



**South East Europe Transnational Cooperation Programme**  
**EU.WATER project**

# ODESSA REGION

Kick-off meeting  
6th of July, Province of Ferrara



Programme co-funded by the  
EUROPEAN UNION



# Odessa National Polytechnic University

The history of the university started on September 18th, 1918.

Today the university represents a huge training center of high-qualified personnel in southern Ukraine. The Odessa National Polytechnic University is one of 14 Ukrainian Universities - members of the European Universities Association, and of 4 Ukrainian Universities - members of International Universities Association.

20 thousands of students, improvers, post-graduate students are trained here, 4 thousands students, scientific associates and technical engineers work here. There are 57 academicians and corresponding members of National both special Ukraine Academies of Science, more than 120 Professors and Doctors of sciences, almost 450 senior lecturers, Ph.D., 21 honoured workers of Science & Engineering of Ukraine, honoured worker of the National Education of Ukraine, 13 Academicians of International Academies.

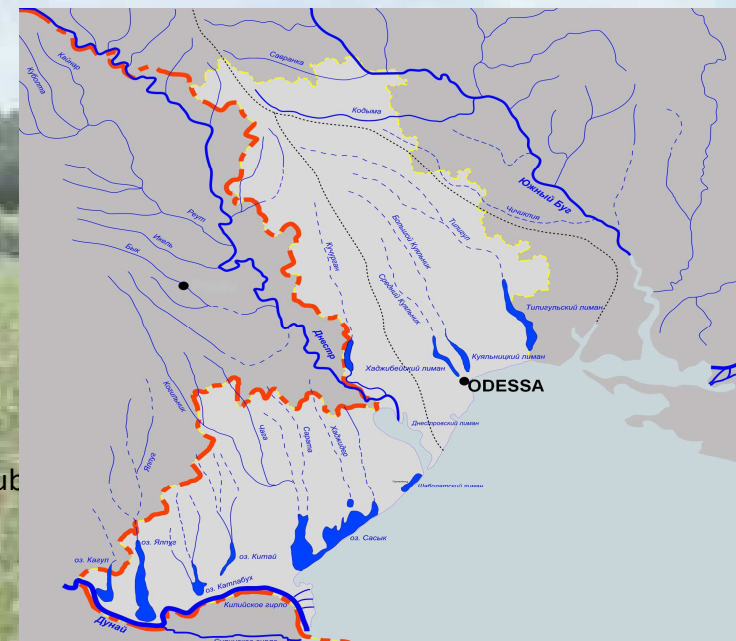
The Odessa National Polytechnic University structure includes 11 institutes, 2 faculties, 62 departments, a technical school and a college.

# Target area

Odessa region numbers 52 populated areas.  
The total population reaches nearly 3 million people

There are about 1140 rivers with tributaries of all orders, over 270 water bodies of local importance (8 reservoirs, ponds, freshwater and salina lakes) and more than 790 water bodies of national significance (26 estuaries, 50 reservoirs, ponds and lakes).

- Major rivers - the Danube, Dniester and Southern Bug – possess an
  - Important economic significance for navigation, irrigation and
  - hydropower production. The most characteristic types of soil are
  - ordinary and south chernozem.
  - Perfect weather conditions brought Odessa Oblast to the leaders
  - in the production of agricultural products.
  - The region annually collects 3 million tons of grain crops.
  - There are over 2.5 million hectares of agricultural lands in the area, including more than 2 million hectares of arable lands,
  - more than 80 thousand hectares of vineyards and orchards.
  - The main direction of agricultural productive specialization areas are
  - grain-cattle directions with advanced production of sunflower, grapes,
  - poultry and pigstry.
  - There are 92 territories and objects of nature-protected fund in the area,
  - as well as 2 natural monuments of national importance
    - Odessa catacombs and Mikhaylovskiy ravine.
    - A unique biosphere reserve Danube overflow land is located in the Danube
- The southern half of the area is subjected to drought.





Programme co-funded by the  
EUROPEAN UNION



# Target area

## Agronomic information

	YES	NO
<b>Does a GIS soil map of your target area exist?</b>		<b>X</b>

**If not, please specify:**

- the extension of total cultivated area
- the percentage of dominant types of soil texture

*See example below*

<b>Target area</b>	Odessa region
<b>total cultivated area</b>	2,500,000 ha
<b>Extension (%) of the main soils</b>	100% chernozem

# Target area Problems

Odessa region is located in the zone of risky agriculture due to droughts. Therefore, a stable agriculture is largely dependent on the reclamation.

The lack of rain harvesting machines, their dilapidation, disorganisation of intraeconomic watering networks leads to the result that only 70000 ha are irrigated instead of 220,000 hectares possible.

The need for the introduction of new effective and power-intensive irrigation systems

The need of legislation improving in the field of water industries leases and the creation of regional programs of saving and optimum utilization of water resources

The uncontrolled use of fertilizers

The need to improve the efficiency of interaction of core departments of regional and district administrations and farms

# Partner's expectations

*Making an inventory of water resources and analysis of soil (GIS map)*

*Creation of the mechanism for optimizing of water resources use.*

*Increasing information awareness of administrative bodies and farms about European standards and successful experience in the implementation of optimal mechanisms of water use*

