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# Internationalization Strategy in Zaporizhzhia National Technical University

**Dr. Sergiy Byelikov,  
Rector**



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**INTERNATIONAL  
PROJECTS IN  
ZNTU  
2016**





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# EU Innovation Strategy and the Black Sea Region



**International Conference on: Inter-university cooperation in the black sea region: best practices in university management for high performance in education and scientific research**





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# Black Sea University Network





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**Eden Mamut**

## “Engineering Education for Industrial Revolution 4.0”





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# ZNTU-DELCCAM



**October 2001**  
**In Zaporizhzhya National**  
**Technical University**  
**with the support of the rector**  
**Sergiy Byelikov the first**  
**educational center in Ukraine**  
**DELCCAM was opened at the**  
**department "Metal-cutting**  
**machines and tools"**



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2006 – 2016



# The project development ZNTU- Delcam: "The advanced computer technology to universities in Ukraine":





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# ZNTU-DELCCAM



- National Technical University "Kharkiv Polytechnic Institute"
- National Technical University of Ukraine "Kyiv Polytechnic Institute"
- Sumy State University
- National Mining University
- Odessa National Polytechnic University
- Zhytomyr State Technological University
- Donbas State Engineering Academy
- National Metallurgical Academy of Ukraine
- Lviv Polytechnic National University
- Tavria State Agrotechnological University
- Poltava National Technical University named after Yuri Kondratyuk
- Lutsk National Technical University
- Ukrainian Engineering Pedagogics Academy
- Ivano-Frankivsk National Technical University of Oil and Gas
- Kremenchuk Mykhailo Ostrohradskyi National University
- Chernihiv State Technological University
- Kyiv National University of Technologies and Design
- O.M. Beketov National University of Urban Economy in Kharkiv
- Kharkov National Automobile and Highway University

## Opened 26 training centers



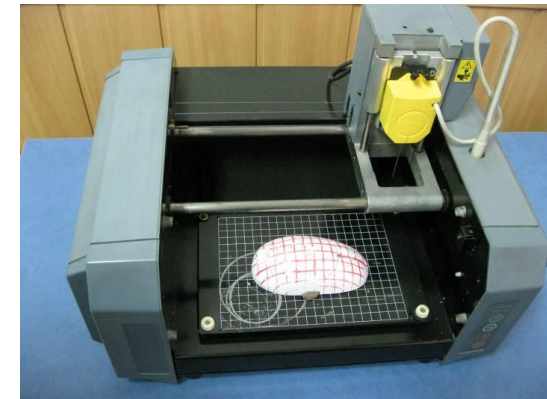


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# ZNTU-DELCAM



## CNC sign engraving and milling machine Camaro series CP-1208 by Woodpecker





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# ZNTU-DEL CAM



**The award  
ceremony at the  
residence of the  
Ambassador  
Extraordinary and  
Plenipotentiary  
Ambassador of  
Great Britain to  
Ukraine**





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DesIRE



**\* Development of Embedded System Courses with implementation of innovative Virtual approaches for integration of Research, Education and Production in UA, GE, AM**

**TEMPUS-project 544091-TEMPUS-1-2013-1-BE-TEMPUS-JPCR**

**Project acronym:** «DesIRE»

**Web site:** <http://tempus-desire.eu/>

**Duration of the project:** December 01, 2013 – December 01, 2016

**Applicant:** Thomas More University College (Antwerp, Belgium)

# The Project results



**New laboratory of embedded systems and remote engineering was established**



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ECOTESY



\* *Interregional Network for Innovative Development of Ecosystems  
Technosphere Based on Micro- and Nanoobject Technologies-  
54A498-TEMPUS-1-2013-1-5E-TEMPUS-3PHES*

**Project acronym: «ECOTESY»**

**Web site: <https://www.facebook.com/ecotesy>**

**Duration of the project: December 01, 2013 – December  
01, 2016**

**Applicant: Linnaeus University, Sweden**



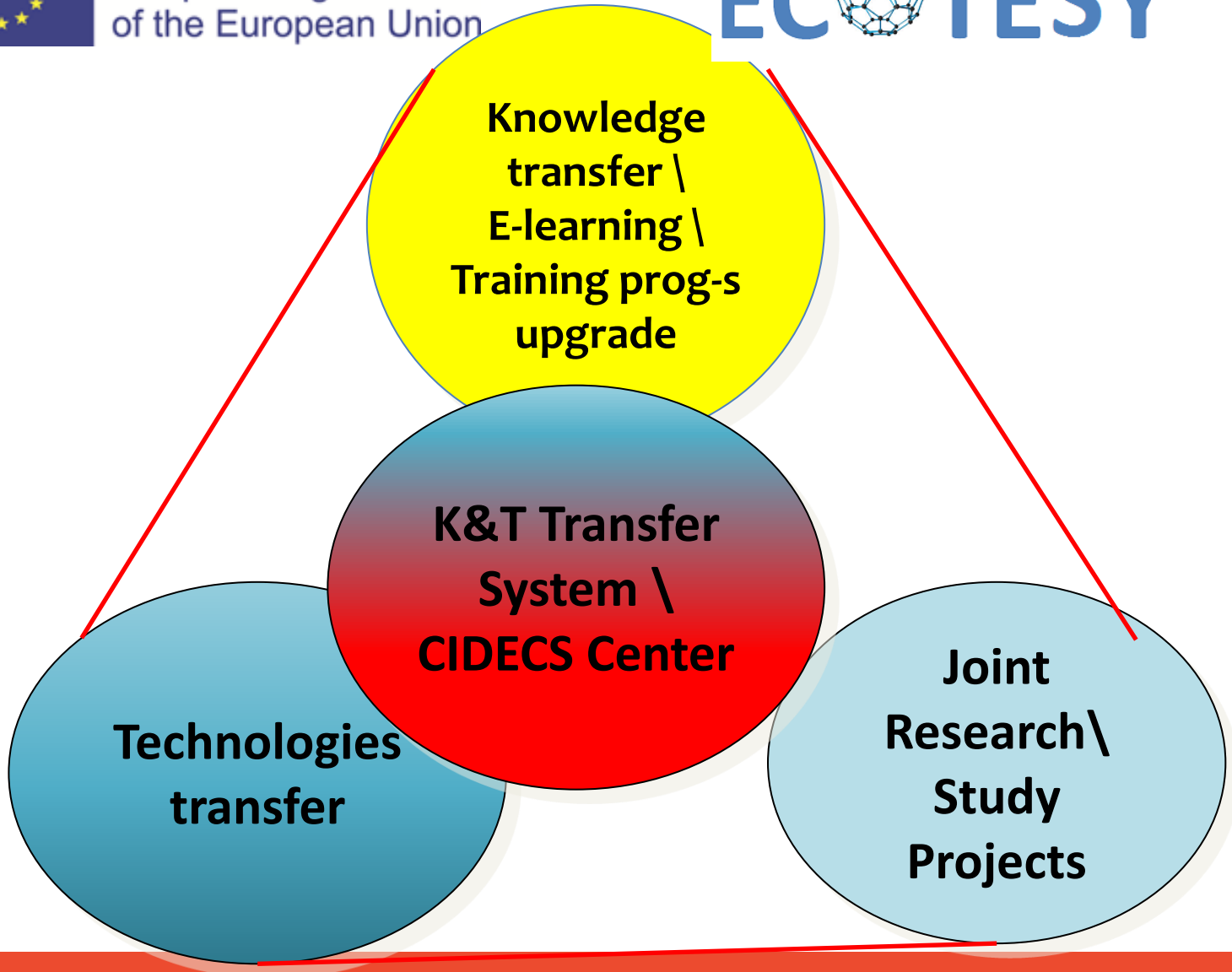
# Specific Project Objectives

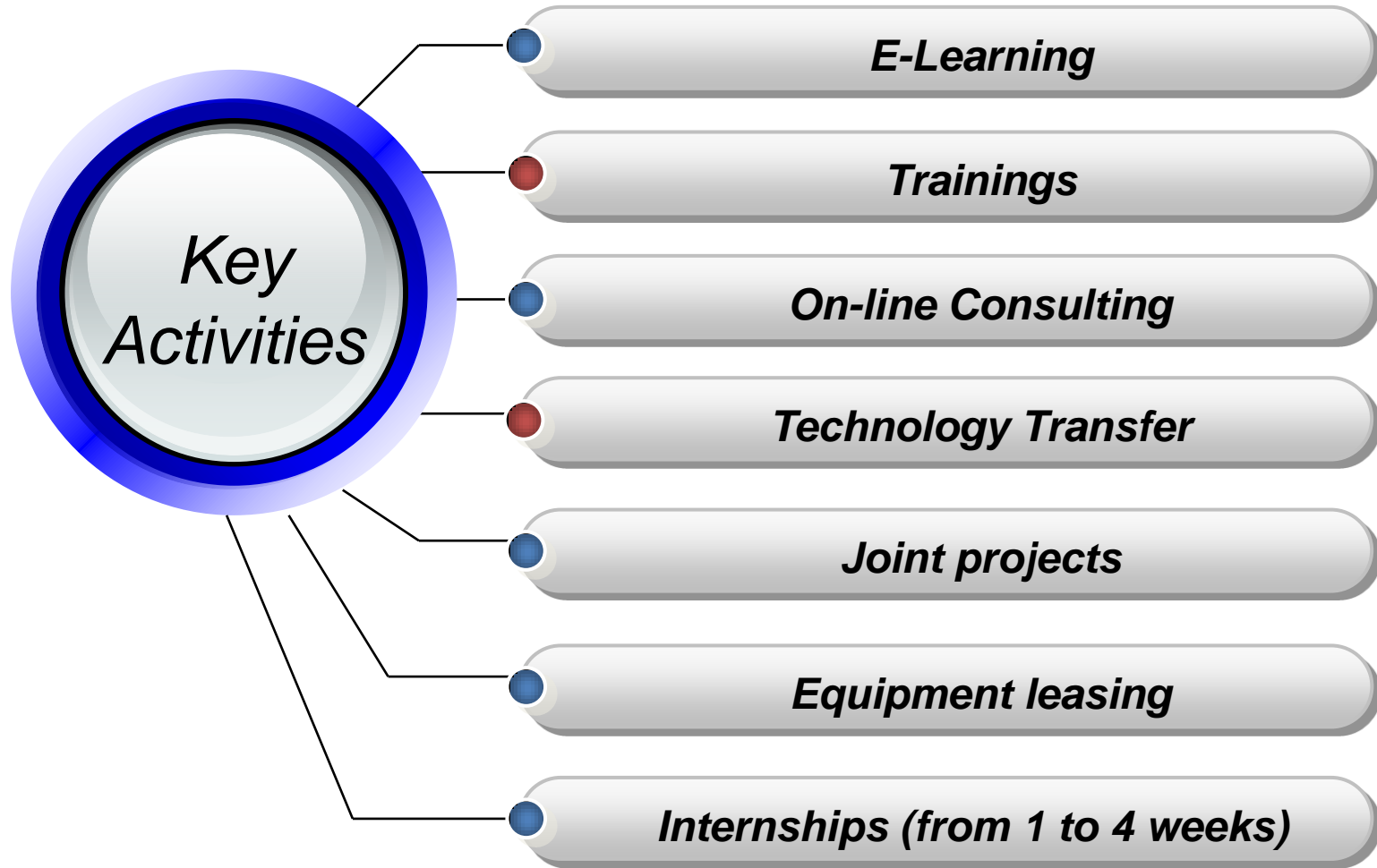
- To establish the international network Centers of Innovations in ecosystems technosphere (CIDECS) in Ukraine and Belarus for administrative, financial and technical support of eco-innovative projects/ e-commerce / training activities;
- To develop the web platform CIDECS for collaboration in development and commercialization of eco-innovative projects and integration of this platform with the networks of Tempus projects; •
- To develop the new integrated Master program in Micro- and Nanotechnology in ecosystems technosphere (6 basic modules) for 6 partner universities;-
- To develop in-service training program (4 modules) in the area of innovative micro/nanotech eco-engineering.



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ECOTESY









## Director of the International Center CIDECS

### Basic staff

Leading expert

Leading expert- translator

Expert

### Support staff

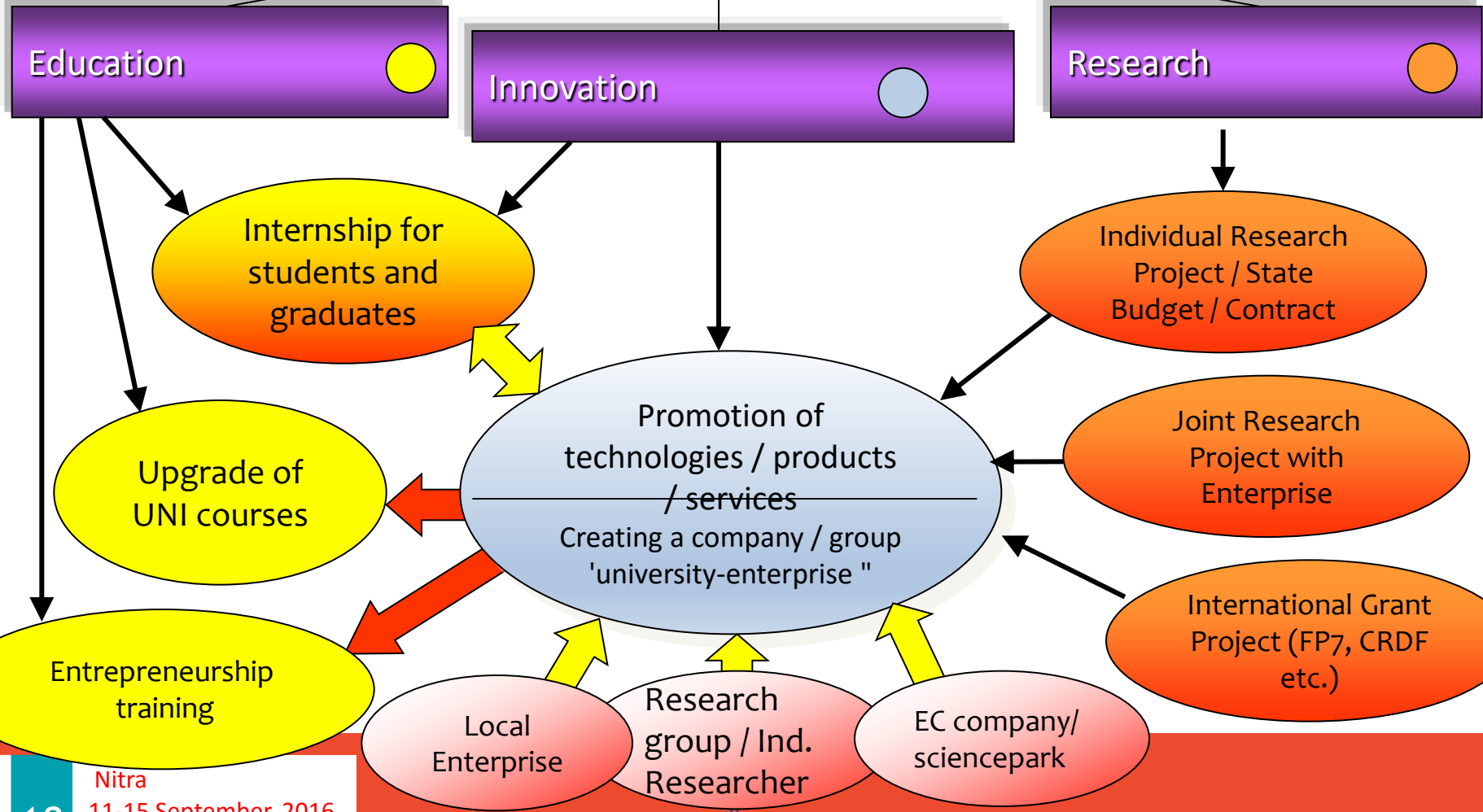
Leading Specialist (0,25)

Leading Specialist (0,25)

Engineer (0,25)

Engineer (0,25)

**CIDECS center**





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Tempus



**\* Centers of Excellence for young REsearchers (CERES) of Tempus program, funded by the European Commission**

**544137-TEMPUS-1-2013-1-SK-TEMPUS-JPHES**

**Project acronym: «CERES»**

**Web site: <http://ceres.ntu.edu.ua>**

**Duration of the project: December 01, 2013 –November 30, 2016**

**Applicant: Zilinska Univerzita v Ziline, Slovakia**



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## Project goals and objectives

- To align higher education with the needs of modern enterprises;
- To improve research conditions of young scientists in EU, Belarus and Ukraine
- To establish new and extend existing partnership between enterprises and universities
- To create centres in Belarus and Ukraine

## Expected results

- The development of centres to support scientific work of young scientists and students
- The development of virtual online portal
- Conducting conferences, meetings, debates to share the scientific experience of young scientists
- Dissemination of project results
- Ensuring a long-term use of project results
- Monitoring of project implementation quality
- Project management



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# Board of European Students of Technology

## EBEC - European BEST Engineering Competition





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# IT competition “LikeIT”, March 2015





le  
nion

# European BEST Engineering Competition



APRIL 25-29 2016

## National Round of EBEC



Board of European Students of technology (BEST) - is constantly growing organization. Our priority is to provide high quality services for students all across Europe





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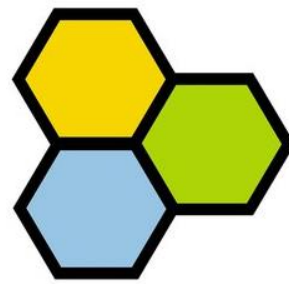
## 2 categories of competition







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BEST  
**JOB FAIR**  
2016





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BEST  
**JOB FAIR**  
2016

YOUR FUTURE STARTS HERE



Ukraine



**СТРАХУВАННЯ**

змінюємо / стандарти



Building a better  
working world



**БЕРДЯНСКІЕ™  
ЖАТКИ**

**JABIL**



**УКРГАЗ™**

Національна мережа заправок  
природним газом



ФІЛІП МОРРІС  
СЕЙЛЗ ЕНД ДИСТРИБ'ЮШН



**QA Test Lab**  
*quality is a rule*



**АКТИВ**

**ФИНАНСОВАЯ  
АКАДЕМИЯ**

№1 в дистанционном обучении!





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# UKRAINIAN CHARITY COMPETITION AV IATOR-2016

Borys  
Kolesnikov Fund



**5 winners from ZNTU will go to  
the Farnborough International Air  
Show 2016 (London)**





# ZNTU new projects in 2016



- **7 grants for students mobility within the program Erasmus+ KA1 with KU Leuven**
- **3 grants for students in summer schools in Dortmund**
- **1 new project under the Erasmus + KA2 Capacity Building**



**THANK YOU**  
 DANKSCHEEN  
 GRACIAS  
 ARIGATO  
 SHUKURIA  
 JUSPAXAR  
 TASHAKKUR ATU  
 SUKSAMA  
 EKHMET  
 BIYAN  
 SHUKRIA  
 TINGKI  
 YAQHANYELAY  
 MAAKE  
 GRAZIE  
 MEHRBANI  
 PALDIES  
 BOLZIN  
 MERCI  
 DYAKUJU  
 spasibo