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## KETGATE

### 5th KETGATE Newsletter

CE1188 Central European SME Gateway to key-enabling technology  
infrastructures - sparking a new transnational KET Innovation Ecosystem

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### Project Aim

Enabling a Central Europe - wide access to highly competent KET  
technology and infrastructure services for SMEs irrespective of their  
location

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## PROJECT NEWS



**OPEN CALL PILOT PROJECTS**

**APPLY NOW!**

**DEADLINE**

**14/03/2019**



**Are you ready for the future?  
Open call for SMEs!**

**Deadline for submission of RTO service requests:** 14 March 2019

**Expected duration of projects:** 4 months

**Budget for each pilot project:** 5000 - 15000 Euros

**Eligible to apply:** SMEs from Central Europe (Austria, Croatia, The Czech Republic, Germany, Hungary, Italy, Poland, Slovakia, Slovenia)

**Submission of RTO service requests:** through one of our KETGATE points [ketgate.eu/about-us/](http://ketgate.eu/about-us/)

**Language in which the request should be submitted:** English

Only some days left to apply. Take the chance!

[\(READ MORE\)](#)

APPLY



## SMEs and Researchers met in Venice to boost innovation opportunities

36 Research and Technology Organisations, 23 SMEs, 3 clusters of companies and 9 Business Support Organisations from Central Europe met in Venice on January 31st to set up innovative projects and ideas based on key enabling technologies. KETGATE Project organised this matching event and assists companies.

[\(READ MORE\)](#)



**Do you want to know more about the KETGATE network? Watch out our new video!**



## KETGATE Points in Central Europe

KETGATE's mission is to increase the innovation capacity and competitiveness of small and medium-sized enterprises (SMEs) in Central Europe. Therefore, KETGATE aims to facilitate the transnational cooperation between SMEs and Research and Technology Organisations (RTOs), and to improve the access of Key Enabling Technologies (KETs) for SMEs in this region.

For this purpose, regional KETGATE Points have been established in eight countries of Central Europe. KETGATE Points offer you personalised services to guide you through your innovation projects.

Your KETGATE Point is at your doorstep. Contact us in your national language!

[\(READ MORE\)](#)

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## TEAM BEHIND THE PROJECT



[The Jožef Stefan Institute](#) is the leading Slovenian scientific research institute, covering a broad spectrum of basic and applied research. The staff of more than 960 specializes in natural sciences, life sciences and engineering.

The subjects concern production and control technologies, communication and computer technologies, knowledge technologies, biotechnologies, new materials, environmental technologies, nanotechnologies, and nuclear engineering.

The mission of the Jožef Stefan Institute is the accumulation - and dissemination - of knowledge at the frontiers of natural science and technology to the benefit of society at large through the pursuit of education, learning, research, and development of high technology at the highest international levels of excellence.

## Hard protective coatings for tools



One of the industrially applicable technologies developed at the Jožef Stefan Institute are hard protective coatings. On different coating machines deposition of various ceramic PVD hard coatings have been developed: TiN, CrN, TiAlN, AlTiN, TiAlSiN and aCN, as well



as others upon special request.

Optimal combination of properties required for hard coatings can only be achieved by an in-depth study in several levels: understanding the process of coating growth, analysis of influence of deposition parameters on coating properties, and analysis of coating wear processes. Beside a targeted development of a coating for specific technological application, the study of above mentioned processes contributes to a general knowledge of deposition and application of hard coatings. The most important materials for hard coatings are transition metal nitrides, but the Jožef Stefan Institute is doing research also on other materials such as diamond-like coatings, oxides, etc. The emphasis of characterisation is in mechanical properties, such as micro- and nanohardness, and adhesion.

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## FAVOURITE READS ON KETS

### NEW REPORT ON HORIZON 2020 R&I PROJECTS SUPPORTING THE TRANSITION TO A CIRCULAR ECONOMY

This new report provides an overview of over 150 projects financed by the EU's Horizon 2020 programme in 2016-2017 and which contribute to the different stages of a circular economy. The fields covered are diverse and address production processes, new bio-based and biodegradable products, substitution or recovery of raw materials, conversion of CO<sub>2</sub>, packaging, plastics, etc. Altogether, the projects represent an investment of around EUR 900 million, of which more than EUR 765 million from EU funding.

[\(READ MORE\)](#)

### NANO-ENHANCED INDUSTRIAL MATERIALS: BUILDING THE NEXT EUROPEAN INDUSTRIAL REVOLUTION

The development and integration of advanced nanomaterials is a key ambition for the European Union as it seeks to make European industry more innovative and more competitive. This CORDIS Results Pack showcases 14 EU-funded projects that have all addressed the upscaling of laboratory-proven nano-based technologies for reaching

industrial-scale production and application, providing exciting new opportunities for European industrial production.

[\(READ MORE\)](#)

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## RECOMMENDED EVENTS

### **Steel and Coal: a New Perspective - Research and Innovation in Action**

**28. March 2019 | Brussels, Belgium**

The European Commission is organizing a Conference entitled 'Steel and Coal: a New Perspective' at DG Research and Innovation on 28 March 2019 in Brussels.

After a European political introduction, the first keynote speeches will deal with Steel and Coal in a forward-looking perspective. The speakers will address the themes of architecture, steel 4.0, energy, electric mobility, innovation, technology and socio-economic challenges.

[\(MORE INFORMATION\)](#)

## Crossfertilisation and project idea development workshops

2 - 3. April 2019 | Vienna, Austria

4th Call for proposals within the Interreg Central Europe is now open. However this time it has a rather experimental character. Many of the projects that were approved in the first three calls of Interreg CENTRAL EUROPE work on closely related topics and challenges. Through their cooperation they contribute to making central Europe a better place to live and work in. The aim of crossfertilisation is to further coordinate and better sustain these outputs and results through exchanges between these projects.

[\(MORE INFORMATION\)](#)

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**PROJECT DURATION:** 01.07.2017 - 31.08.2020

**PROJECT BUDGET:** 2,02 mln €

**ERDF CO-FINANCING:** 1,66 mln €



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