



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



2 608

international
students



6

branches



134

departments

23

faculties

341

study programs

DSTU STRUCTURE



5

fields of study

ARTS & HUMANITIES

LIFE SCIENCES &
BIO MEDICINE

NATURAL SCIENCES

SOCIAL SCIENCES

ENGINEERING & IT



23

faculties

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

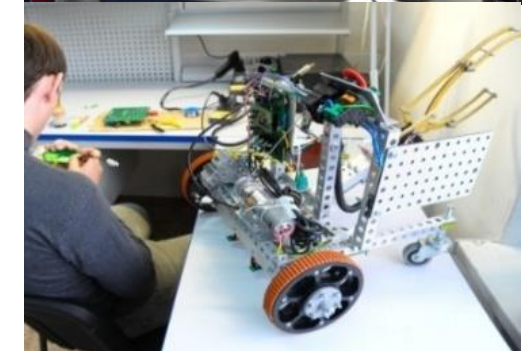
STUDY PROGRAMS

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



341
study programs

LIFELONG AND LIFEWIDE LEARNING



NATIONAL AND INTERNATIONAL PARTNERS

FOR SUSTAINABLE INSTITUTIONAL AND REGIONAL DEVELOPMENT

РОСТСЕЛЬМАШ



CORPORATE DEPARTMENTS



21

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



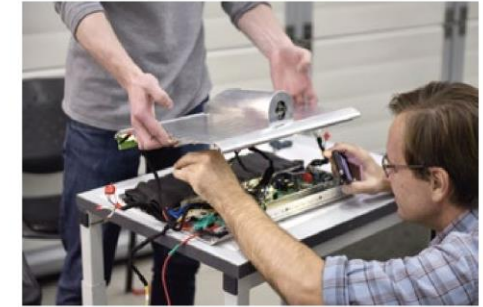
Design and engineering support
of drive systems production

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



DSTU FACILITIES

INDUSTRIAL CO-WORKING SPACE



- one-stop operation principle
- access to industrial laboratories
- project promotion support
- open-plan area
- mobile equipment and facilities
- ideas and experience exchange platform
- excellent environment for business development

25 small businesses

13 13 project teams
(9 with student participation)



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

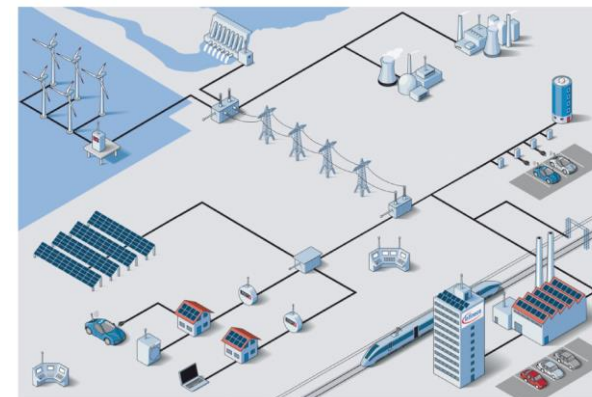


CENTRE OF EXCELLENCE «ADVANCED MATERIALS»

Multi-layer composite materials for aircraft industry and medicine

CENTRE OF EXCELLENCE «INTELLIGENT ENERGY»

Innovative technological solutions for energy saving for businesses

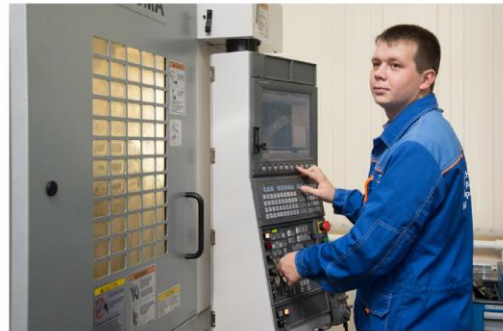


CENTRE OF EXCELLENCE «BIOTECHNOLOGIES»

Next generation agricultural machines and innovative solutions for ecological restoration of regional river basins



CENTERS OF EXCELLENCE



CENTERS OF EXCELLENCE «ADVANCED ROBOTIC MACHINES AND COMPLEXES»



- Pressing machines for assembly and disassembly of cardan shafts
- Machines for balancing flexible rotors
- High technology multi-camera systems and unmanned aircraft for threat detection
- Batch manufacturing of container-type greenhouses (hydroponics)

CENTERS OF EXCELLENCE



CENTERS OF EXCELLENCE «PROSPECTIVE MATERIALS»

AVIATION CONSTRUCTION

Creation and implementation of cutting edge technologies:

- Multi-layer composite materials
- Varnish and paint coatings

Reduction of aircraft fuel consumption by

3-5%

Mechanochemical technologies for production of functional hybrid materials based on graphene

MEDICINE

Biomechanics of mouth and eyeball tissue, and optimized biocompatible materials for implantation

Grant

90 million rubles

Project Leader – Prof. **Michael Vincent Swayne**, University of Sydney

CENTERS OF EXCELLENCE



CENTERS OF EXCELLENCE «INTELLIGENT ENERGY»



30

innovative
technological
solutions for
implementation
by businesses

50

intelligent
energy
projects for
state-owned
companies



15%

decrease in
energy resource
consumption
through construction
streamlining and
intellectual control

30%

decrease in power
losses and electricity
usage costs to
businesses

CENTERS OF EXCELLENCE



Next generation
agricultural machine
production
(joint project with
JSC Rostselmash)

2,5%

Increased grain purity,
and **halving** of grain
loss during harvesting

CENTERS OF EXCELLENCE «BIOTECHNOLOGIES»

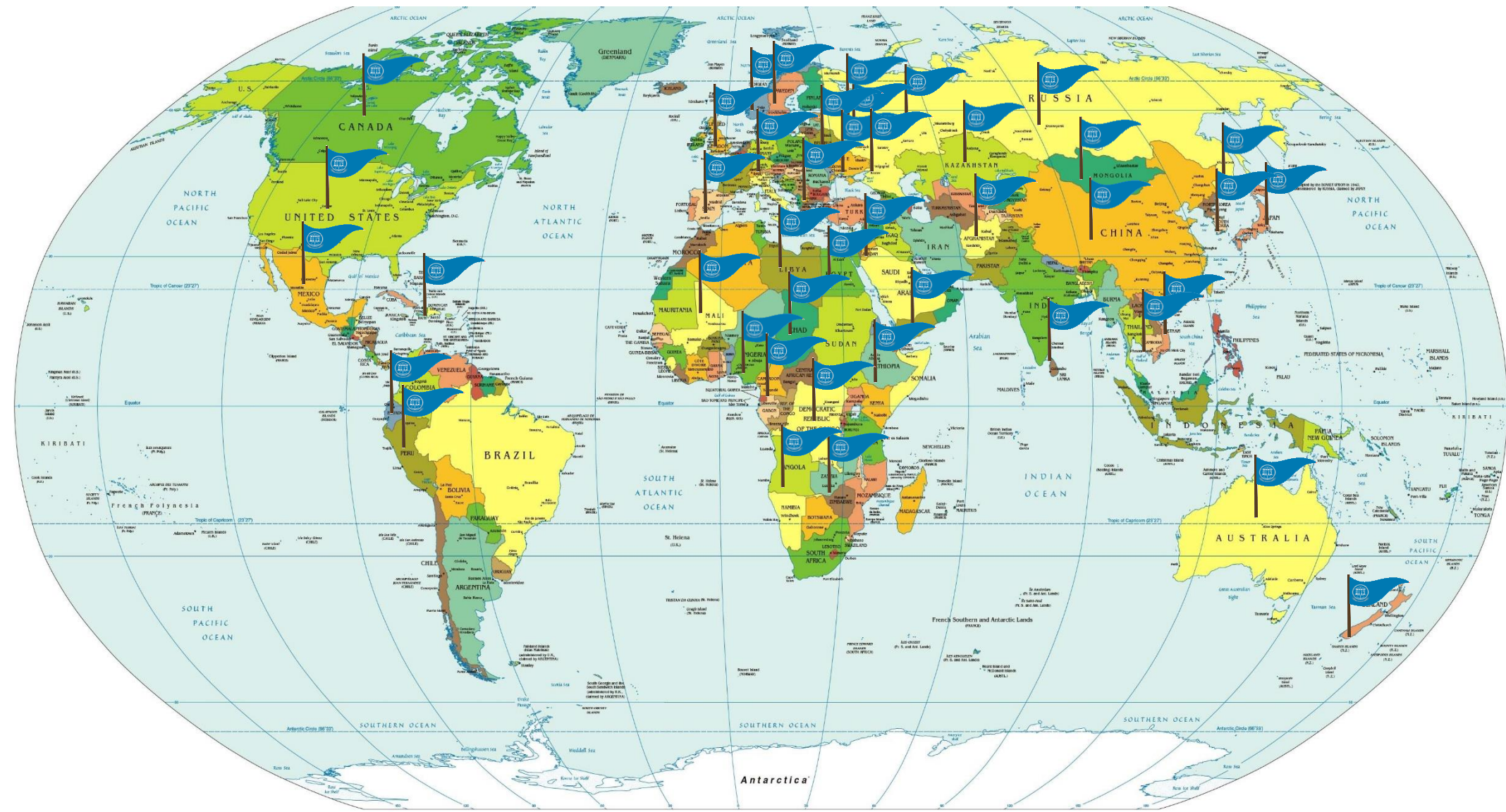


Innovative solutions in
ecological restoration
of river basins
(through increasing
food potential with
microalgae)

Tenfold

increase in biological
productivity of rivers

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



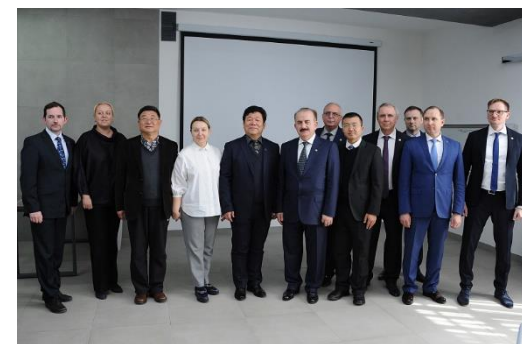
ASIA



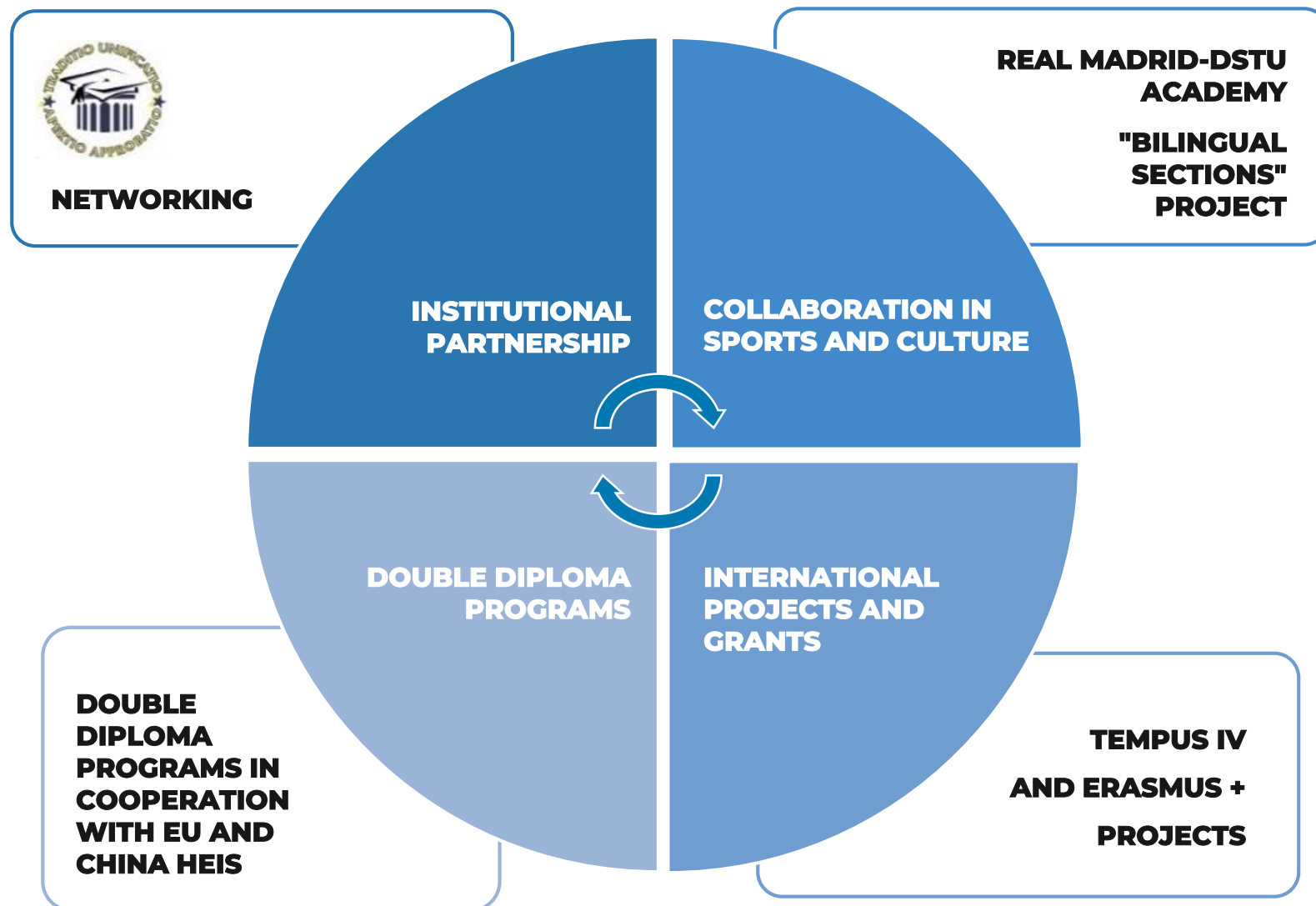
AFRICA



AMERICA

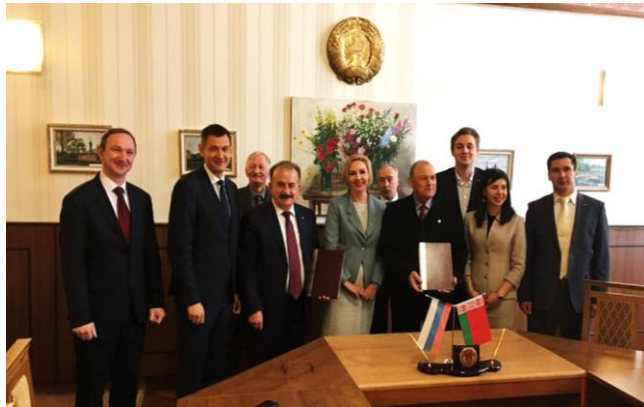


INTERNATIONAL COOPERATION



DSTU – BRAND PROMOTION

OUTREACH INTERNATIONAL EVENTS



IN-HOUSE INTERNATIONAL EVENTS



OFFICIAL VISITS AND DELEGATIONS



INSTITUTIONAL NETWORKING



58

Russian
HEIs

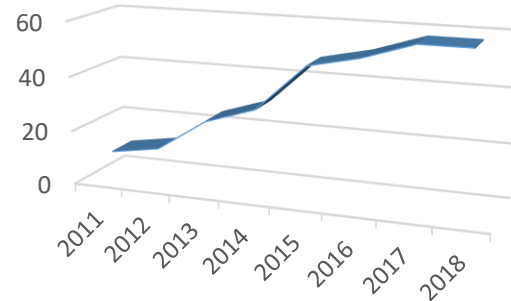
23

international
partners

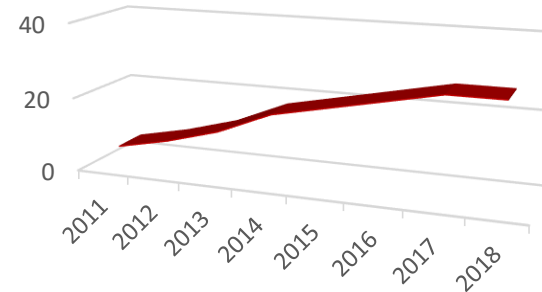
ASSOCIATED PARTNERS:

- 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



154
HEIs

42
countries

DSTU

coordinator of CDIO standards and principles dissemination

THE MAIN GOAL:

bringing authentic engineering challenges to inspire next
generation of engineers



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**

**CONSTRUCTION OF BRIDGES
AND TUNNELS**

**ORGANIZATION OF
TRANSPORTATIONS AND
TRANSPORT
MANAGEMENT**

**FINANCIAL MANAGEMENT
(since 2020/2021)**



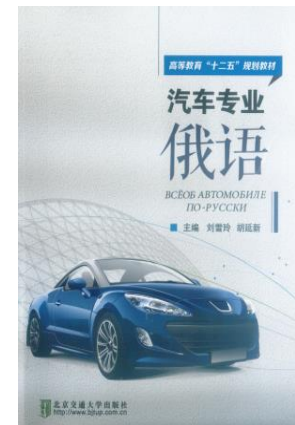
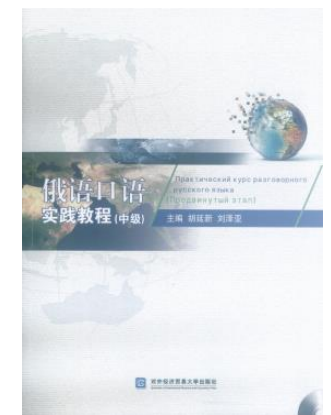
STU-DSTU PARTNERSHIP – SINCE 2004

joint project in the framework of Don Institute STU-DSTU

RUSSIAN AS A FOREIGN LANGUAGE TEXTBOOK FOR CHINESE STUDENTS



OTHER TEXTBOOKS AND STUDY GUIDES



RUSSIAN AS A FOREIGN LANGUAGE TEXTBOOK «Мы»

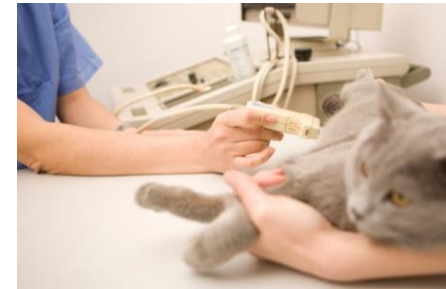
- communicative method
- cultural and country studies activities
- project work activities



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

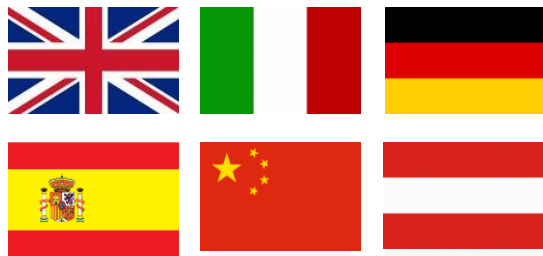
- coordination and support
- dissemination of Spanish language
- special courses for last year students
- introductory courses
- in-depth courses



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

TRANSPORT AND ROAD MANAGEMENT



**64
STUDENTS
FROM CHINA**

ENERGY SAVING



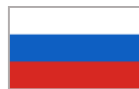
**18
STUDENTS
FROM GERMANY**

URBAN REDEVELOPMENT FOR HOSTING FIFA WC 2018



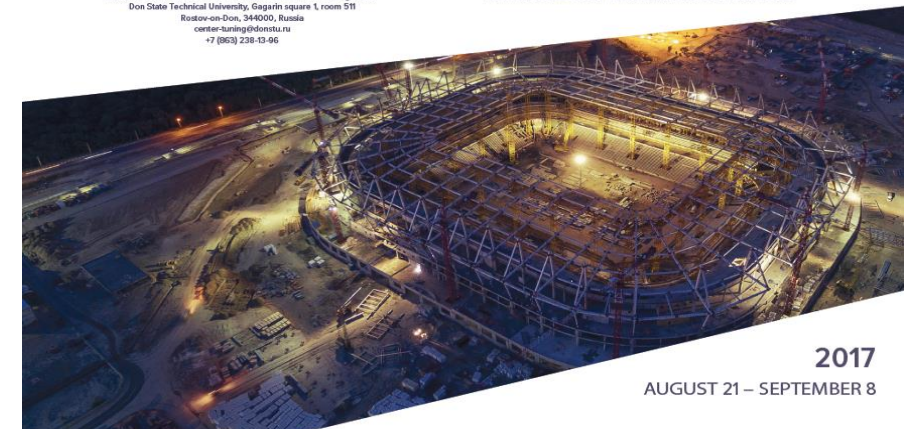
**9
STUDENTS
FROM THE UK**

**SUMMER
CAMPS**



SUMMER SCHOOL COORDINATORS
Sergei Meshchelakov, Head of International Cooperation Department
Maria Selezneva, Director of International Education and Training Center
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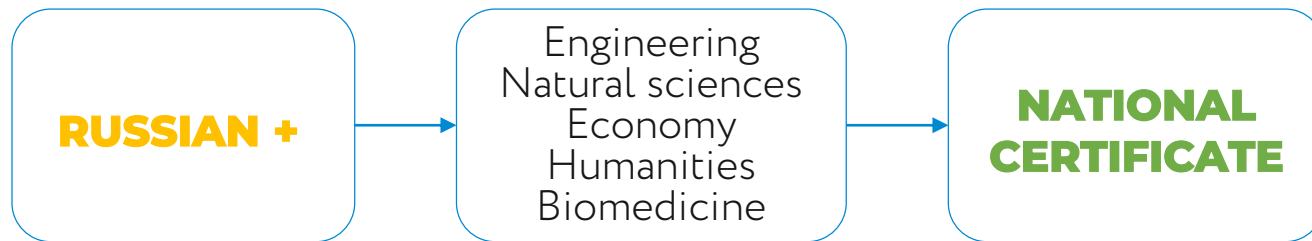
International Summer School
**URBAN REDEVELOPMENT FOR HOSTING
FIFA WORLD CUP 2018 IN ROSTOV-ON-DON**



2017
AUGUST 21 – SEPTEMBER 8

INTERNATIONAL EDUCATION

PREPARATORY PROGRAMS / INTERNATIONAL FACULTY:

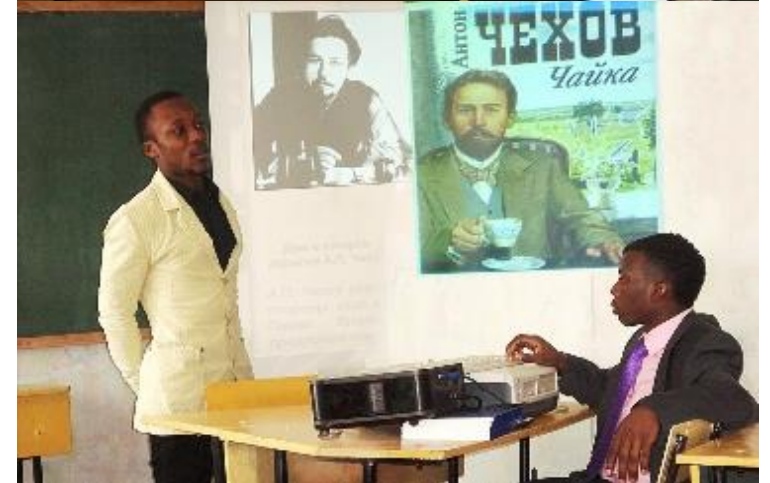


COURSES

- 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.



TECHNOPARK “QUANTORIUM” FOR CHILDREN



FIELDS:

- aeroquantum
- bioquantum
- IT-quantum
- roboquantum
- energyquantum
- industrial design
- hi-tech cluster

MAIN AIM:

to train future engineers and to unravel talented children by their creative work in the field of science and technology.



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

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International Partnership
and Protocol Centre
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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
STATE
TECHNICAL
UNIVERSITY

**THANK YOU FOR YOUR
ATTENTION!**

www.donstu.ru

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