

COMENIUS EUROPEAN PROJECT  
26th January - 30th January 2015



**WATER** is so Essential  
Be water Wise

Participating schools

**Lycée Professionnel du Pré Saint Sauver- FR**  
**Kantonsschule Zürcher Oberland-CH**  
**Julius Spiegelberg Gymnasium-DE**  
**SehitAyhanSayKiz Lisesi- TU**

**Host School IES ZUBIRI-MANTEO BHI**

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### **26/01/2015**

9.00 Welcome to the European partners at the Territory Council  
9.20 Guided tour round the Council by Tourism students  
10.00 Presentation of the schools and water project work  
11.00 Break  
12.00 Guided tour round the city by Tourism students

### **27/01/2015**

8.15 excursion to Mutriku's Wave Plant and Zumaia's Flysch

### **28/01/2015**

8.00 Film watching library at Zubiri  
10.00 Workshop: arranging the exhibition  
11.00 Official Picture at Zurriola  
11.00 Attending some lessons at Zubiri and Manteo  
14.15 Lunch at Manteo  
15.30 Water activities: canoeing, surfing, rowing and sailing

### **29/01/2015**

8.15 Excursion to Arriaran Reservoir and a trip along Oria River.  
Lunch in Orio, a small fishing town famous for its rowing teams and fishing

### **30/01/2015**

Departure of French and German groups

Excursion to Bilbao with Swiss and Turkish partners  
(to be confirmed)

### **31/01/2015**

Departure of Swiss and Turkish partners

## Report of the water questionnaire

### WATER SAVING

Report of questionnaire made by  
our students



#### Tap water or bottling water ?



88 % of students  
drink tap water

#### Water at school?



21 % of students carry  
water to the school,  
most of them tap  
water

#### WATER SAVINGS HABITS AT HOME



50 % of families use bio programs  
with electrical appliances



98 % of families fulfill the  
washing machine or  
dishwasher



80 % of families have  
discharge limiters in the  
tanks



All the family members  
take shower and only  
once in a while take a  
bath



94 % of students  
shut the tap while  
brushing teeth

#### CONCLUSION

WATER SAVINGS ARE VERY  
WIDESPREAD AMONG  
STUDENTS



## Wave Energy in the Basque Country

### World's First Commercial Wave Power Plant in Basque Country



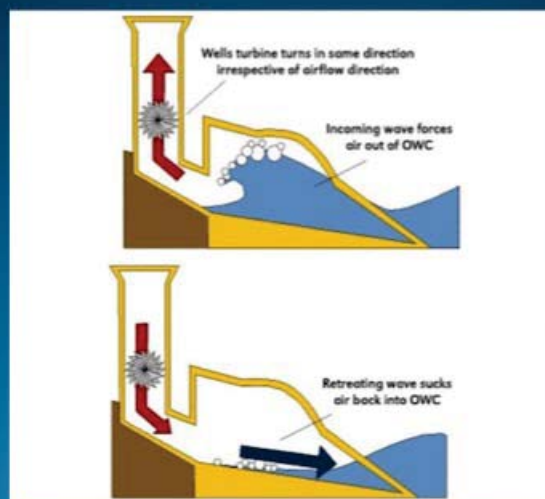
Inagurated in 2011

In the seaport of Mutriku  
located between Bilbao and  
San Sebastian

Very powerful resource and  
respectful with the  
enviromtment

The plant provide electricity sufficient for around 400 person  
The instalation includes 16 power units

### The tecnology used is called OWC (Oscillating Water Column)



## The Basque Flysch



- \* Geoparks are areas that are committed to a strategy for sustainable development based on their natural and cultural values.
- \* The Basque Coast Geopark was created to implement these ideas in the towns of Zumaia, Deba and Mutriku.

### \* THE BASQUE COAST GEOPARK



- \* Like an encyclopedia showing more than 60 million years Earth history
- \* One black layer show the impact of a big asteroid and the extinction of dinosaurs

### \* 13 kilometers long rock layer called Flysch

## Arriaran Reservoir



## Mirandaola foundry



Water

# NOTES

