



Polytechnic University of Tirana  
Institute of GeoSciences, Energy,  
Water and Environment.

**IGEWE**

**Msc. Klodian Zaimi**

## Download Manager installation in IGEWE-Albania



*Photo :Polytechnic University of Tirana*

# General view of Albania

- Albania is located in the southwestern part of the Balkan Peninsula with a state territory of 28748 km<sup>2</sup> and a population of about 3.5 million.
- Albania is a typical coastal country having a total length of about 446 km coastline. We can distinguish Ionian Sea about 172 km and the Adriatic Sea with a length of about 274 km.



# Introduction to the Institute of GeoSciences, Energy, Water and Environment

The Institute of GeoSciences, Energy, Water and Environment is a national research unit that operates under the umbrella of the Polytechnic University of Tirana. From the organizational viewpoint it is designed in five main departments, each of them containing up to three research units.

These departments are:

- Department of Climate and Environment
- Department of Geophysics and Georisks
- Department of Georesources and Geoenvironment
- Department of Seismology
- Department of Water Economy and Renewable Energy



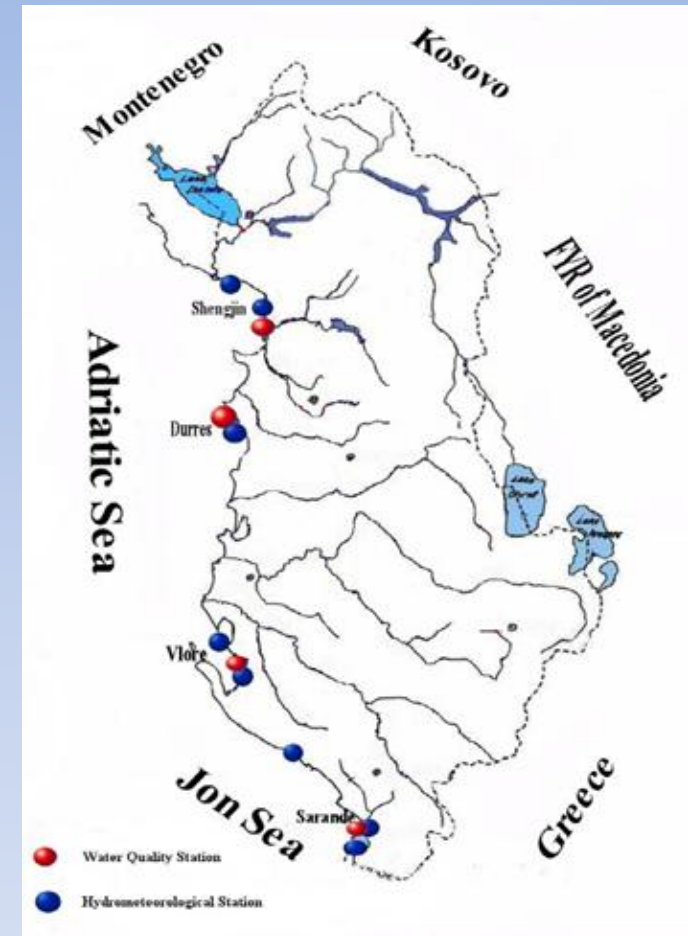
Photo :IGEWE

## Overview on national system for ocean observation

A section of marine researches is dealing with marine monitoring and researches in the coastal zone.

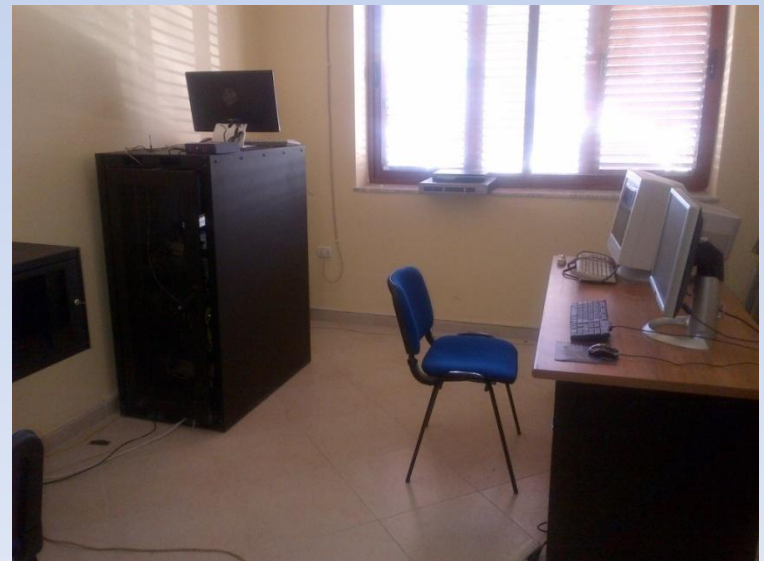
Concerning the monitoring network, currently there are 10 hydro meteorological stations in the coastal zone of the Adriatic and Ionian Sea, from which 6 stations in the coast and 4 stations in lagoons where the tide parameters, wind, water temperature and some chemical elements are measured..

There are also about 25 meteorological stations in the vicinity of the coastal line where meteorological elements are measured.



# Connection to the SeaDataNet Infrastructure

- Procurement of Linux server dedicated to SeaDataNet project.
- Connection to network with static IP.
- Installation of DM and other modules or softwares related.
- Creation of CDI and ODV files.
- Testing the connection.
- Passing in Production Mode.



# Data with SeaDataNet license, accessible from the SeaDataNet infrastructure.

| Data                              | Time period             | ODV   | CDI   |
|-----------------------------------|-------------------------|---|---|
| Albania_Pulaj_Station_1970_series | 01 January- 31 December | Albania_Pulaj_Station_1970_series_00001_D09 | Albania_Pulaj_Station_1970_series_00001_D09 |
| Albania_Pulaj_Station_1971_series | 01 January- 31 December | Albania_Pulaj_Station_1971_series_00001_D09 | Albania_Pulaj_Station_1971_series_00001_D09 |
| Albania_Pulaj_Station_1972_series | 01 January- 31 December | Albania_Pulaj_Station_1972_series_00001_D09 | Albania_Pulaj_Station_1972_series_00001_D09 |
| Albania_Pulaj_Station_1973_series | 01 January- 31 December | Albania_Pulaj_Station_1973_series_00001_D09 | Albania_Pulaj_Station_1973_series_00001_D09 |
| Albania_Pulaj_Station_1974_series | 01 January- 31 December | Albania_Pulaj_Station_1974_series_00001_D09 | Albania_Pulaj_Station_1974_series_00001_D09 |
| Albania_Pulaj_Station_1975_series | 01 January- 31 December | Albania_Pulaj_Station_1975_series_00001_D09 | Albania_Pulaj_Station_1975_series_00001_D09 |
| Albania_Pulaj_Station_1976_series | 01 January- 31 December | Albania_Pulaj_Station_1976_series_00001_D09 | Albania_Pulaj_Station_1976_series_00001_D09 |
| Albania_Pulaj_Station_1977_series | 01 January- 31 December | Albania_Pulaj_Station_1977_series_00001_D09 | Albania_Pulaj_Station_1977_series_00001_D09 |
| Albania_Pulaj_Station_1978_series | 01 January- 31 December | Albania_Pulaj_Station_1978_series_00001_D09 | Albania_Pulaj_Station_1978_series_00001_D09 |
| Albania_Pulaj_Station_1979_series | 01 January- 31 December | Albania_Pulaj_Station_1979_series_00001_D09 | Albania_Pulaj_Station_1979_series_00001_D09 |
| Albania_Pulaj_Station_1980_series | 01 January- 31 December | Albania_Pulaj_Station_1980_series_00001_D09 | Albania_Pulaj_Station_1980_series_00001_D09 |
| Albania_Pulaj_Station_1981_series | 01 January- 31 December | Albania_Pulaj_Station_1981_series_00001_D09 | Albania_Pulaj_Station_1981_series_00001_D09 |
| Albania_Pulaj_Station_1982_series | 01 January- 31 December | Albania_Pulaj_Station_1982_series_00001_D09 | Albania_Pulaj_Station_1982_series_00001_D09 |
| Albania_Pulaj_Station_1983_series | 01 January- 31 December | Albania_Pulaj_Station_1983_series_00001_D09 | Albania_Pulaj_Station_1983_series_00001_D09 |
| Albania_Pulaj_Station_1984_series | 01 January- 31 December | Albania_Pulaj_Station_1984_series_00001_D09 | Albania_Pulaj_Station_1984_series_00001_D09 |
| Albania_Pulaj_Station_1985_series | 01 January- 31 December | Albania_Pulaj_Station_1985_series_00001_D09 | Albania_Pulaj_Station_1985_series_00001_D09 |
| Albania_Pulaj_Station_1986_series | 01 January- 31 December | Albania_Pulaj_Station_1986_series_00001_D09 | Albania_Pulaj_Station_1986_series_00001_D09 |
| Albania_Pulaj_Station_1987_series | 01 January- 31 December | Albania_Pulaj_Station_1987_series_00001_D09 | Albania_Pulaj_Station_1987_series_00001_D09 |
| Albania_Pulaj_Station_1988_series | 01 January- 31 December | Albania_Pulaj_Station_1988_series_00001_D09 | Albania_Pulaj_Station_1988_series_00001_D09 |
| Albania_Pulaj_Station_1989_series | 01 January- 31 December | Albania_Pulaj_Station_1989_series_00001_D09 | Albania_Pulaj_Station_1989_series_00001_D09 |
| Albania_Pulaj_Station_1990_series | 01 January- 31 December | Albania_Pulaj_Station_1990_series_00001_D09 | Albania_Pulaj_Station_1990_series_00001_D09 |

For propose for a long term preservation of the marine data and to make this data available IGEWE has create a scientific team. This team is responsible for participation in data elaboration and validation for the SeaDataNet products in the national waters of Albania.

IGEWE staff has worked in coordination with OGS and Maris for the installation of DOWNLOAD MANAGER in our server.

**IGEWE Scientific Team for SEADATA Project:**

- **Prof.Fatos Hoxhaj**
- **Msc. Klodian ZAIMI**
- **Msc. Rrezart BOZO**
- **Msc. Elona ABAZI**



*Thank You For your Attention*



*Photos : Albanian Coastline*