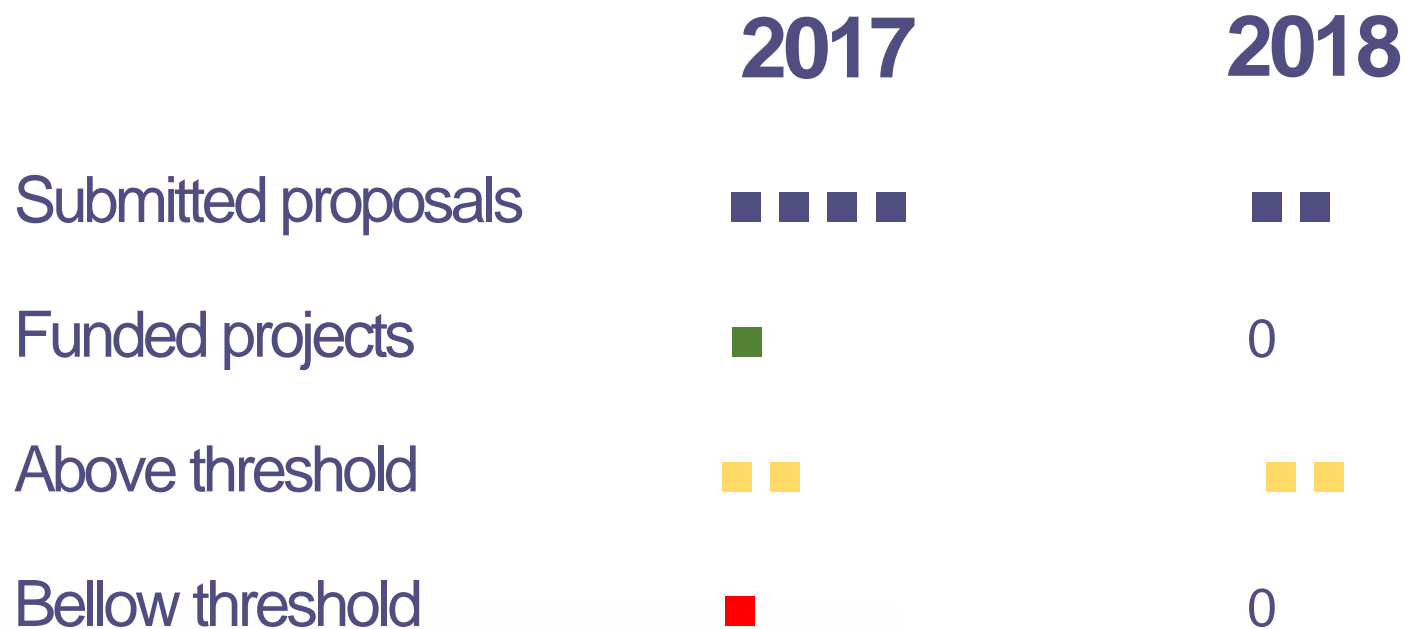
EXCELLENCE TO INSTITUTIONS



Source of the picture: <https://publications.europa.eu/en/publication-detail/-/publication/3a4ac80c-7a7d-11e8-ac6a-01aa75ed71a1/language-en>

ERA – Chairs at KTU

Proposals and projects



Project „Industry 4.0 impact on management practices and economics“ (No. 810318, 2018 – 2023).

Implemented by KTU School of Economics and Business
The objective of the IN4ACT project is to implement structural changes at the KTU School of Economics and Business through the opening of an ERA Chair in “Industry 4.0 Management and Economics” research, to increase research excellence, socio-economic impact, international reputation, and attractiveness to international talented researchers and students. An ERA Chair team of 6 international researchers will be recruited to achieve an objective of the project.

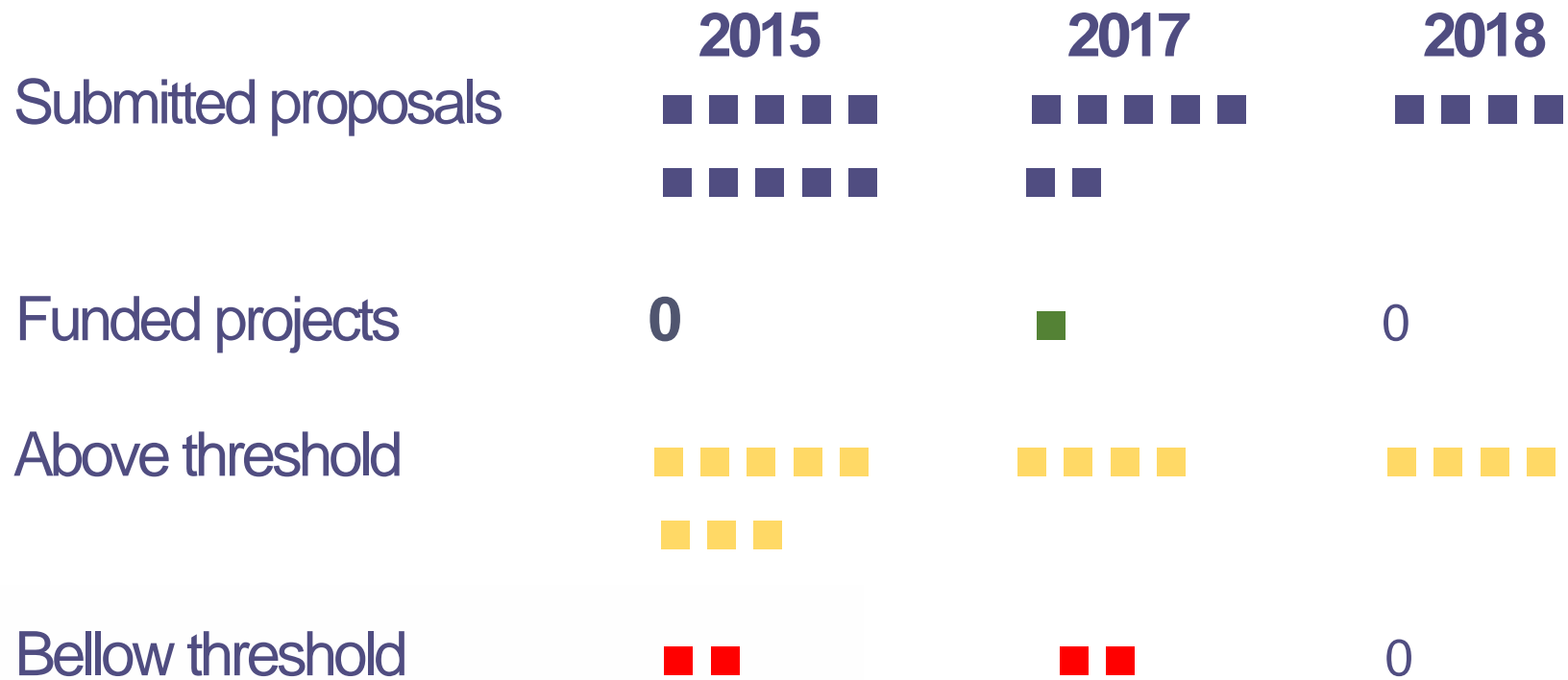
Twinning INSTITUTIONAL NETWORKING



Source of the picture: <https://publications.europa.eu/en/publication-detail/-/publication/3a4ac80c-7a7d-11e8-ac6a-01aa75ed71a1/language-en>

Twinning at KTU

Proposals and projects



Twining at KTU



Project „Knowledge-Empowered Entrepreneurship Network to position Kaunas University of Technology at the forefront of EU research in entrepreneurship (KEEN)“ (No. 810329, 2018 – 2022).

The overall objective of the KEEN project is to strengthen the research excellence of University in entrepreneurship, improve its capacities to exploit and disseminate its research outputs, and enhance its ability to engage the public in its research and entrepreneurship awareness, understanding, and acceptance. To reach such objective, the KEEN project will create a network named “Knowledge-Empowered Entrepreneurship Network” with partners from Cranfield University (United Kingdom), Bergische Universität Wuppertal (Germany), and Universität St. Gallen (Switzerland) .

Teaming INSTITUTION-BUILDING



Source of the picture: <https://publications.europa.eu/en/publication-detail/-/publication/3a4ac80c-7a7d-11e8-ac6a-01aa75ed71a1/language-en>

Teaming at KTU

INSTITUTION-BUILDING



3

Teaming phase 1 projects

(1 - WIDESPREAD-1-2014 as coordinator,
1 - WIDESPREAD-01-2017 as coordinator,
1 - WIDESPREAD-01-2017 as partner,
coordinated by Vytautas Magnus University).

4

Submitted proposals for Teaming phase 2

(1 - WIDESPREAD-01-2016-2017 (not funded),
3 - WIDESPREAD-01-2018-2019 (not funded)).

Coordinator of Centre of Excellence in Science and Technology for Healthy Ageing



(Teaming phase 1, project HEALTH-TECH, No 664339)

4 STRATEGIC RESEARCH AND INNOVATION TOPICS



Mechanisms for age-related diseases

Biomarkers for age-related diseases

Diagnostics and monitoring technologies for age-related diseases

Regenerative technologies for age-related diseases

Integrating Lithuanian Expertise:
Kaunas University of Technology
Lithuanian University of Health Science
Vilnius University



Supported by Advanced Partners:
Lunds University
Teknologian Tutkimuskeskus VTT

Coordinator of Centre of Excellence of the Internet of Things

(Teaming phase 1, project Innolteam, No 763805)



3 STRATEGIC RESEARCH AND INNOVATION TOPICS



Interface and interaction design approaches for Smart Environments



Cybersecurity aspects



Data analysis and visualisation

Integrating Lithuanian Expertise:

Kaunas University of Technology

Vilnius Gediminas Technical University

State Enterprise Centre of Registers



Supported by Advanced Partners:



Linköping University



Interactive Institute Swedish ICT

Partner of Centre of Excellence for Cultural and Creative Innovations in Lithuania

(Teaming phase 1, project InnoCult, No 763748)



4 MAIN OBJECTIVES OF THE PROJECT



CCI
ecosystem
dynamics



CCI
(Re)volutionary
competence,
attitudes and skills



CCI open
innovation
process



CCI digitalisation

Integrating Lithuanian Expertise:

Vytautas Magnus University



Kaunas University of Technology



Supported by Advanced Partner:

Politecnico Di Milano



What's our next venture?



Source of the picture:
<https://www.shutterstock.com/image-illustration/whats-your-next-venture-road-question-661933220?src=85SOZ9y1Yy2wYHwfJUpS8Q-1-0>

The background of the slide is a photograph of the Earth taken from space, showing the curvature of the planet and the blue oceans and white clouds. The text "Horizon Europe" is overlaid on this image.

Horizon Europe

PREPARATION FOR HORIZON EUROPE



- University with partners from international associations and networks actively participates in common position papers and campaigns about upcoming framework programme 9 (FP9) preparation
- University collaborates with colleagues from Lithuanian RDI Liaison Office regarding upcoming FP9.



Expectations from Horizon EUROPE



- Increased budget – higher chances for funded projects
- Fixed and common personnel costs in all countries according different staff categories
- New possibilities for new partnerships
- Continuity of Teaming, Twinning and Era-Chair subprograms
- Simplification for applicants
- Synergies with other programmes (Erasmus+, EU structural funds and etc.)

Contemporary
Capital



KAUNAS
European Capital
of Culture
2022



**WELCOME
TO KAUNAS !**

