VYATKA STATE UNIVERSITY

New International
Collaborative Learning
and International Cooperation
Using Online Services

EngineeriNg educaTors pEdagogical tRaining/ ENTER (Erasmus+)

Kanagawa University International
Staff Exchange Week (Online)
November 9, 2021

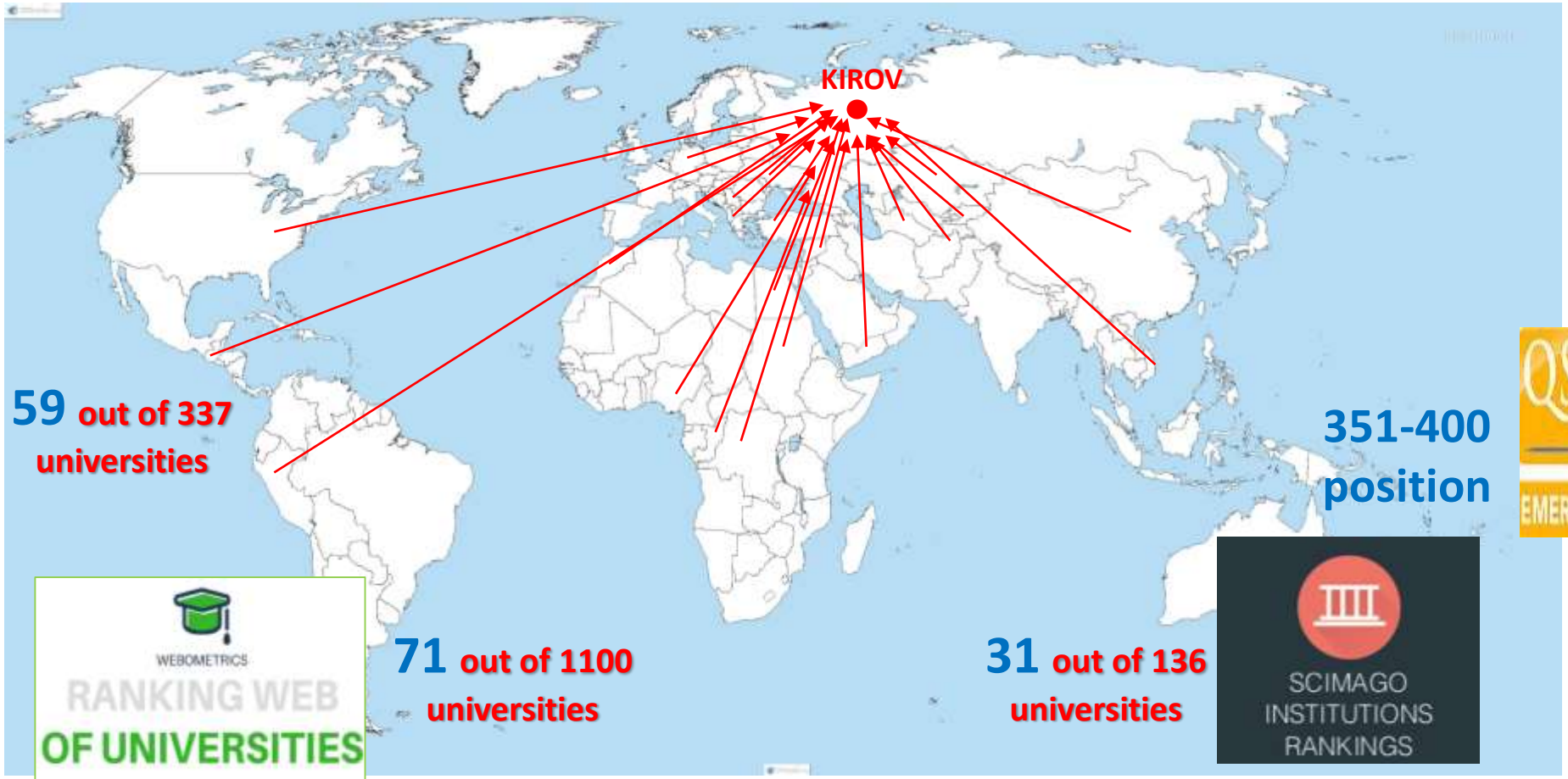
Vyatka State University at a glance

> 20 000 students

33 countries

36 regions of Russia

> 1 000 teachers



59 out of 337 universities

351-400 position

71 out of 1100 universities

31 out of 136 universities

Национальный рейтинг университетов
интерфакс
INTERFAX

WEBOMETRICS
RANKING WEB
OF UNIVERSITIES

QS UNIVERSITY RANKINGS
EMERGING EUROPE & CENTRAL ASIA

SCIMAGO INSTITUTIONS RANKINGS

VyatSU scientific priorities

Our scientific priorities

- Polymer materials for the industry of the future
- Innovative energy sources
- Pharmaceutical biotechnology
- Biological resources and biodiversity
- Industrial and business engineering

VyatSU ERASMUS+ ENTER BLENDED MOBILITY

The ENTER project main objective is to develop multi-level modular system for pedagogical training of engineering educators based on international network cooperation and 7 specific project objectives:

- Analyze European practice in effective methods of highly skilled engineering educators training;
- Develop three programmes (basic, fundamental, advanced) for engineering educators with a variable set of modules based on modern education technologies such as e-learning;
- Develop technology for creating individual paths in engineering pedagogics;
- Develop patterns of international cooperation in implementing the modules and providing dissemination of outcomes and outputs;
- Develop legal support documents and regulations for network cooperation;
- Develop evaluation criteria for professional competencies mastered by engineering educators and criteria for training programmes quality assessment;
- Assess the results of pilot programmes implemention.

http://www.erasmus-enter.org/index.php?lang=en

Engineering educators pedagogical training ENTER

Co-funded by the Erasmus+ Programme of the European Union

ENTER Consortium

Project Coordinator: P.PORTO

European partners: DTI, TAL TECH

Kazakh partners:

Russian partners:

ENTER Consortium

Project Coordinator:

1. INSTITUTO POLITECNICO DO PORTO, Portugal

European partners:

2. DTI UNIVERSITY, Slovakia
3. TALLINN UNIVERSITY of TECHNOLOGY, Estonia

Russian and Kazakh partners:

4. NATIONAL RESEARCH TOMSK POLYTECHNIC UNIVERSITY, Russian Federation
5. KAZAN NATIONAL RESEARCH TECHNOLOGICAL UNIVERSITY, Russian Federation
6. TAMBOV STATE TECHNICAL UNIVERSITY, Russian Federation
7. DON STATE TECHNICAL UNIVERSITY, Russian Federation
8. ASSOCIATION for ENGINEERING EDUCATION of RUSSIA, Russian Federation
9. AL-FARABI KAZAKH NATIONAL UNIVERSITY, Kazakhstan
10. ACADEMICIAN E.A. BUKETOV KARAGANDA STATE UNIVERSITY, Kazakhstan
11. KAZAKHSTAN ASSOCIATION of ENGINEERING EDUCATION, Kazakhstan
12. **VYATKA STATE UNIVERSITY, Russian Federation**
13. ASSOCIATION for INTERNATIONAL EDUCATION SUPPORT «BOLOGNA CLUB», Russian Federation

iPET ENTER preliminary stage

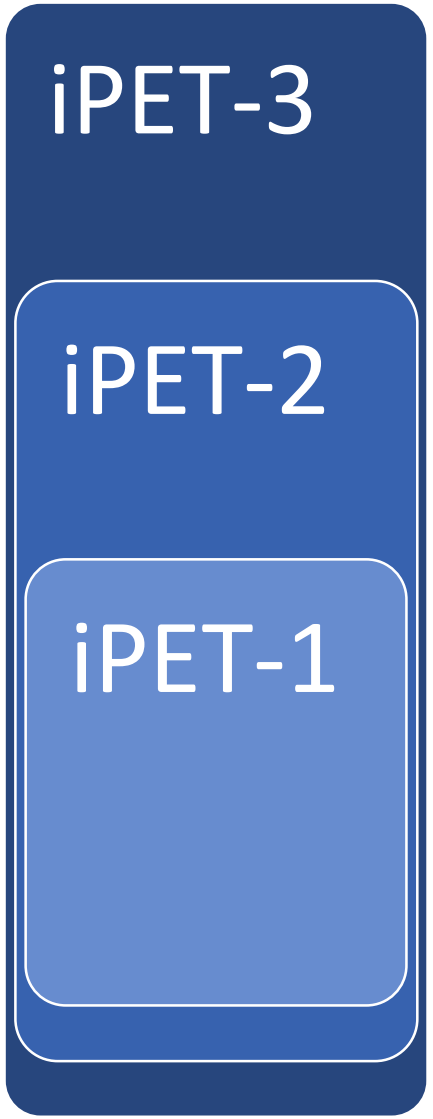
The survey included **5 groups** of stakeholders:

- engineering educators
- HEI administration
- HEI engineering students
- Potential employers of HEI engineering graduates
- Representatives of governmental bodies, involved in education

Over **800** respondents

Over **25** regions of RF and Kazakhstan

iPET programms



COMPLETE EDUCATIONAL PROGRAM

- Digital education
- Problem-based, project-based and practice-oriented learning
- Learning outcomes` assessment
- Course design
- Engineering innovation process
- Learning throughout life

PROFESSIONAL RETRAINING PROGRAM

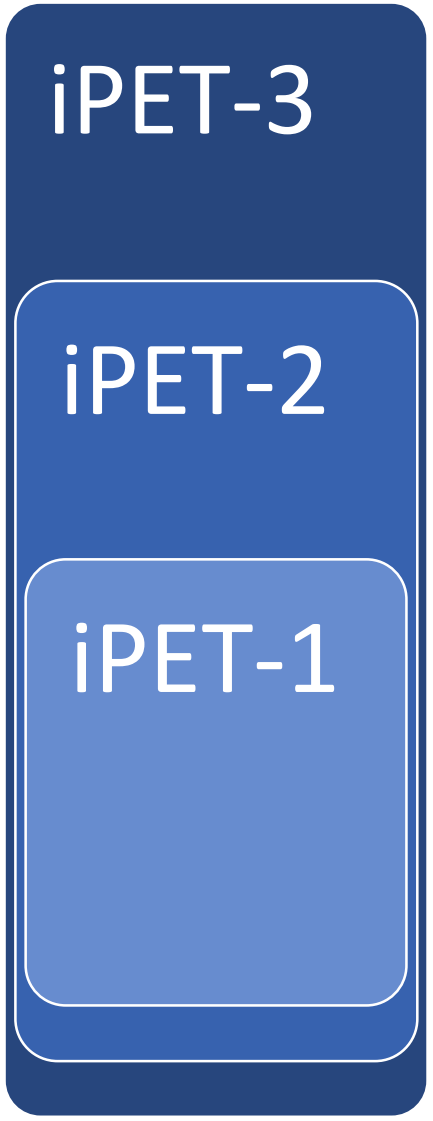
- Enhancement of learning interactivity
- Systems analysis in education
- Pedagogical psychology and communication
- Interaction with stakeholders
- Sustainable development

SHORT-TERM COURSES

- Innovation in engineering pedagogy
- Time management
- Effective interaction

Programs have modular structure, i.e. modules of iPET-1 are included in iPET-2, and both are included in iPET-3. This provides a sustainable improvement path that educators can walk at their own pace. It will also be possible for the educators to combine modules from different ENTER network members.

iPET programms



COMPLETE EDUCATIONAL PROGRAM (duration 790 hours)

- Registration in progress
- Approx. 20 Students VyatSU (RF) + TSTU (RF) + KSU (KZ)
- 12 Lectors RF+KZ+EU

PROFESSIONAL RETRAINING PROGRAM (duration 288 hours)

- February – June 2021
- 20 Students VyatSU (RF) + TSTU (RF) + KSU (KZ) + KASNU (KZ)
- 5 Lectors RF+KZ+EU (DTiU)

SHORT-TERM COURSES (duration 72 hours)

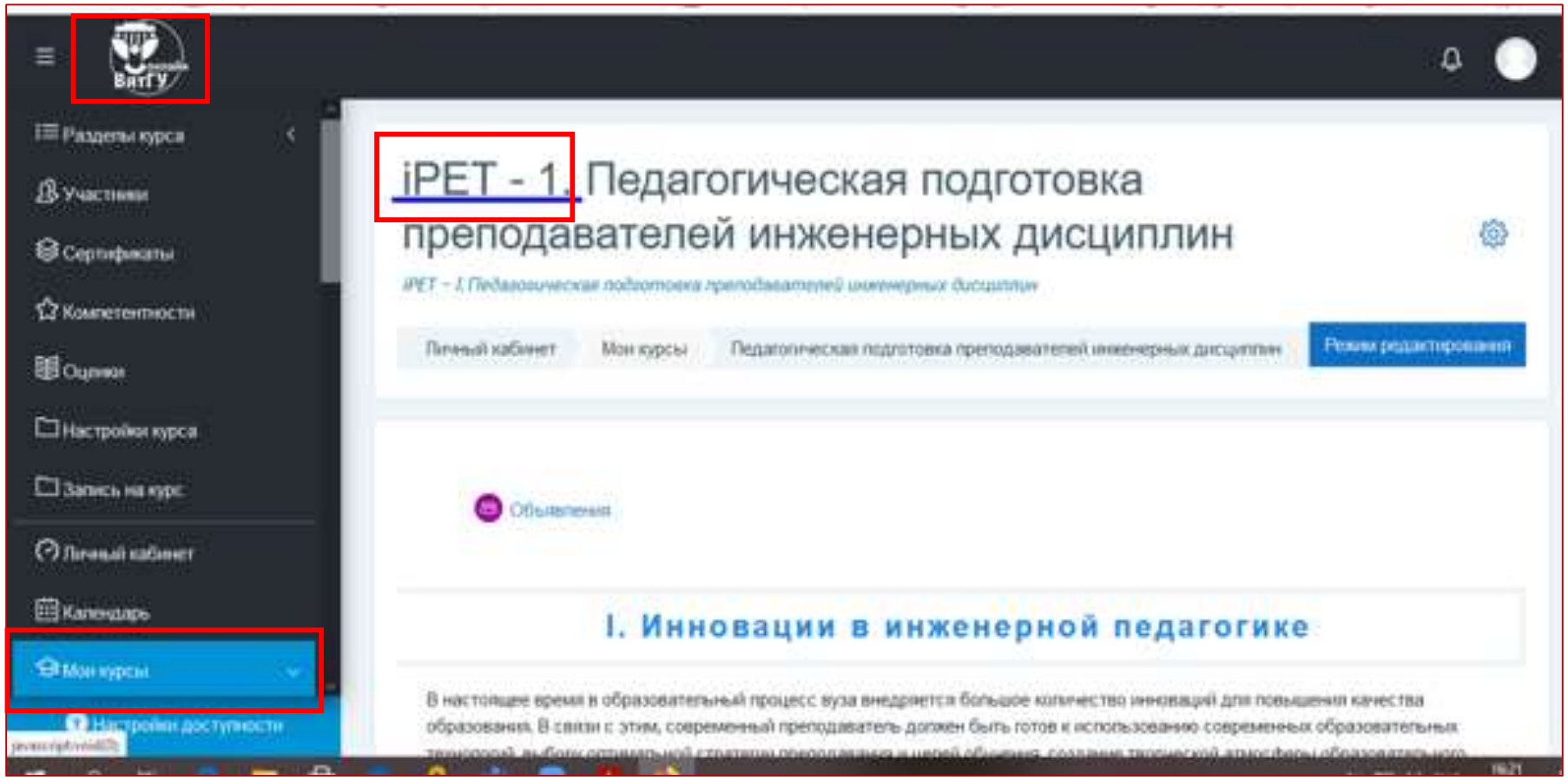
- December 2020
- 23 Students VyatSU (RF) + TSTU (RF) + KSU (KZ) + KASNU (KZ)
- 3 Lectors RF+KZ

VyatSU iPET on-line service

iPET-3

iPET-2

iPET-1



https://e.vyatsu.ru/course

iPET programs – summary

- Who can study at the iPET program?
- What kind of teaching experience should the participants have?
- What is the language of the training?
- Can only ENTER partner universities teachers enroll in the iPET program?
- How can I apply to study at the iPET program?

ENTER register available

Aimed to create a digital international individual registration procedure **to assess** and certify the level of professional competence of the tertiary level engineering educators.

If the achieved level of the engineer educators' professional competences corresponds to the criteria based on the best international practices, the procedure regulates the registration of the educator and will issue an international digital professional **card**, allowing broader recognition of professional educators' qualifications worldwide.

The ENTER register as an International Professional Engineer Educator Register provides **transparency** and empowers the higher education institutions (HEIs) to consider certified educators from different countries for their high-profile faculty vacancies.

Simultaneously the proposed certification induces educators to improve their **skills and competencies** in general.

welcomed to submit their interest to be included in this International Professional Register available

via erasmus.enter@gmail.com

Vyatka State University

Thank you for your attention!

Zhn_merklulova@vyatsu.ru