



# **SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL SAFETY**

**MASTER'S PROGRAMME DEGREE**



## PROGRAM ADVANTAGES

- ✓ **Study of the specifics** of urban and natural areas sustainable development, conservation of natural resources and monitoring of modern climate change.
- ✓ **Classes are given** through a combination of interactive lectures, seminars, workshops and, in addition to an individual approach to writing a dissertation.
- ✓ **The Master's Degree is aimed at training professionals** specializing in environmental and other fields.
- ✓ **Double Diploma Program** - the program is implemented in cooperation with the University of Palermo, which allows students to study in Italy for 1 semester.
- ✓ **Classes are given in English**, the composition of the group is international, which makes the program truly international.
- ✓ **Graduates usually work** for international non-profit environmental organizations, environmental engineering design and survey organizations, and government agencies.
- ✓ **Active participation of invited specialists** in conducting master classes, open lectures and student practices.



# STUDYING PROCCCESS

**120 credits.**

**Lectures, workshops and self-study, laboratory work, several practice types**



## **SUSTAINABLE DEVELOPMENT OF TERRITORIES**

- Wind and solar energy use, advantages and limitations, regional specifics.
- Agroclimatic resources.
- Natural resource potential of countries.
- Social, economic and environmental aspects of the countries development.
- Issues of economic territories development.



## **REMOTE METHODS OF MONITORING THE WORLD'S NATURAL RESOURCES**

- Geo-environmental mapping.
- GIS Technologies.
- Regional patterns of natural resources location are the basis of modern economy development.
- Integrated approach in assessing environmental conditions.
- Potential of alternative energy resources.



## **DEMOGRAPHIC ASPECTS OF ENVIRONMENTAL MANAGEMENT**

- Current demographic situation and its geographical aspects.
- Optimal population placement models.
- Population structure and dynamics.
- Demographic issues.





# STUDENTS FEEDBACK



**BALAKIREV VITALY, MOSCOW, RUSSIA**

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A double degree program with a university in Italy offers many additional benefits. In addition to the possibility of studying in Italy for 1 semester, it is eventually possible to obtain diplomas of study at two universities at the end of the program. The program related to sustainable development provides students with a strong value orientation both to the conservation of the biosphere as a whole and to individual ecosystems. This concept gives an idea of how anthropogenic activities affect natural processes and teaches how to plan measures to reduce environmental risks. Getting knowledge in this direction is a very interesting process in itself.

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# HEAD OF THE PROGRAMME

**STANIS ELENA VLADIMIROVNA**



Candidate of Technical Sciences, Head of the Geocology Department. Academician of the International Academy of Sciences and Life Safety (IANEB), Professor of the Russian Academy of Natural Sciences (RAE).

**The dissertation topic:** “Increasing the reliability of mining and geological information in the design and development of mines”.

## **SCIENTIFIC INTERESTS:**

environmental education, geoenvironment, geocology, environmental geochemistry, integrated assessment of the environment, geoenvironmental zoning of territories.

Author of scientific articles in peer-reviewed Russian and foreign scientific journals (HAC, SCOPUS, Web of Science).

4 patents in the field of geoenvironmental safety of underground works.

Head of several academic research projects: “Study of ecological features of landscapes in the middle belt of Russia”, “Study of geoenvironmental conditions of the territory of Central Russia”, “Anthropogenic transformation of urbanized territories ecosystems in the European part of Russia”.