

# *Delightfull expeditions*

*~3 .04. 2009~*

## *Day 1*

*SESAME is an international research project that incorporates a variety of disciplines to explore and study the ecosystem changes of the Mediterranean and the Black Seas as well as their surrounding environments.*

*In order to discover the misteries of the Black Sea we present your our first day of our Oceanografic Mission !*

- 1– Introduction*
- 2– Photos and description*
- 3—Scientist interview*
- 4– Wheather forecast and info.*



*We chose this photo because because it is representative for this project and it shows our equipment and staff.*

### *The Salinity in the Black Sea*

*Many big rivers fall into the Black Sea, making the salinity of its surface water half that of the ocean: 17‰. Reduced salinity is the cause of the relatively low biodiversity in Black Sea, since few marine species can support a viable population at salinity levels less than 20‰.*

*Plankton consist of any drifting organisms (animals, plants, archaea, or bacteria) that inhabit the pelagic zone of oceans, seas, or bodies of fresh water. Plankton are defined by their ecological niche rather than their phylogenetic or taxonomic classification. They provide a crucial source of food to more familiar aquatic organisms such as fish.*

### *Description of Day 1*

*Calm sea and a very good weather; this is what we will have for the next 14 hours until the first station (2200 m).*

*The next dawn finds us on the S-RC2-09 station. All the researchers' teams are doing the last preparations for the CTD and ADP measurements and also for the zooplankton, phytoplankton and sediments samples ingathering.*

# *Scientist Interview*

## *An Interview with Dr. Gheorghe Oaie*

*Q: Hi! Why did you choose to be a scientist?*

*A: Hello! It seems to me like a very interesting area to work in. In addition, you always discover new things and facts about the World.*

*Q: What is the reason you chose this expedition?*

*A: We have to make an essay about the aquatic creatures in the Black Sea. Also, we would like to visit Istanbul!*

*Q: What is the research about?*

*A: We study the functional groups: Phytoplankton, Zooplankton, Bacterioplankton.*

*Q: Thank you very much for your attention!*

*After 50 years we imagine the seashore not as good as nowadays, because of the involution of the World. As nobody is looking after such an important fact of the nature, that brings us such benefits, the seashore will soon become a nightmare. Hopefully, we, the youngsters, hope that we will improve this situation, due to some of us that are more willing to help the environment. All the National Organisation should be able and have sufficient funds to accomplish all these goals.*

*Our message:*

*We should look more often around us and try to see the problems and the needs that the environment expects and resolve them as good as we can. We are the only ones that can do something so that the other generations can live a healthy and stressless life.*

## *Weather Forecast 3.04.2009*

### *Free Subject*

*Feels Like:*

*14°*

*Barometer:*

*1016 mb and steady*

*Humidity:*

*31%*

*Visibility:*

*9.99 km*

*Dewpoint:*

*-3°*

*Wind:*

*E 10 kph*

*Sunrise:*

*6:43 am*

*Sunset:*

*7:35 pm*

The Black Sea Coast stretches out for 244km/153 miles and is the main tourist area of Romania. It has fine, soft sand and safe, gently sloping beaches. On most days during the summer the sea is calm. The medium latitude and the low altitude are favorable to a dry climate and determine a long season, lasting from May to September, whilst the eastern exposure of the coast provides for spectacular sunrises and maximum luminosity. The air is well-ionised, rich in marine aerosols. The high solar radiation intensity is said to have stimulating and healing effects. The entire complex of sand, air, sun and water is a beneficial one. The Black Sea houses sturgeons and dolphins and there are no dangerous species like sharks.

*Menu of the mess : Breakfast : Eggs with salad and a glass of milk*

*Lunch : Chicken Soup and Pork Steak*

*Dinner : Spaghetti with tomato sauc*

*Name and address of the class: 9B3, "Ovidius" Highschool Constanta, Romania,  
2, Basarabi street, 900710*

*Age—15-16 years old*

*Number of students: 14*

*Coordinating teacher: Carmen Bucovala*

*Bibliography : [www.wikipedia.com](http://www.wikipedia.com)*

*[Www.sesame-ip.eu](http://Www.sesame-ip.eu)*