

**V.I. VERNADSKY  
CRIMEAN FEDERAL UNIVERSITY**

**Vernadsky CFU**

# V.I. Vernadsky Crimean Federal University's Focus Areas

# History of the University

The history of the largest university in Crimea dates back to 1918 when the peninsula's first institution of tertiary education, the Taurida University, was established. Among its notable founders were prominent Russian scientists Vladimir Vernadsky, Roman Gelwig, Nikolay Andrusov, Mikhail Bogoslovsky, Vladimir Obruchev, and Vladimir Palladin.

Although the number one university in Crimea has born different names over the years, its essence has remained the same: high quality of education and research.





# VERNADSKY CFU's FOCUS AREAS

Today, V.I. Vernadsky Crimean Federal University comprises 10 academies and institutes, 7 institutions of secondary vocational education, 12 academic branches, and 40 research and science units

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme



# Vernadsky CFU's Academic Units



**The Taurida Academy** is an academic unit of the Vernadsky CFU with a rich, century-long history.

The Academy is comprised of:

- The Faculty of Biology and Chemistry
- The Faculty of Geography
- The Faculty of History
- The Faculty of Crimean Tatar and Oriental Philology
- The Faculty of Mathematics and Informatics
- The Faculty of Psychology
- The Faculty of Slavic Philology and Journalism
- The Faculty of Physical Education and Sports
- The Faculty of Philosophy
- The Faculty of Law
- The Faculty of Information and Printing Technologies
- The Institute of Foreign Philology



# Vernadsky CFU's Academic Units

The roots of the Medical Academy named after S.I. Georgievsky go back to the Faculty of Medicine of the Taurida University. Today, the Academy produces competent health professionals for Crimea, Russia, and dozens of countries around the world.

The Academy comprises:

- The 1st Medical Faculty
- The 2nd Medical Faculty
- The Stomatological Faculty
- The International Faculty
- The Faculty of Post-Diploma Education



# Vernadsky CFU's Academic Units

The history of the Academy of Construction and Architecture dates back to 1960. Nowadays, the Academy offers programmes in construction, urban planning and landscape architecture, power engineering, municipal and water management.

The Academy includes:

- The Faculty of Construction and Architecture
- The Faculty of Water Resources and Power Engineering
- Consol Targeted Training Institute
- Centre for Further Education
- Graduation Projects Centre



# Vernadsky CFU's Academic Units



The history of the Academy of Bioresources and Environmental Management has begun in 1922 when the Faculty of Agronomy of the Taurida University was made an independent institution of higher agricultural education.

Today, the Academy consists of:

- The Faculty of Agronomy, Horticulture, Landscape Architecture, and Forestry
- The Faculty of Veterinary Medicine
- The Faculty of Land Management and Geodesy
- The Faculty of Mechanization of Agricultural Production and Technologies for Agricultural Products Processing



# VERNADSKY CFU'S FOCUS AREAS

In 2015, several **new academic units** have been established within the **Vernadsky CFU** by merging some of the existing units:

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Admission Campaign

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## Physics and Technology Institute



## Institute of Economics and Management



## Research Library

comprises the libraries of all academic units



## Institute of Foreign Philology

of the Taurida Academy



As part of the development of the concept of humanitarian education, departments of history, cultural studies, philosophy, and foreign languages of some of the Vernadsky CFU's academic units and branches were merged.



# Vernadsky CFU's Academic Units



The Institute of Economics and Management has 14 departments offering degree and further education programmes in Economics and Management at the Bachelor's, Master's, and PhD levels



# Vernadsky CFU's Academic Units

**The Physics and Technology Institute** was established in 2015.

The Institute comprises 7 departments:

- The Department of General Physics
- The Department of Theoretical Physics and Solid State Physics
- The Department of Experimental Physics
- The Department of Radiophysics and Electronics
- The Department of Computer Engineering and Modelling
- The Department of Electric Power Supply and Physics
- The Department of Medical Physics and Informatics



# Vernadsky CFU's Branches



The Humanities and Education Science Academy is the Vernadsky CFU's branch in Yalta. It includes the following academic units:

- Institute of Philology, History and Arts
- Institute of Education Science, Psychology and Inclusive Education
- Institute of Economics and Management
- College of Economics and Education Science.

Among other degrees, the Academy offers a Bachelor's degree programme in Chinese Language.



# Vernadsky CFU's Branches

**The Yevpatoria Institute of Social Sciences** comprises the following four departments:

- Department of History and Legal Studies
- Department of Primary and Pre-Primary Education
- Department of Social Pedagogics and Psychology
- Department of Philology Courses and Methods of Teaching Philology Courses



# Vernadsky CFU's Branches

## The Institute of Pedagogical Education and Management in Armiansk

offers degree programmes in the following areas:

- Management
- Pedagogical Education
- Psychological and Pedagogical Education
- Philology



# Vernadsky CFU's Branches

## Sevastopol Economics and Humanities Institute

offers programmes in the following areas:

- Tourism
- Management
- Psychology
- Physical Education
- Public and Municipal Administration
- Physical Education for Persons with Special Needs (Adaptive Physical Education)
- Legal Studies
- Recreation and Sport and Recreation Tourism





# VERNADSKY CFU's FOCUS AREAS

## Organisation of the Academic Process

**309 programmes, including:**

- ✓ 131 Bachelor's degree programmes
- ✓ 139 Master's degree programmes
- ✓ 8 Specialist's degree programmes
- ✓ 44 Training programmes for future academic and teaching staff with top qualifications
- ✓ 19 Clinical Residency programmes



***All licensing and state accreditation procedures have been completed***

## Total Number of Students

**36,351 students, including:**

- ✓ 24,540 full-time students
- ✓ 11,643 extra-mural students
- ✓ 168 part-time students



Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme



# VERNADSKY CFU's FOCUS AREAS

Organisational Structure and Management System

Educational process

Admission campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

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## Modernization of the Academic Process Content and Organisation

### Career Guidance

- ✓ 11 Educational Fairs across Crimea
- ✓ 6 Career Guidance Centers established
- ✓ 132 developed and approved additional programmes of preparation for admission exams
- ✓ 10 career guidance projects implemented to attract more applicants with high academic performance
- ✓ Participation in the exhibition titled "Education and Career"

### Graduates Employment

- ✓ More than 1,500 work placement agreements concluded
- ✓ Consultations were provided to 2,357 students and graduates
- ✓ Over 700 Crimean and Russian companies were invited to cooperate
- ✓ 15 Vacancies Fairs were held with participation of over 3,000 students
- ✓ 22 Career Days and a series of round tables with employers were organized

### 13 Affiliated Departments

set up within:

- ✓ Academy of Construction and Architecture – 3
- ✓ Physics and Technology Institute – 2
- ✓ Institute of Economics and Management – 2
- ✓ Institute of Pedagogical Education and Management – 2
- ✓ Academy of Bioresources and Environmental Management – 1
- ✓ Taurida Academy – 1
- ✓ Yevpatoria Institute of Social Sciences – 1
- ✓ Humanities and Education Science Academy – 1







# VERNADSKY CFU's FOCUS AREAS

## Implementation of Network Master's Degree Programmes

Organisational Structure and Management System

Educational process

Admission campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

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Implementation of the Vernadsky CFU's Development Programme

- **8 partner universities**

- **8 areas of training:**

- ✓ Biology (Human and Animal Physiology)
- ✓ Economics (Business Economics)
- ✓ Psycho-Pedagogical Education (Practical Psychology of Education)
- ✓ Philology (Russian Language)
- ✓ Landscape Architecture (Modern Landscape Architecture and Urban Design)
- ✓ Law (Civil Law, Family Law: Theory and Practice)
- ✓ Culturology (Cultural Practices in the Modern Urban World)
- ✓ Plant Products (Fats, Essential Oils, Perfume and Cosmetic Products Technology)



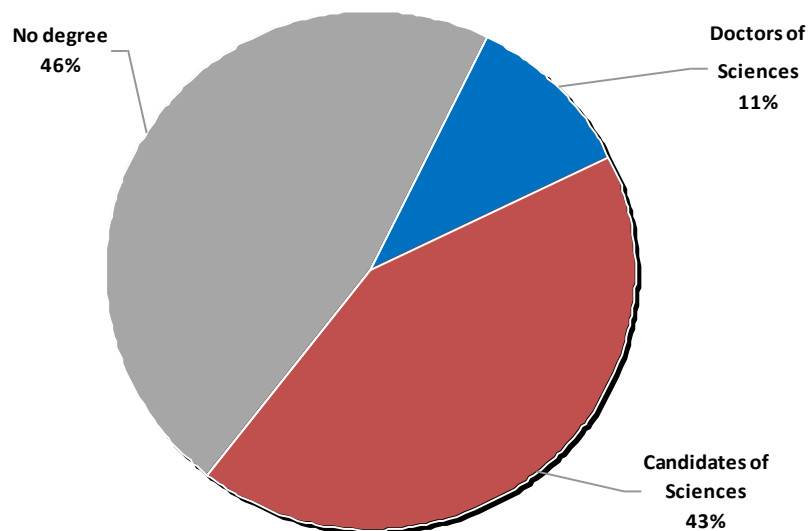


# VERNADSKY CFU's FOCUS AREAS

## Vernadsky CFU's Personnel

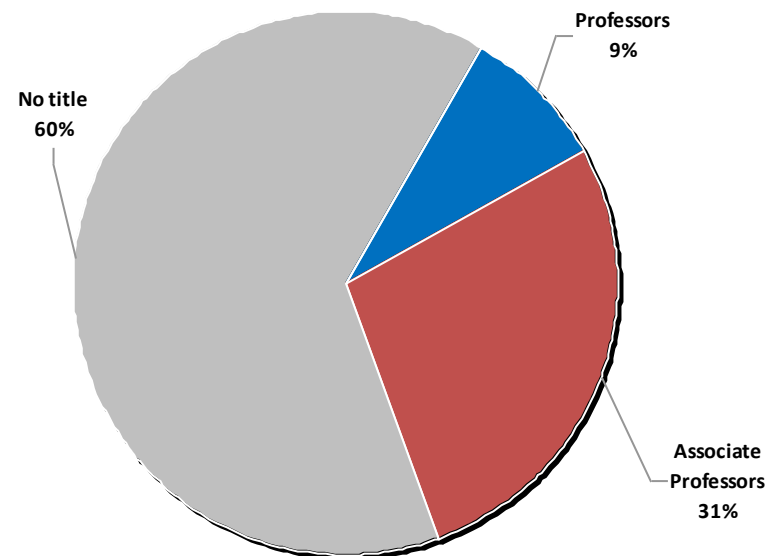
Total number of academic and teaching staff – **2,673**

### Academic Degrees



**Doctors of Sciences - 288**  
**Candidates of Sciences - 1159**

### Academic Titles



**Professors - 237**  
**Associate Professors - 839**

In 2015, **24** staff members of the Vernadsky CFU have been made professors, **78** – associate professors; **6** staff members have successfully defended their doctor's dissertations, **42** – their candidate's dissertations



# VERNADSKY CFU's FOCUS AREAS

## Research and Science

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

**16** Research and science papers

**75** conferences held at the Vernadsky CFU:  
*24 – international*  
*11 – national*  
*40 – regional*

The university's staff participated in **2,018** academic conferences, including  
*989 international conferences*

**2,265** papers and articles published in Russia and abroad  
*67 publications in Scopus*  
*46 publications in Web of Science*  
*2,542 publications in RSCI*

## Student Research and Science Projects

**1,769** articles published by students  
**2,564** articles published in collaboration with research supervisors

**4,278** presentations given at national and international conferences

**72** students were awarded scholarships from the State Council of Crimea

**60** students were awarded scholarships from the Council of Ministers of Crimea for excellence in study and research



# VERNADSKY CFU's FOCUS AREAS

## The University's Computer Network

Organisational Structure and Management System

Educational Process

Admission Campaign

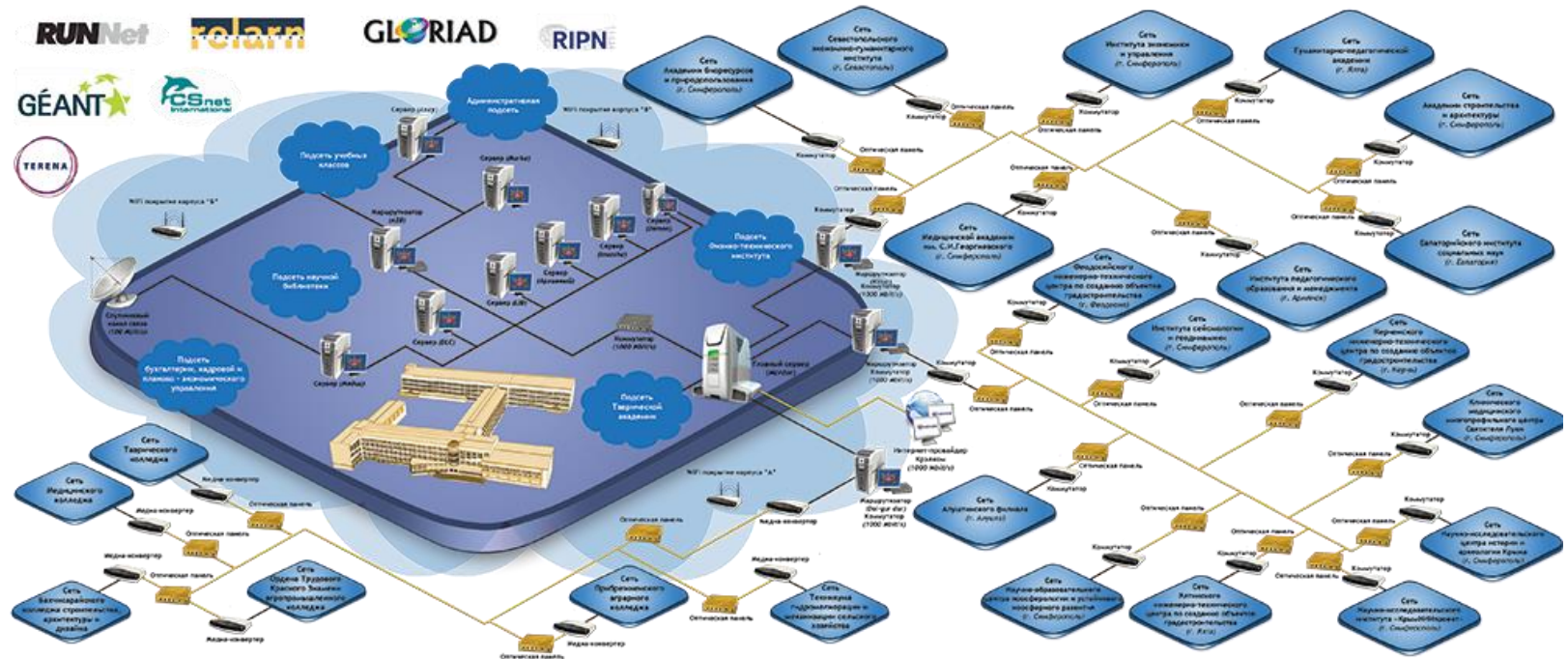
Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme



**The network's details: 700 km of fiber-optic communication lines and 600 km of copper lines for data transmission which connect 150 University buildings, 70 servers, 500 switches, 50 routers, 100 WiFi access points, 20,000 users, 350 University units. The University is connected to the Internet via a fiber optic wired network. The total data capacity is 10 Gb/s.**



# VERNADSKY CFU's FOCUS AREAS

The use of web technology and video conferencing in educational, scientific and career guidance events and activities

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

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Он-лайн консультации преподавателей

Открытые интернет-лекции ведущих ученых и преподавателей



Интернет-встречи, дискуссии, диспуты

Виртуальные практические занятия для студентов



Международные on-line конференции

Он-лайн видео-совещания партнеров международных проектов



Интернет-встречи с зарубежными специалистами и учеными

Видео-мосты с зарубежными образовательными и научными учреждениями



## VERNADSKY CFU's FOCUS AREAS

The Vernadsky CFU strengthens cooperation with prominent Russian scientists. In accordance with the Resolution of the university's Academic Board, Nobel Prize Winner, Academician of the Russian Academy of Sciences Zhores Alferov and Presidential Advisor, Academician of the Russian Academy of Sciences Sergei Glazyev have been made honorary professors of the university.





# VERNADSKY CFU'S FOCUS AREAS

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

## Major International Activities in 2015/2016

- ✓ **8 cooperation agreements have been signed between the university and international student recruitment agencies from India, Uzbekistan, Jordan, and other countries.**
- ✓ **Several international students associations and communities have been organised, including associations of Armenian, Ukrainian, Turkish, Indian, and Nigerian students.**
- ✓ **The Vernadsky CFU has signed 8 partnership agreements with universities and educational institutions in many countries, including those on the World's Top 500 Universities list: Founty Institute (Morocco), University of Basel (Switzerland), Sanya University (China), Blue Danube Business School GmbH (Austria), Mahambet Utemisov West Kazakhstan State University (Kazakhstan), Hanoi University (Vietnam), University of Algarve (Portugal), European Public Law Organization (Greece).**
- ✓ **The Vernadsky CFU's staff and students made 24 trips abroad to destinations such as Argentina, Turkey, Israel, India, USA, Canada, Thailand, Czech Republic, Ukraine, Great Britain, Belarus, Bulgaria, United Arab Emirates, and other countries.**
- ✓ **More than 160 events were held at the university.**





# VERNADSKY CFU's FOCUS AREAS

## International Students

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

The Vernadsky CFU is ranked **4th** among Russian universities for the number of international students, with **2,937** international students from **50** countries, including:

-  Ukraine – 965
-  India – 656
-  Uzbekistan–485
-  Nigeria – 113
-  Jordan– 102
-  Palestine– 30
-  Azerbaijan – 26
-  Namibia – 25
-  Turkmenistan - 23
-  Iraq – 16
-  Kazakhstan – 31
-  Turkey – 6
-  Lebanon – 15
-  China– 5
-  Sri Lanka – 7







# VERNADSKY CFU's FOCUS AREAS

## Youth and Social Policy

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

**13** Youth student organisations that actively participate in self-governance

**8** Meetings and seminars with successful Crimean entrepreneurs

**5** All-Russia forums and meetings

**18** University's public educational events

**6,500** Students involved in various physical activities in their free time

**4,767** Full-time students have participated in research and development projects

**285** Events at various levels were organised by the Vernadsky CFU which attracted many students and talented youth

**146** Sections in various areas of the university's research and science activities

**146** Orphan / parentless students were provided with rehabilitation services at the Prometei Recreation Centre in Alushta





# VERNADSKY CFU's FOCUS AREAS

## Vernadsky CFU's Participation in Network Associations of the Russian Federation

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

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### Russian Union of Rectors

### President's Council for Science and Education

### Association of Leading Russian Universities

46 leading universities including:

- St.Petersburg State University and Lomonosov Moscow State University
- 10 federal universities
- 29 national research universities
- other major universities of Russia

Consolidation of efforts of leading educational and research institutions to enhance competitiveness and quality of education, research and innovations in Russia

### "V.I.Vernadsky United University", Association

- 10 member universities

Consolidation of research, educational, and innovation capacities of educational institutions and other organisations to facilitate the development of the country and the regions, to provide support for vocational education, to offer training for future academic and teaching staff, to promote participation in Russian and international research and educational projects

### "Mega-Class Research Installations", National Association

- 17 higher education institutions

### "The Club of Ten", Network of Federal Universities

- 10 federal universities
- 5 major network projects

Strengthening partnerships between the regions of the Russian Federation, creating a common educational and intellectual space, supporting ethnic and cultural diversity of various federal districts

### "Pedagogical Staff of Russia", Network Association

- 57 Russian higher education institutions
- Making effective use of the network members' expertise to increase the quality of pedagogical education





# VERNADSKY CFU's FOCUS AREAS

## Academic Mobility of the Vernadsky CFU's Staff and Students

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

- ✓ 65 trips to 36 partner organisations
- ✓ **4 Academic Mobility Networks established:**

Technologies and Methods of Formation of Geoportals of Regions' Modern Landscapes – **11** partner organisations

Development of Scientific Research in Experimental Medicine – **11** partner organisations

Academic Mobility of Young Russian Scientists – **27** partner organisations

Application-based Support for University Staff Academic Mobility





# VERNADSKY CFU'S FOCUS AREAS

## Geography of Academic Mobility of the Vernadsky CFU's Staff and Students

Organisational Structure and  
Management System

Educational Process

Admission Campaign

Research, Science and  
Innovations

International Activities

Youth and Social Policy

**Increasing Attractiveness and  
Reputational Capital**

Implementation of the  
Vernadsky CFU's Development  
Programme





# VERNADSKY CFU's FOCUS AREAS

The University's priority areas of development implemented through multidisciplinary educational, scientific, and innovation clusters

Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

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Youth and Social Policy

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Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

Youth and Social Policy

Increasing Attractiveness and Reputational Capital

Implementation of the Vernadsky CFU's Development Programme

Within the cluster-oriented approach, preparations for setting up shared-use centers, laboratories, engineering centers are underway. In 2015, **the Center for Experimental Physiology and Biophysics** was established.





# VERNADSKY CFU's FOCUS AREAS

## Shared-Use Centres at the Physics and Technology Institute

Organisational Structure and Management System

Educational Process

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- ✓ **Science and Educational Centre of Information Technologies in Health Care, Medical Physics, and Cybernetics**
- ✓ **Educational and Research Centre of Atomic and Nuclear Physics**
- ✓ **Laboratory of Meso and Nanostructured Functional Materials**





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Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

International Activities

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Within the development of the Cluster of Agriculture, **the Machines, Tractors, and Heavy Trucks Operators Training Center** was established at the Academy of Bioresources and Environmental Management.







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Organisational Structure and Management System

Educational Process

Admission Campaign

Research, Science and Innovations

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## “Aquatronik Festo Centre”, Research and Educational Centre



## “Medical Science Centre of the Vernadsky CFU”, Educational Centre of High Medical Technology and Engineering





# Vernadsky CFU and Scientific and Social Events



## 2016

- Meetings of the Presidential Council for Science and Education
- Meeting with Prime Minister Dmitry Medvedev on "The University and the Innovative Development of the Region"
- Interdepartmental Working Group on the preparation of Spatial Development Strategy of the Russian Federation
- Meetings of the Association of Leading Universities of the Russian Federation and the Club G10
- International teleconference of young scientists "The New Quality of Economic Growth in Regions of the Russian Federation: Economics of Cooperation"
- Meetings of the Russian Geographical Society
- Forum of Rectors of Russian and Chinese Universities

## 2015

- International Scientific Economic Forum
- International Forum "Educational and Cultural Space of the CIS: Development Vectors"
- The First All-Russian Forum "Legal Education"
- International Scientific Forum of Young Scientists "Science of the Future – Science of the Young"





# Participation of the Vernadsky CFU in the Work of the Republic of Crimea's Public Authorities



The Economic Council of the Republic of Crimea's State Council Chairman

The Public Council of the Head of the Republic of Crimea

The Republic of Crimea's Development Strategy Programmes





# V.I. Vernadsky Crimean Federal University



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