

# ROVINJ - THE UNDERWATER PEARL



Srednja škola ZVANE ČRNJE ROVINJ  
Scuola media superiore "Zvane Črnja" Rovigno

# *More*

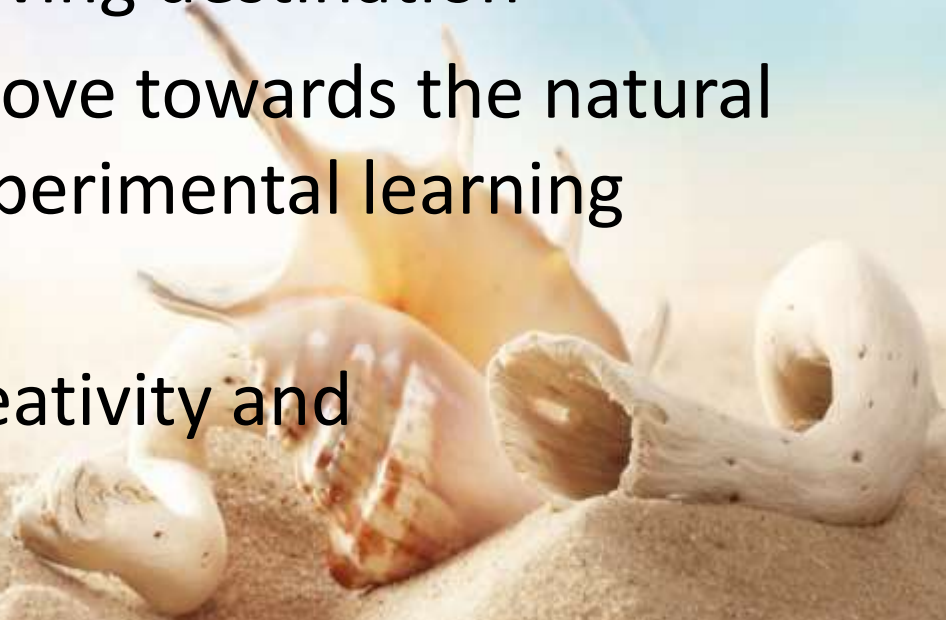
*“and I watch the sea as it climbs to  
and I listen to the sea, good morning it says ...”*

*Josip Pupačić*



# Goals...

- learning about sea ecosystem
- developing ecological consciousness of young
- encouraging cooperation with scientific institutions and touristic economy
- promoting Rovinj as a diving destination
- to encourage students' love towards the natural underwater wealth by experimental learning methods
- developing students' creativity and entrepreneurial spirit



The idea about the project was born after participating at the 5th Underwater Film Festival "White Lion"

25<sup>th</sup> to 28<sup>th</sup> of September 2014

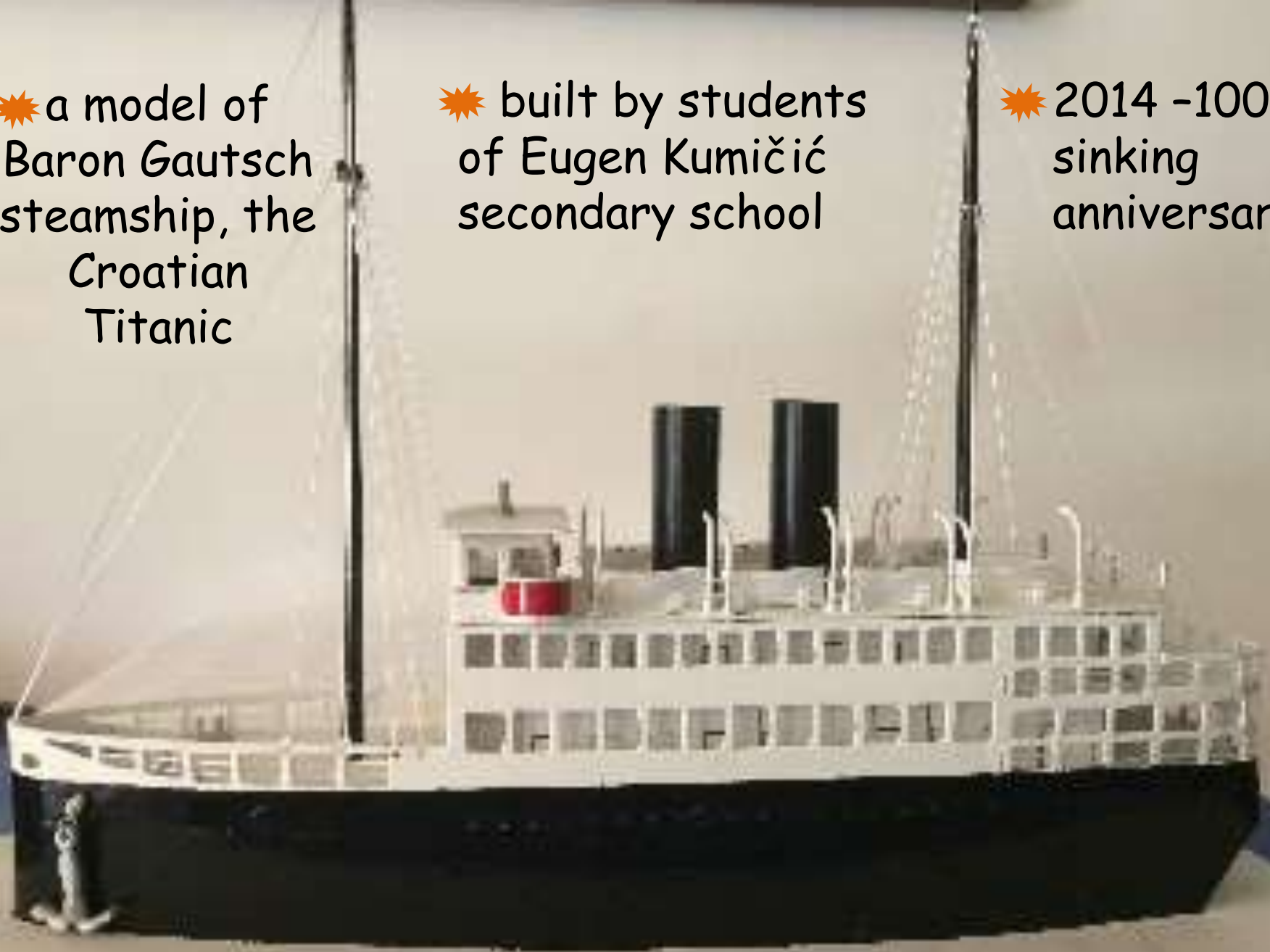


...students showed great interest for the mysterious underwater world.

✦ a model of  
Baron Gautsch  
steamship, the  
Croatian  
Titanic

✦ built by students  
of Eugen Kumičić  
secondary school

✦ 2014 -100<sup>th</sup>  
sinking  
anniversary

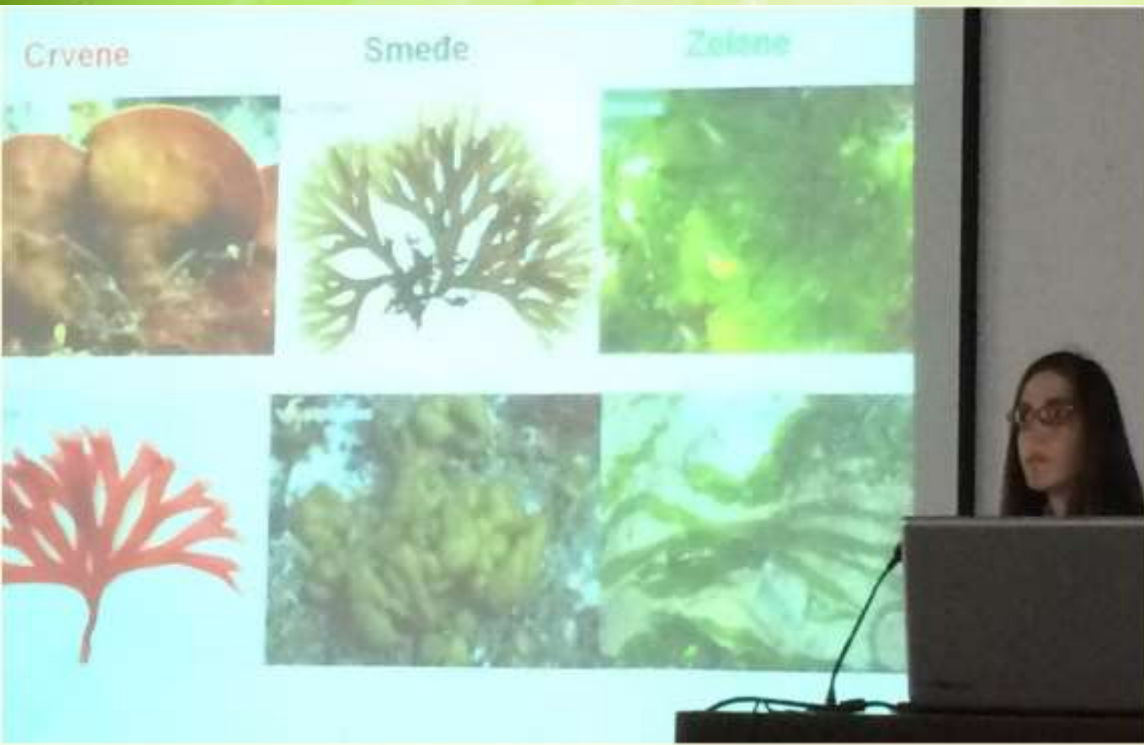




\*dr. sc. Ljiljana Iveša from the Center for Marine Research in Rovinj gave a lecture **"Macroalgae in the Istrian littoral"** in the Culture House

21<sup>st</sup> of April 2015

...she acquainted us with the underwater patchwork.



# The Diving Education

16<sup>th</sup> of May 2015.

This is how it all began...



...attentive listening of an experienced diver about the diving equipment and behaviour in the underwater world.





We all needed little help from the instructors with dressing...

Neno: "When you breathe in, your mask has to remain stuck to your face.. 😊 that's how you'll know that it fits you."





... somebody looks forward to and can barely wait for that magical moment of diving...



...this lead is so heavy??



...we still managed  
to get dressed  
and everything is  
OK!





Here we go! 😊









... the sea  
and we...





...socializing  
with sea  
organisms...







... the diving education has successfully ended, Valeria is signalling that we should inflate the compensator and get back to the surface...





# Rovinj - biser podmorja

6. lipanj 2015.



EKO AKCIJA CRVENI OTOK 2015.

ECO AZIONE ISOLA ROSSA 2015

# The World Environment Day

6<sup>th</sup> of June 2015

- eco-action of cleaning of beaches and underwater in front of the Istra hotel on the Saint Andrija Island (The Red Island) to preserve cleanliness of the sea and the coast
- raising of the Blue flag, international eco-rewardde







We are descending into action...



... and filling the bags...



... we are  
moving on...  
pulling out the  
ropes...







...we weren't just cleaning, but taking water samples as well, because of sanitary analysis, so that we could evaluate the hygienic water quality...



We took seawater samples on 3 locations...

Google earth

© 2015 Google

Image © 2015 CNES / Astrium



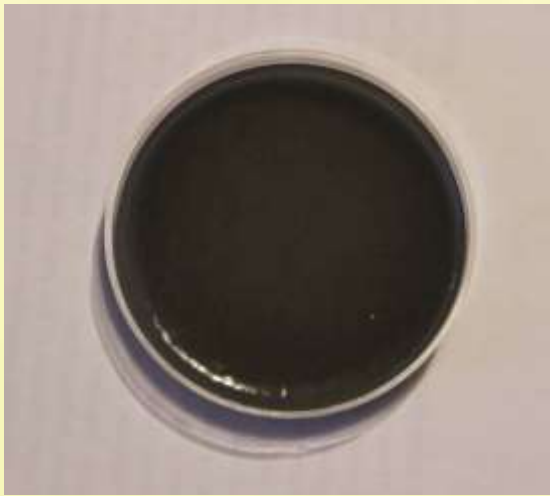


...we analyzed the water samples in the laboratory of the Center for Marine Research Ruđer Bošković, in the company of dipl. ing. Paolo Paliaga.



Via method of membrane filtration, we filtered 100 mL of a sample from each location...

...membrane filter with the invisible material we put in a dish with a specific agar.



Dish 1  
AGAR: MFC

\*In the dish 1 we planted a material in which fecal coliform bacteria can develop.



Dish 2  
AGAR: Slanetz-Bartley

\*In the dish 2 we planted a material in which fecal streptococci bacteria can develop.







\* Samples, on which we analyzed coliforms, we incubated for 24 h at 44,5 °C

\* Samples, on which we analyzed streptococci, we incubated for 48 h at 37 °C

## Results...

We counted the resulting bacteria colonies.



## Conclusion...

- on all locations the number of coliforms and streptococci was below the limit values
- according to these indicators, the sea is clean and suitable for bathing

...researched by students of secondary school  
of Zvane Črnja Rovinj



Finally we rose  
the Blue flag!



We are taking care of our sea and islands,  
may our environment be clean!

If you respect the sea, it gives you some new life, some new satisfaction as it has given to us:



Project leader:

***Marija Orbanić, dr.vet.med***

Teachers:

**Kristina Stojšić**, prof. of English language and literature - prof. of History

**Cinzia Banko**, dipl. oecc.

**Slađana Janjčić**, dipl. oecc.

**Boban Memedović**, dipl. ing. el.tech.

**Goran Martinović**, ing. of mechanical engineering



Project leader:

***Pamela Budicin, prof. of biology and chemistry***

Teachers:

**Mirjana Ilić**, prof. of Croatian language and literature - prof. of Italian language and literature





## Students:

**Gabriel Ilić**, 1st grade, t.-hotel. commerc.  
**Adrian Janjiš**, 1st grade, t.-hotel. commerc.  
**Dominick Lutrović**, 1st grade, t.-hotel. commerc.  
**Sebastijan Sošić**, 1st grade, t.-hotel. commerc.  
**Esmir Sulejmanoski**, 1st grade, t.-hotel.commerc.  
**Monika Cvetinčanin**, 1st grade, t.-hotel.commerc.  
**Leon Kreasina Karačić**, 1st grade, cook  
**Matteo Sirotić**, 1st grade, cook  
**Paolo Hrvatinić**, 1st grade mechanic  
**Filip Marić**, 2nd grade, waiter  
**Mateo Žufić**, 2nd grade, mechanic  
**Tea Marić**, 2nd grade, t.-hotel. commerc.  
**Leonardo Muzić**, 2nd grade, cook  
**Ivan Blažević**, 3rd grade, t.-hotel.commerc  
**Amir Bašić**, 3rd grade, t. - hotel.commerc

## Students:

**Arta Qosa**, 1st grade, economist  
**Ivona Ivić**, 1st grade, economist  
**Ryan Bertetić**, 1st grade, economist  
**Andrea Pavlović**, 1st grade, economist  
**Valeria Pezić**, 2nd grade, general gymnas.  
**Valentina Peteh**, 2nd grade, general gymnas.  
**Filip Komšić**, 2nd grade, general gymnas.  
**Tena Japundža**, 2nd grade, general gymnas.  
**Erik Jakov Leko**, 2nd grade, gymnas. of nat. sciences and mathematics  
**Emili Vidan**, 2nd grade, gymnas. of nat. sciences and mathematics

Thanks to 😊 ...



TURISTIČKA ZAJEDNICA ROVINJ  
COMUNITÀ TURISTICA DI ROVIGNO



Pučko otvoreno učilište  
Grada Rovinja  
Università popolare aperta  
della Città di Rovigno



Grad Città  
ROVINJ - ROVIGNO

*maistra*  
ROVINJ - VRSAR

