



THE MINISTRY FOR
SCIENCE AND HIGHER
EDUCATION OF THE
RUSSIAN FEDERATION



DON
STATE
TECHNICAL
UNIVERSITY

DON STATE TECHNICAL UNIVERSITY

www.donstu.ru

ROSTOV-ON-DON

SOUTHERN BUSINESS AND INDUSTRIAL CAPITAL



1 352 000

population

348 KM²

area

90 000+

enterprises and companies

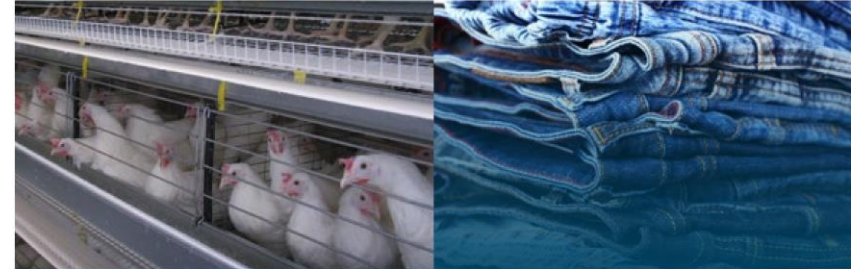
TOP-10 AWARDEE

“investment attractive city”

www.rostov-gorod.ru

STRATEGIC CLUSTERS

- machine engineering and equipment
- food industry
- aircraft engineering
- chemical industry
- light industry
- metallurgy



DON STATE TECHNICAL UNIVERSITY

1930



North-Caucasus Institute
of Agricultural Machinery
Building

1992



Don
State
Technical
University

2016



The Flagship University



5 000+

staff

46 000+

students



3 000+

international
students



5

branches



134

departments

24

faculties

341

study programs

DSTU STRUCTURE



5

fields of study

ARTS & HUMANITIES

**LIFE SCIENCES &
BIO MEDICINE**

NATURAL SCIENCES

SOCIAL SCIENCES

ENGINEERING & IT



24

faculties

134

departments

AGRIBUSINESS

**AIRCRAFT
ENGINEERING**

**ARCHITECTURE, ART
AND DESIGN SCHOOL**

**AUTOMATION,
MECHATRONICS AND
CONTROL**

**CONSTRUCTION AND
ENGINEERING**

**INNOVATIVE BUSINESS
AND MANAGEMENT**

INTERNATIONAL

**IT AND ECONOMIC
SYSTEMS**

**PSYCHOLOGY,
PEDAGOGY AND
DEFECTOLOGY**

SERVICE AND TOURISM

**MECHANICAL
ENGINEERING**

**MEDIA
COMMUNICATIONS
AND MULTIMEDIA
TECHNOLOGIES**

OIL AND GAS INDUSTRY

**PHYSICAL TRAINING
AND SPORTS**

**ROAD TRANSPORT
ENGINEERING**

**SOCIAL AND HUMAN
SCIENCES**

**TOOL ENGINEERING
AND TECHNICAL
REGULATION**

**TRANSPORT, SERVICE
AND MAINTENANCE**

**CIVIL AND INDUSTRIAL
ENGINEERING**

**LIFE SAFETY AND
ENVIRONMENTAL
ENGINEERING**

**IT-SYSTEMS AND
TECHNOLOGIES**

MACHINERY ENGINEERING AND EQUIPMENT

LAW

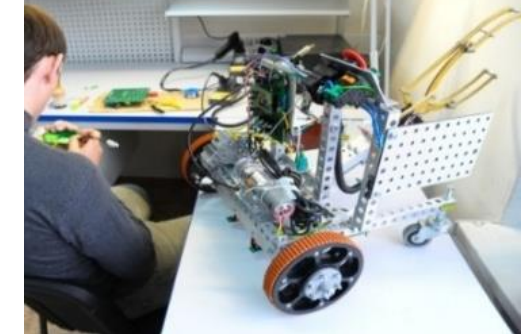
STUDY PROGRAMS

PHD (3 YEARS)	ENGINEERING & IT	NATURAL SCIENCES	SOCIAL SCIENCE	ARTS & HUMANITIES	
MASTER (2 YEARS)	ENGINEERING & IT	ARTS & HUMANITIES	NATURAL SCIENCES	SOCIAL SCIENCE	LIFE SCIENCES & BIO MEDICINE
BACHELOR (4 YEARS)					
SECONDARY EDUCATION	TECHNICAL LYCEUM	GYMNASIUM	COLLEGES	EMPEROR NIKOLAY II DON CADET SCHOOL	



341
study programs

LIFELONG AND LIFEWIDE LEARNING



REALIZATION OF THE LEARNING STRATEGY DURING THE WHOLE LIFE

PRIMARY
EDUCATION

SECONDARY
EDUCATION

PRE-UNIVERSITY
EDUCATION

HIGHER
EDUCATION

POSTGRADUATE
EDUCATION

CHILDREN'S UNIVERSITY



- theatre studio
- art studio
- basics of robotics with programming elements
- mental arithmetic
- oil painting
- learning by playing
- psychological module

«ТОЧКА КИПЕНИЯ»



- Agro NTI
- NTI University
- EnergyNet
- FashionNet
- EduNet
- Mentorship
- digital economy
- neurotechnology
- gastronomic tourism
- Future professions
- Business initiative support program



TECHNOPARK «QUANTORIUM» FOR CHILDREN

- Aeroquantum
- Bioquantum
- IT-quantum
- Roboquantum
- Energyquantum
- promdesign
- Hi-tech cluster



BUSINESS INCUBATOR «GARAGE»



- One-stop-shop principle
- Access to laboratories
- Assistance in project promotion
- Modern and convenient workspace
- Effective exchange of ideas and experience
- Perfect environment for business



NATIONAL AND INTERNATIONAL PARTNERS

FOR SUSTAINABLE INSTITUTIONAL AND REGIONAL DEVELOPMENT




CORPORATE DEPARTMENTS



19

corporate
departments

-  Transport systems and logistics
-  Multimedia communications and technologies
-  Clothes design and production
-  Steel and its alloys production technologies
-  Industrial metrology
-  Aircraft engineering
-  Transport machinery
-  Drive systems
-  Power plant engineering
-  Hardware and software systems
-  Ecological inspection and permitting activities

-  Automated control systems
-  Radiolocation complexes and navigation systems
-  Aircraft systems for special operations manufacturing technology
-  Technical means of fish farming
-  Agribusiness products processing technologies and equipment
-  Heat and gas supply systems
-  Agricultural machinery engineering and production
-  Non-ferrous metal processing
-  Orthodox culture and theology
-  Design and engineering support of drive systems production

DSTU FACILITIES

RDI AND SPIN-OFF POOL



- 4 research and education centers
- 30 labs incl. co-departmental (Camozzi, Mitsubishi, Alcoa, Festo, Kovosvit MAS, etc.)
- Rosatom Nuclear Energy Centre
- Nanotechnologies Education Park
- South Russia Engineering Centre
- Robotics Resource Centre
- Technopark
- Mediapark
- Agrotechnopark
- 10 spin-off companies



DSTU FACILITIES



30 faculty buildings

10 students residence houses

6 branches

CONGRESS HALL

- Concert hall – **1500 seating capacity**
- Multimedia rooms
- Press conference venue
- **Multimedia** equipment
- **Multi-language** broadcasting
- Satellite TV link-up

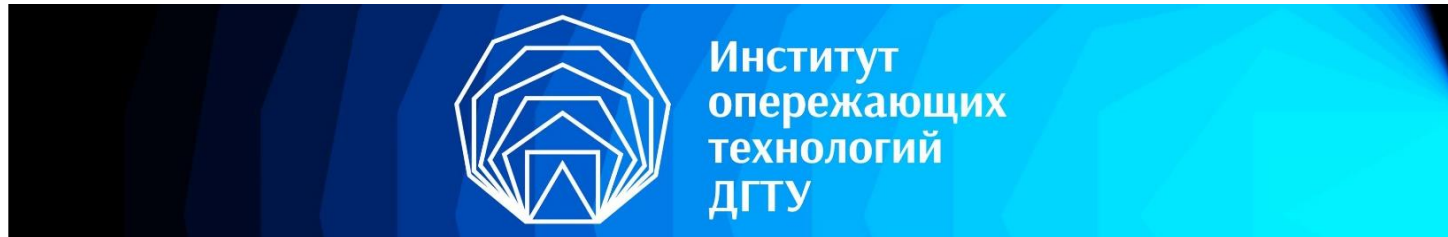


MEDIAPARK

- **Media Lab**
(Radio and TV broadcasting)
- Production center
- Design studio
- TV school
- Cartoon studio



INSTITUTE OF ADVANCED TECHNOLOGIES "SCHOOL X"



individual
educational path



new educational
space



High demand for
graduates



International
networking



Project
work



Engineers
for future



BENEFITS:

- In-depth study of foreign languages
- Additional scholarship
- New dormitories
- Realization of projects with real business partners
- Employment in TOP Russian companies

CAMPUS 4.0

SCIENTIFIC-EDUCATIONAL COMPLEX



NEW DORMITORIES



1200
PLACES



23
FLOORS



CAMPUS 4.0: TECHNOPARK

15,8 ha

Total area

1 140 m²

Metalworking shop

750 m²

Foundry

12 990 m²

Offices



₽ 8 billion

total cost

4 years

implementation period

10 years

credit period

KEY PARTNERS



MAIN SCIENCE AREAS

RISK-ORIENTED TRANSFORMATION OF THE AG-INDUSTRIAL COMPLEX

- digitalization of agricultural land monitoring
- precision farming
- the Internet of things, cyber-physical systems and cloud services
- intelligent and self-driving means of agricultural mechanization

RATIONAL KAP PRODUCTION CYCLE

- biomanipulations, biocontrol, biologization of agriculture
- Green economy and sustainable development
- Deep processing of agricultural products
- Technologies and equipment for feed production

BIOLOGICAL AND MEDICAL ENGINEERING

- organic, individualized and functional food products
- nano- and biotechnologies
- additive technologies in medicine
- Prospective technologies and devices in medicine

DIGITAL TRANSFORMATION OF THE INDUSTRIAL COMPLEX

- the Internet of things, cyber-physical systems and cloud services
- equipment diagnostics and non-destructive testing
- Additive technologies and generative design
- Industrial robotic systems

RESOURCE-SAVING ENERGY

- alternative energy
- deep processing of hydrocarbon raw materials
- new energy source
- smart energy networks
- innovative methods of energy storage and recycling

CENTERS OF EXCELLENCE



CENTRE OF EXCELLENCE «ADVANCED ROBOTIC MACHINES AND COMPLEXES »

Machines for balancing flexible rotors development, high technology multi camera systems and unmanned aircraft for threat detection



CENTRE OF EXCELLENCE «ADVANCED MATERIALS»

Multi-layer composite materials for aircraft industry and medicine



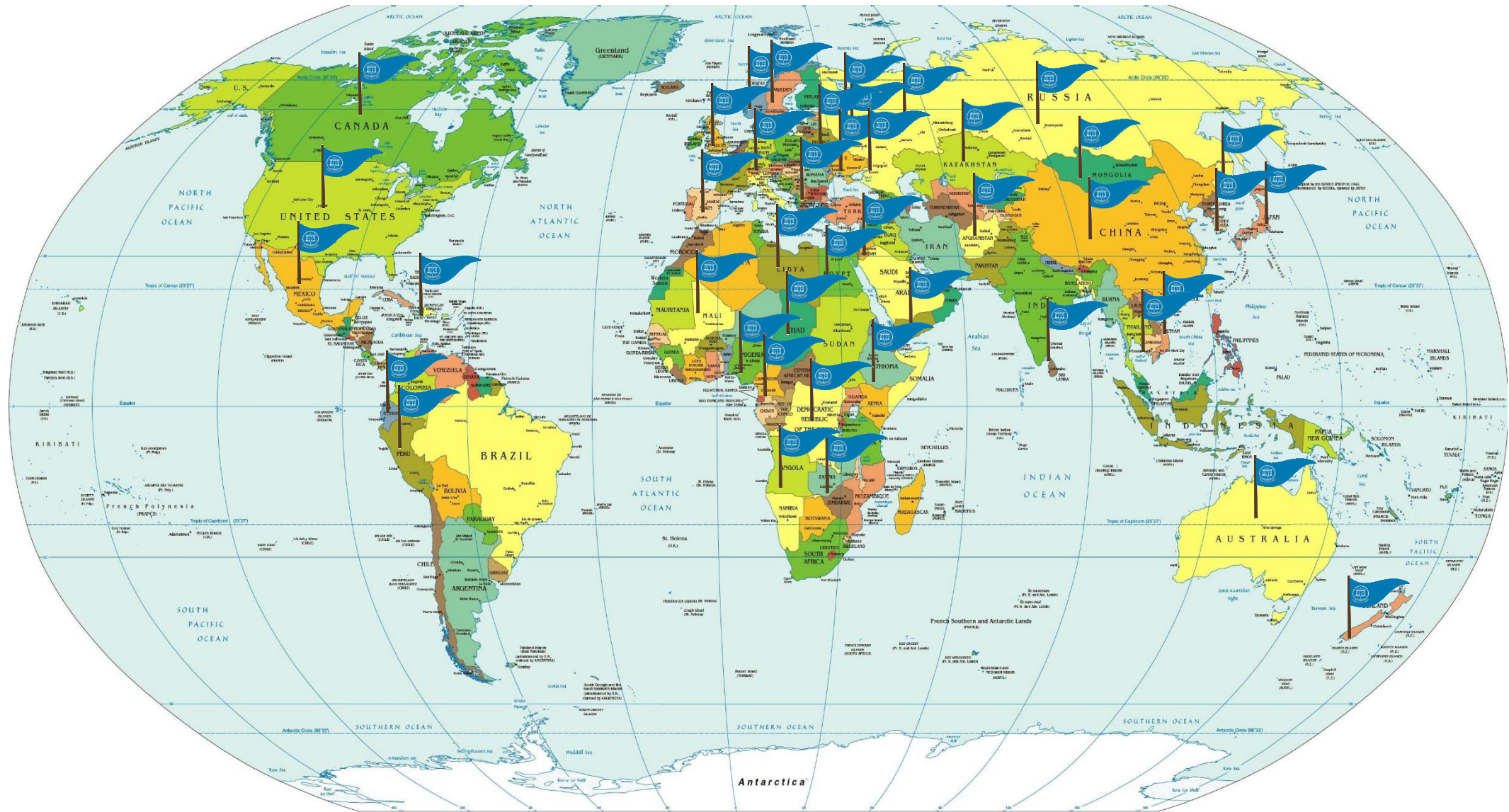
RESEARCH LABORATORY «AGRO- BIOTECHNOLOGICAL CENTER»

Veterinary probiotic drugs for targeted animal health modeling



Professor Mr. Mikhail Chikindas
Head of research laboratory «AGRO-BIOTECHNOLOGICAL CENTER»,
Scientist, Professor of Rutgers University
(USA, New Jersey)

ALUMNI



DSTU IN UNIVERSITY RANKINGS



Times Higher Education
University Impact
Ranking

301+

for the first time in the ranking



Quacquarelli Symonds:
Emerging Europe and
Central Asia

250-300



Quacquarelli Symonds:
BRICS

301-350

for the first time in the ranking



National Rating of
Universities

78-79



Russian universities demand rating:
Engineering universities

43 ↑



100 best universities in
Russia

83 ↑

PARTNER COUNTRIES

EUROPE

-  Spain
-  Germany
-  Georgia
-  Belgium
-  Belarus
-  Denmark
-  Estonia
-  Finland
-  France
-  Italy
-  Poland
-  Portugal
-  United Kingdom
-  Czech Republic
-  Ukraine

ASIA

-  Armenia
-  Azerbaijan
-  China
-  India
-  Indonesia
-  Iran
-  Israel
-  Japan
-  Kazakhstan
-  Kyrgyzstan
-  Moldova
-  Palestine
-  Sri-Lanka
-  Tajikistan
-  Turkey
-  Uzbekistan
-  Vietnam
-  Nepal

AFRICA

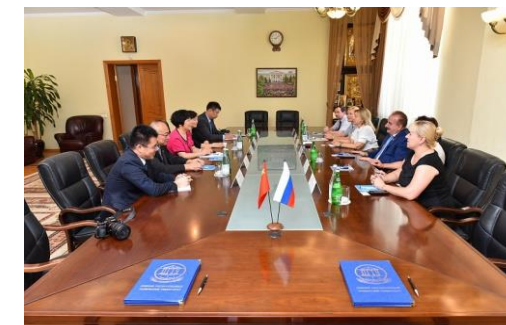
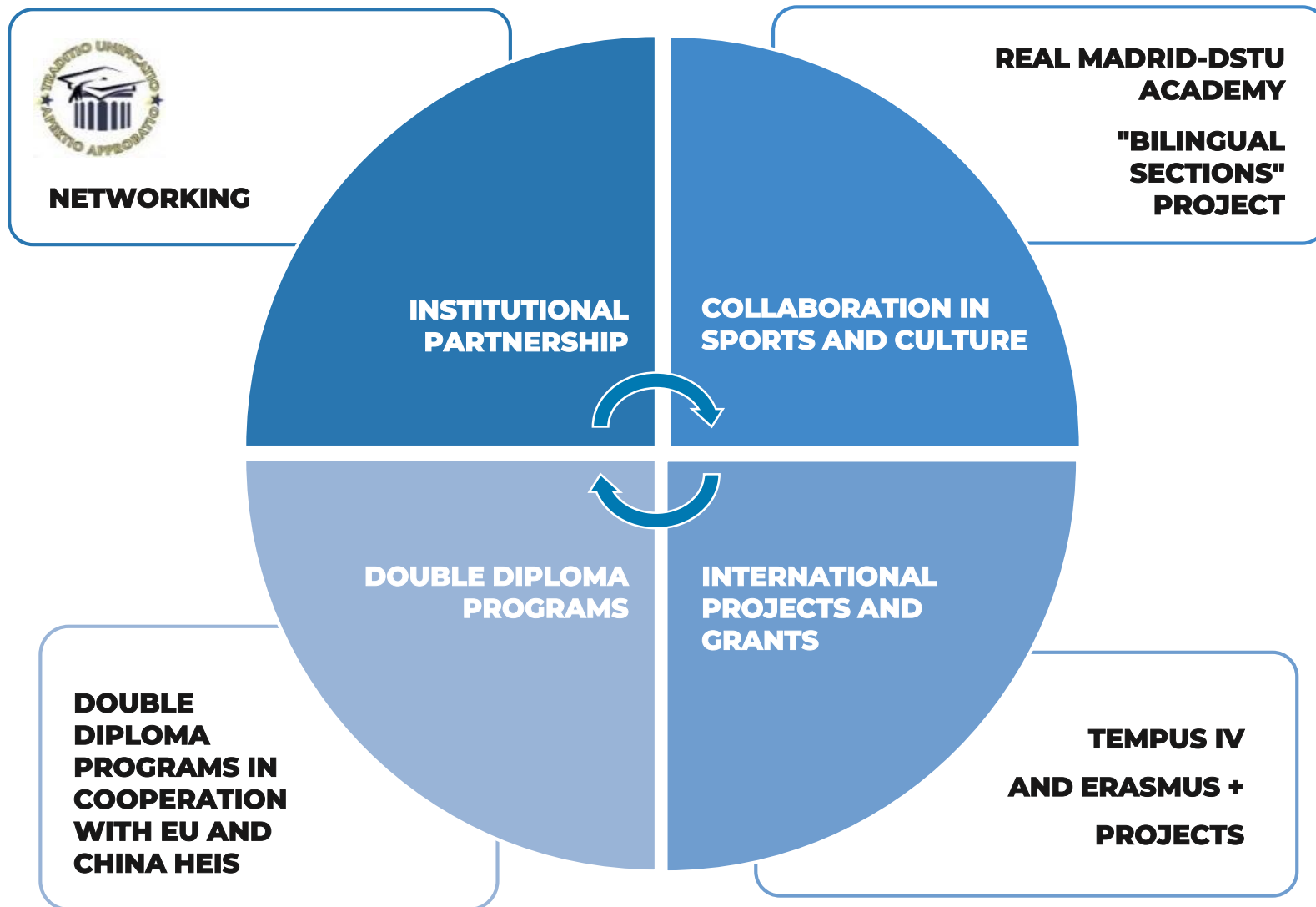
-  Algeria
-  Egypt
-  Ghana
-  Kenya
-  Namibia

AMERICA

-  USA
-  Chile
-  Brazil
-  Venezuela

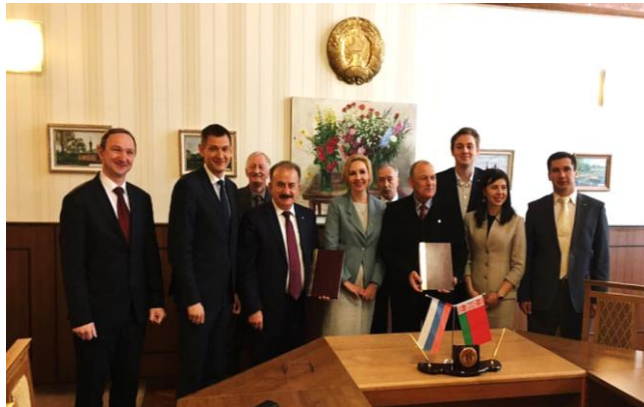


INTERNATIONAL COOPERATION



DSTU – BRAND PROMOTION

OUTREACH INTERNATIONAL EVENTS



IN-HOUSE INTERNATIONAL EVENTS



OFFICIAL VISITS AND DELEGATIONS



INSTITUTIONAL NETWORKING



58

Russian
HEIs

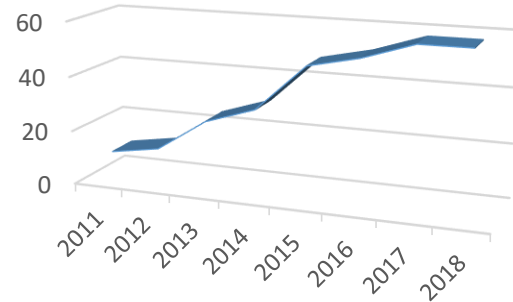
23

international
partners

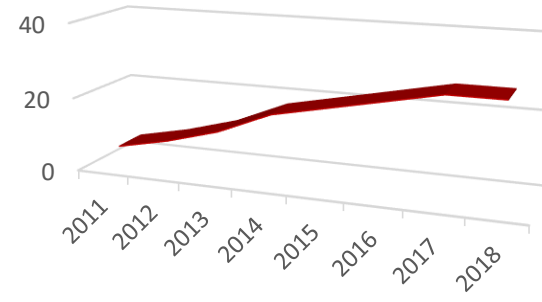
ASSOCIATED PARTNERS:

- ASIIN (Germany)
- NQA (UK)
- EURASHE
- The Holy See
- Flemish community

RUSSIAN FEDERATION



FOREIGN PARTNERS



INSTITUTIONAL NETWORKING

17 INTERNATIONAL PROJECTS Tempus IV, Erasmus+



TEMPUS Erasmus+

EDUCATION

Social work

Engineering education

Material science

Work-based Learning

Ecology
education

HE and VET alliance
establishment

Discover Europe

Energy Saving

Jean Monnet Chair

Tuning Russia

RECOGNITION

Validation of non-formal
and informal learning

Independent quality
assurance of programs

Electronic quality
assessment of programs

Qualification framework
for "tourism"

REGIONAL DEVELOPMENT

Employability
centers

University-to-Business
partnership

Spin-off companies
network



Assessment of
Higher Education
Learning Outcomes



INSTITUTIONAL NETWORKING

THE CDIO INITIATIVE



(Conceive, Design, Implement and Operate)
An innovative educational framework for producing the next generation of engineers

DSTU

coordinator of CDIO standards and principles dissemination

THE MAIN GOAL:

bringing authentic engineering challenges to inspire next generation of engineers



154
HEIs

42
countries



SPACE European Network for Business Studies and Languages
September 2017



Silk Road High-Tech Parks Alliance
June 2016



“SILK ROAD HIGH-TECH PARKS ALLIANCE”



5 July 2016

Yantai

**SILK ROAD HIGH-TECH
PARKS ALLIANCE**

Pact Signing
(SRSPA Pact)



DON UNIVERSITY SJU-DSTU



18.06.2019

320

students per year

JOINT EDUCATIONAL PROGRAMS

СТРОИТЕЛЬСТВО МОСТОВ И ТОННЕЛЕЙ

ORGANIZATION OF TRANSPORTATIONS AND TRANSPORT MANAGEMENT

FINANCIAL MANAGEMENT (since 2020/2021)

RUSSIAN AS A FOREIGN LANGUAGE TEXTBOOK FOR CHINESE STUDENTS



PROGRAMS TAUGHT IN FOREIGN LANGUAGES

POST GRADUATE SPECIALIZED COURSE (5 YEARS)

- Veterinary Medicine



MASTER'S

- Smart Systems Based on BlockChain Technology
- Media and Communications
- Economics
- Civil Engineering
- Urban Planning



INSTITUTIONAL NETWORKING

«BILINGUAL SECTIONS» PROJECT

**DON STATE
TECHNICAL
UNIVERSITY**
(RUSSIA)

**MINISTRY FOR
EDUCATION, CULTURE
AND SPORT**
(SPAIN)

**RUSSIAN CERIFICATE OF
SECONDARY EDUCATION**

DIPLOMA DEL BACHILLERATO

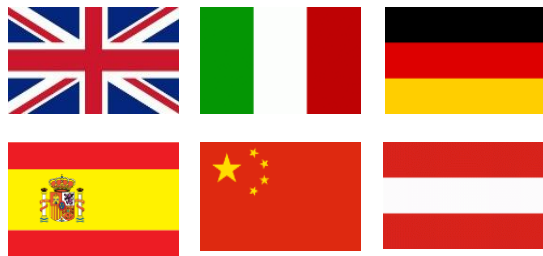
- coordination and support
- dissemination of Spanish language
- special courses for last year students
- introductory courses
- in-depth courses



DSTU- ACADEMIC MOBILITY

- AM programs monitoring and administration
- outreach info sessions
- face-to-face sessions
- database of AM applicants

LANGUAGE ASSISTANTS – 35



VISITING PROFESSORS - 42

- Georgius Agricola - Czech Republic
- Monodukuri - Kindai University, Japan
- Erasmus+ - Madrid, Spain
- Stipendium Hungaricum - Hungary
- Mevlana - Turkey
- DAAD - Germany
- Fulbright - the USA
- Cargill - Europe-Asia
- TU Wien - Austria
- Sorbonne-Identite, Campus France - France
- Griffith College Dublin - Ireland
- Glasgow Kelvin College ,
University of the West of Scotland - GB
- Shenyang University, Harbin University,
Shandong Jiaotong University- China

SUMMER SCHOOLS

INTERNATIONAL STUDENTS' MEDIA EXPEDITIONS «ROUTES OF THE QUITE DON»



SUMMER SCHOOLS OF LANGUAGE+ MODEL

«RENEWABLE ENERGY SOURCES AND GREEN TECHNOLOGIES»



«TRANSPORTATION ORGANIZATION AND AUTO TRANSPORT MANAGEMENT»



«URBAN PLANNING AND RECONSTRUCTION: FIFA WORLD CUP»



INTERNATIONALIZATION OF THE EDUCATIONAL PROCESS

10

Educational programs in English

12

joint educational programs

29

Disciplines and modules in English

6

Summer schools



34

Visiting professors

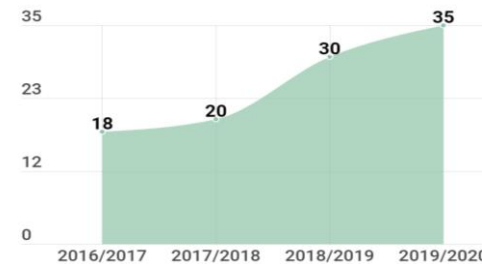
28

Language assistants

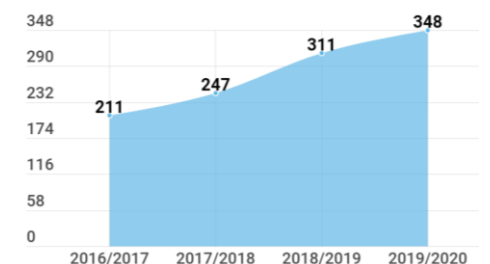


ACADEMIC MOBILITY

Number of programs



Number of participants



- MONODUKURI
- FULBRIGHT
- MEVLANA

- CARGILL
- DAAD
- GEORGIUS AGRICOLA

- STIPENDIUM HUNGARICUM
- ERASMUS+ KAI

INTERNATIONAL EDUCATION

PREPARATORY PROGRAMS / INTERNATIONAL FACULTY:

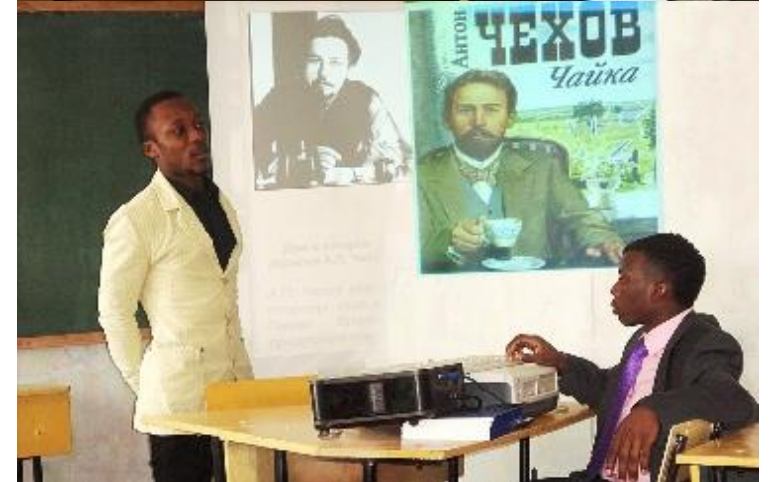


COURSES

- RFL courses
- International Summer schools
- Russian for business and entrepreneurship
- Module-based Russian language study programs

TORFL

- National certificate/6 levels



EUROPEAN DIPLOMA SUPPLEMENT

Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.).

DS is issued by the Center of Evaluation of Educational Documents of Don State Technical University and enables our graduates to continue their education or start career in any of European Higher Education Area countries.



SOCIAL LIFE

STUDENT HEALTH AND SPORTS COMPLEX «RADUGA»

4 residences **1500** person holding capacity

5 sports fields **700** seat conference room



DSTU-REALMADRID ACADEMY

Project overview

- promotion of civil responsibility, tolerance and social activity
- Real Madrid methodical support, coach and manager training
- regional sports infrastructure development



STUDENT SPORT

36

student sports
teams

TEAMS:

football
track-and-field athletics
basketball
handball
cheerleading for
both kids and adults, etc.



DSTU FACILITIES

CONVENTION AND EXHIBITION CENTER “DON COSSACK GUARD”



400+
exhibition
showpieces

27
years spent on
collection creation

30
complete set of
historical uniforms
and equipment

20 000
photos in the center
archives

MAPPING FURTHER COOPERATION



CONTACTS

Alina Vinitskaya
International Partnership
and Protocol Centre
+7 (863) 2-738-785
dstu_oms@mail.ru
cipp@donstu.ru

- Russian language module study programs for all age groups and purposes
- R&D and spin-off companies for implementation of joint research
- promotion platform for regional academic and business collaboration
- creation of joint educational programs based on the "university-business" model, including upgrade-courses and MBA/MPA programs
- technical expertise, consulting, project management
- academic mobility programs
- MICE-services: organization and holding of intercultural events, forums, workshops, show-rooms and others



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DON
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UNIVERSITY

**THANK YOU FOR YOUR
ATTENTION!**

www.donstu.ru

CONTACTS

ALINA VINITSKAYA

INTERNATIONAL PARTNERSHIP AND PROTOCOL CENTRE

+7 (863) 2-738-785

dstu_oms@mail.ru

cipp@donstu.ru

www.donstu.ru