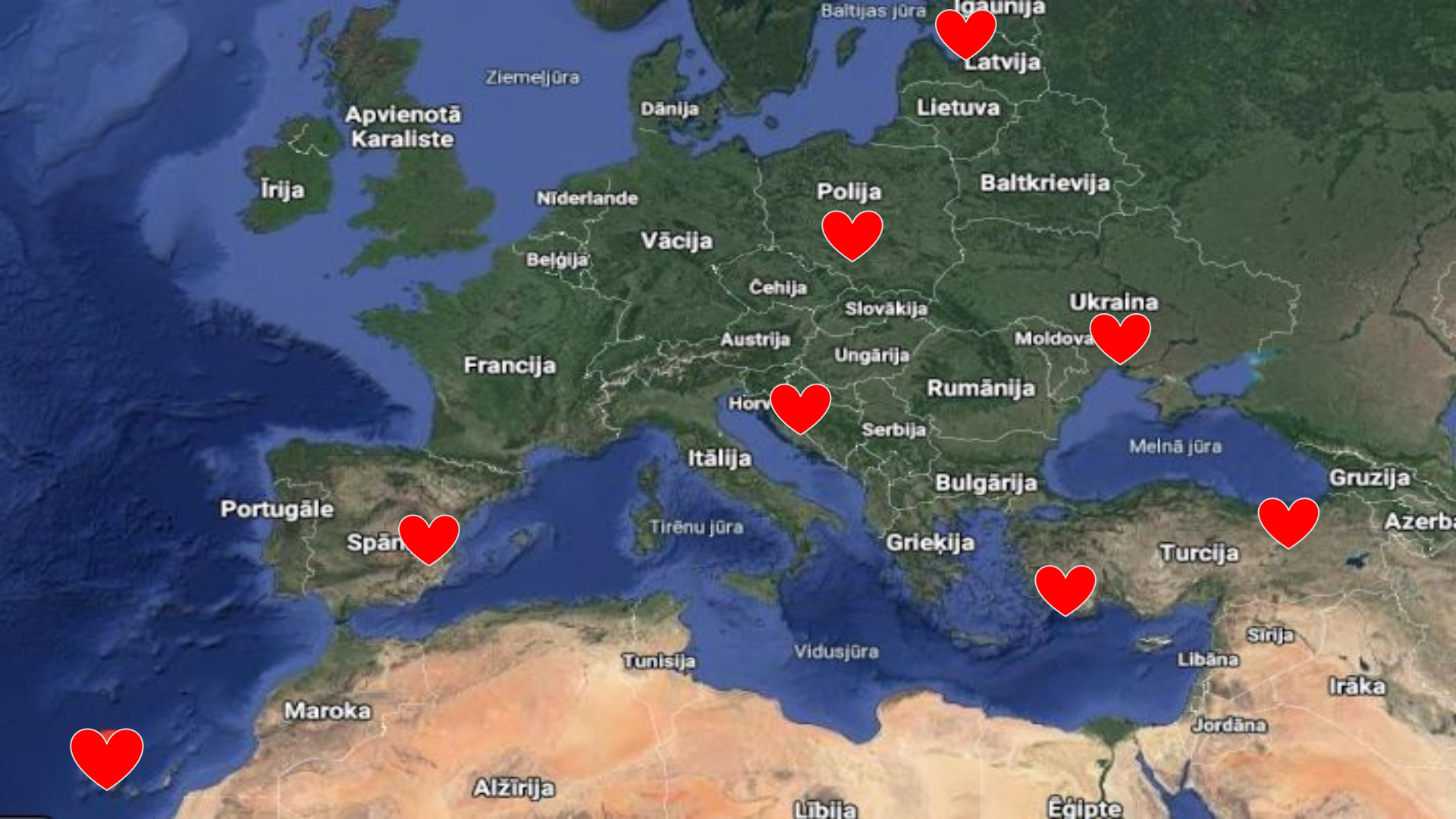




Our scientific journey

Turkey Spain Croatia Ukraine Poland Latvia



Latvija

Polija

Ukraina

Ungārija

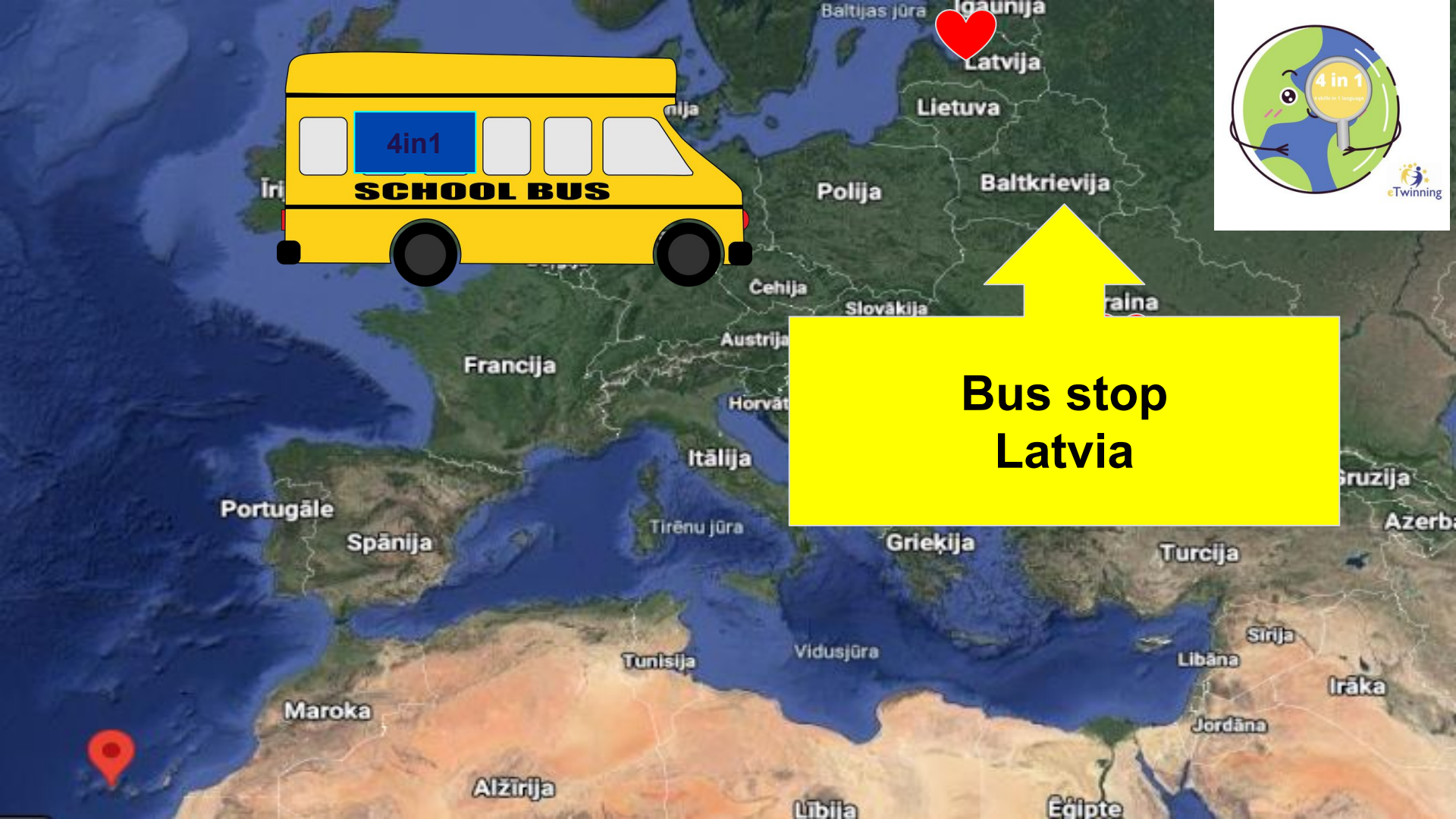
Itālija

Spānija

Turcija



**Bus stop
Latvia**





I am Valter Cap

SAULKRASTI SECONDARY SCHOOL,
LATVIA

I am created little camera «Minox»

I created a camera that look long,
slim, made of shiny metal.

My camera was used by spys.

Since I invented it before World
War II it became very popular
among the spies.



ABOUT AERODIUM

AERODIUM is one of the world's leading producers of vertical wind tunnels and the global leader in flight show organization. The company invents, produces, installs and maintains vertical wind tunnels for various industries worldwide on a regular basis. These are used in entertainment, show business, cinematography, sports and military industries.

AERODIUM was the team to create the world's first wind tunnel for entertainment purposes and hold the first flight show at the Olympic Games in Turin! The AERODIUM team also taught Jackie Chan and Tom Cruise how to fly, having built the world's largest wind tunnel for the shooting of Mission: Impossible – Fallout.





AERODIUM

The experience is approximately 60 minutes long, starting from the time of your arrival. The price is 49-89€ per person (children up to 12 y/o 25€)

Here's AERODIUM [youtube channel](#).





**Bus stop
Poland**



Maria Skłodowska Curie



Szkoła Podstawowa nr 1 w Nysie/ Poland

https://en.wikipedia.org/wiki/File:Marie_Curie_c1920.jpg



I was Polish and naturalized-French physicist and chemist who worked on radioactivity.

I was born in Warsaw/ Poland but in 1891 I moved to Paris/ France where I met my husband Pierre Curie.

I was the first woman to win a Nobel Prize and the first woman to become a professor at the University of Paris.

https://en.wikipedia.org/wiki/File:Marie_Curie_1903.jpg



Esperanto

Esperanto is a language that was created by Polish ophthalmologist Ludwik Zamenhof in 1887.

It was intended to be a universal second language for international communication.



https://en.wikipedia.org/wiki/File:Zamenhof_portreto.jpg

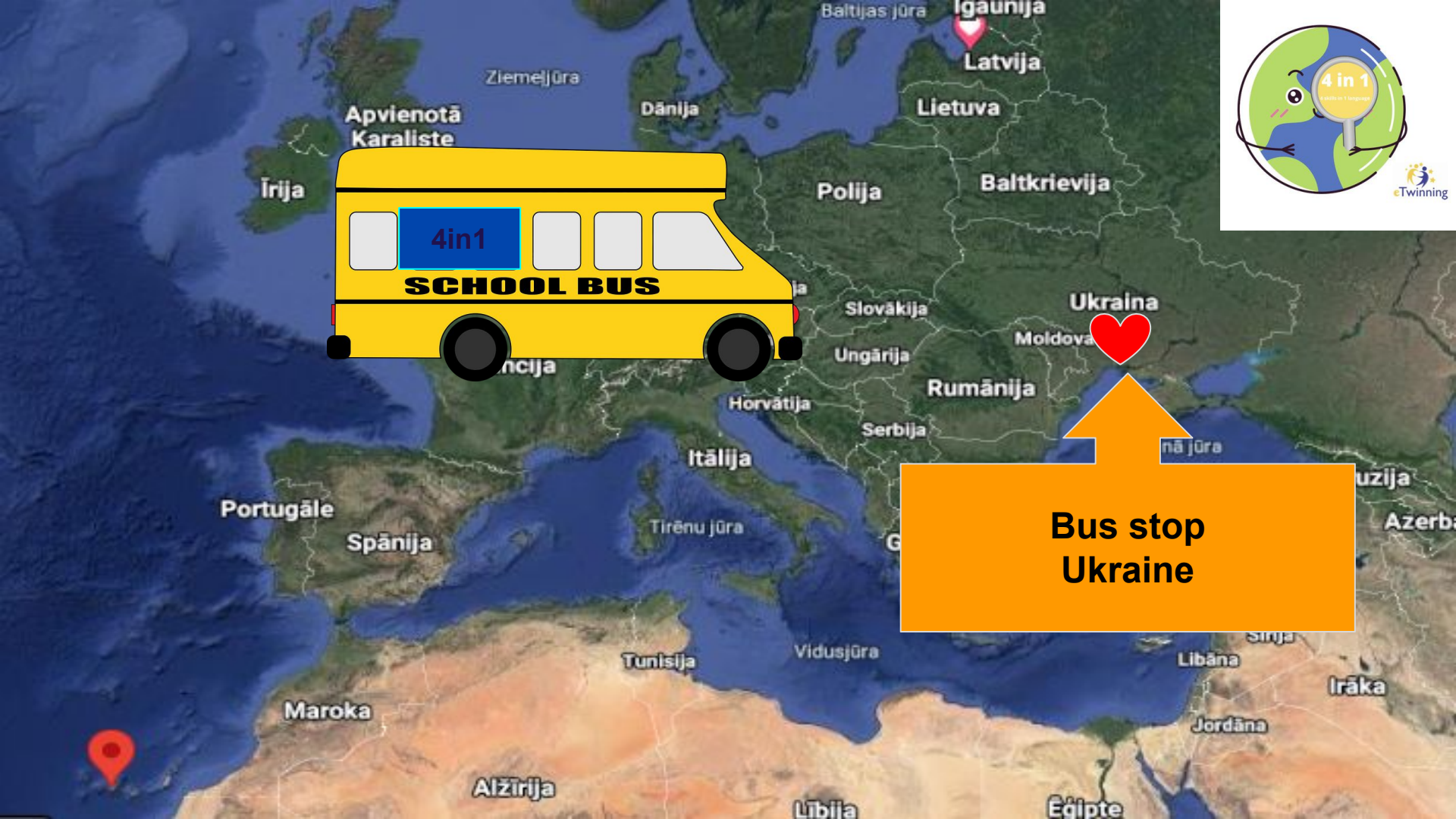
English	Esperanto	IPA
Hello	Saluton	[sa.ˈlu.ton]
Yes	Jes	[ˈjes]
No	Ne	[ˈne]
Good morning	Bonan matenon	[ˈbo.nan ma.ˈte.non]
Good evening	Bonan vesperon	[ˈbo.nan ves.ˈpe.ron]
Good night	Bonan nokton	[ˈbo.nan ˈnok.ton]
Goodbye	Ĝis (la revido)	[ˈdʒis (la re.ˈvi.do)]
What is your name?	Kio estas via nomo?	[ˈki.o ˌes.tas ˌvi.a ˈno.mo]
	Kiel vi nomiĝas?	[ˈki.el vi no.ˈmi.dʒas]



Sample Esperanto words and phrases

The countries with the most Esperanto speakers are China, Germany, France, Japan and Brazil. In Europe, the community is centred on France-Germany-Poland





Apvienotā Karaliste

Īrija

4in1

SCHOOL BUS

Latvija

Lietuva

Polija

Baltkrievija

Ukraina

Moldova

Rumānija

Itālija

Portugāle

Spānija

Maroka

Alžīrija

Libija

Ēģipte

Libāna

Jordāna

Irāka

Azerbaidžāna



eTwinning

Bus stop
Ukraine



Academician Sergiy Korolyov

I was born in 1906 in this house in Zhitomir. It is a small Ukrainian town. My parents were teachers. I was interested in Maths, Literature and read much.



Mariupol Comprehensive school № 65, Ukraine



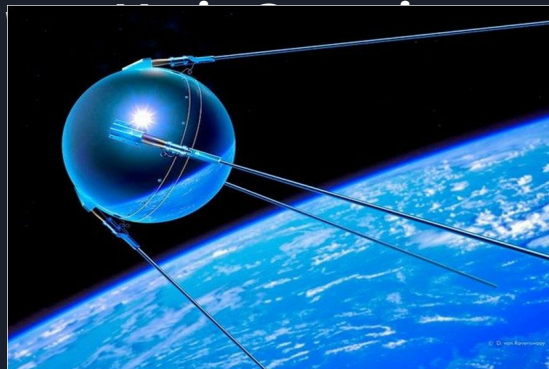
Sergiy Korolyov was a famous scientist and a founder of practical cosmonautics.

During the Second World War he constructed a **jet engine** for airplanes and rockets.

Belka was a dog who flew to space by his spaceship "Sputnik V" in 1960.

Sergiy Korolyov was the chief constructor of the **first man-made satellite of the Earth**, which was launched into space on October 4, 1957.

He created the first piloted spaceship "Vostok 1" and realized the first flight of a man in space. The first astronaut

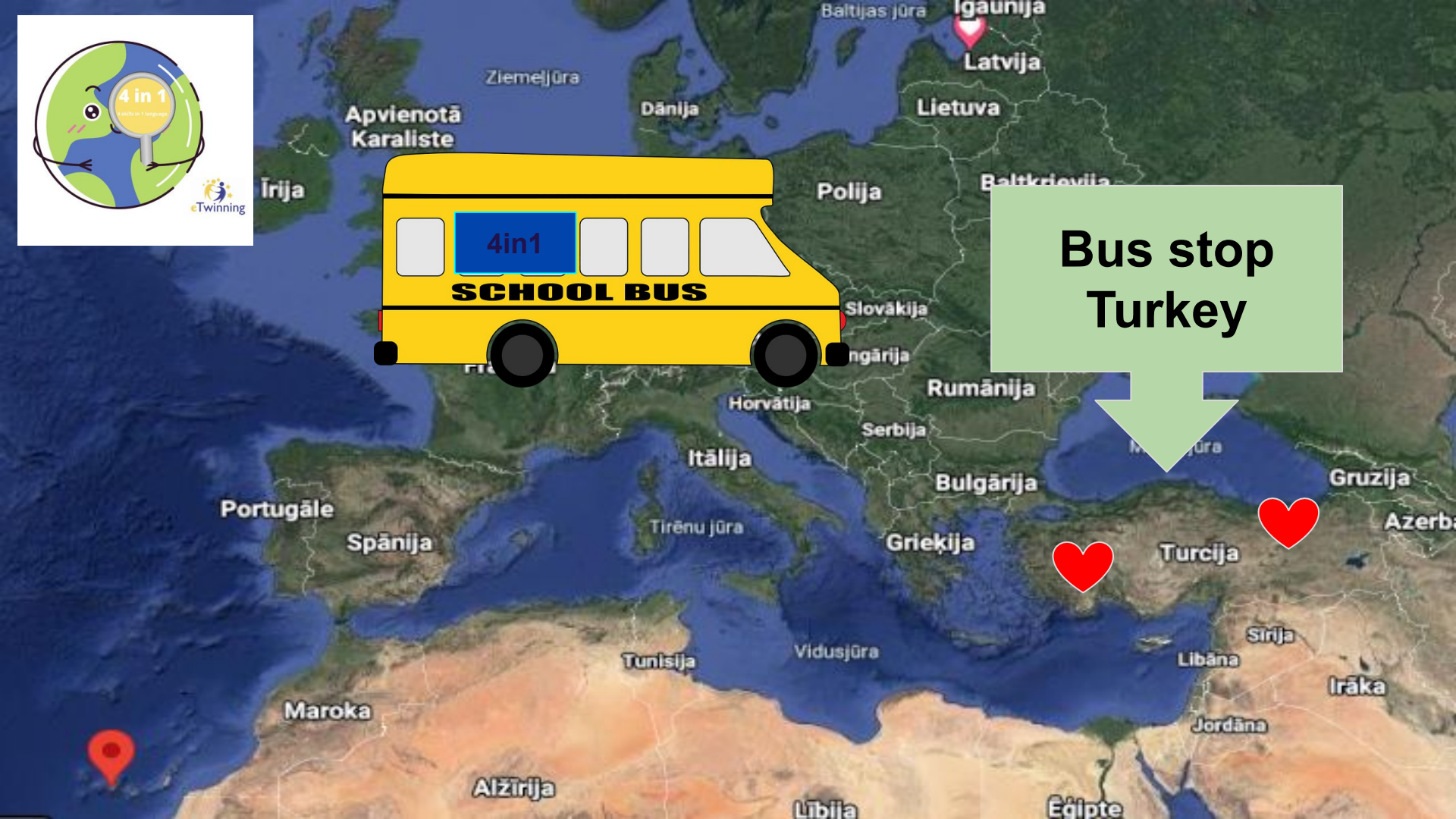


Mariupol Comprehensive school № 65, Ukraine





Bus stop
Turkey



Aziz SANCAR - Molecular Biologist

I was born in 1946 in Mardin, Turkey.

I graduated İstanbul University as a doctor.

I completed PhD at University of Texas at Dallas.

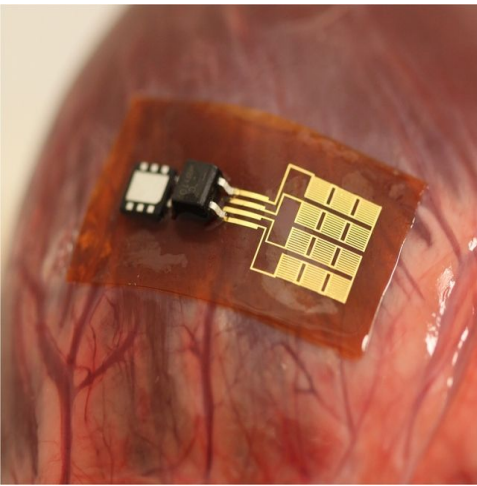
I was awarded the 2015 Nobel Prize in Chemistry along with Tomas Lindahl and Paul L. Modrich for our studies of DNA repair.

I donated my original Nobel Prize golden medal and certificate to the Mausoleum of Mustafa Kemal Atatürk.



VAKFIKEBİR ATATÜRK
SECONDARY SCHOOL





Wearable Heart Chip

Canan Dağdeviren



- *My team and I invented a wearable heart chip working battery free.**
- *It has been described as "mechanically invisible human dynamos".**
- *This heart chip extract energy from body movements such as the motion of arms, fingers, and legs.**
- *It doesn't need to be replaced through risky and expensive operation because it is powered by human motion instead of battery power.**

**VAKFIKEBİR ATATÜRK
SECONDARY SCHOOL**



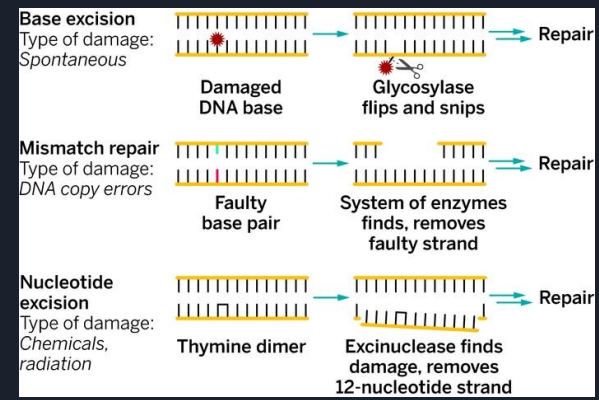
eTwinning





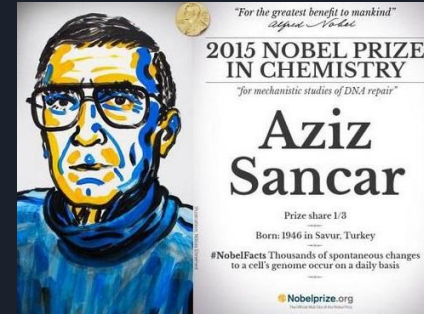
DNA Repair

(Aziz SANCAR)



Living cells have DNA molecules that carry an organism's genes. For the organism to live and develop, its DNA cannot change. DNA molecules are not completely stable, and they can be damaged. Through studies of bacteria, Aziz Sancar showed how certain protein molecules, certain repair enzymes, repair DNA damaged by ultraviolet (UV) light. These discoveries have increased our understanding of how the living cell works, the causes of cancer and aging processes.

He got The Nobel Prize in Chemistry in 2015 for mechanistic studies of DNA repair.





**Bus stop
Croatia**



Faust Vrančić



My name was **Faust Vrančić** and I was a Croatian-Venetian **polymath** and **bishop** from **Šibenik**. I was the son of Mihovil Vrančić , a Latin poet and the nephew of Antonio. My mother was from the Berislavić family. My brother Giovanni, died young in a battle. I was born in **1551** in Šibenik. I died on January **17, 1617** in Italy.



Achievements



I was the chancellor of Hungary. My masterpiece *Machinae Novae* contained 49 large paintings depicting 56 different machines, devices and technical concepts.

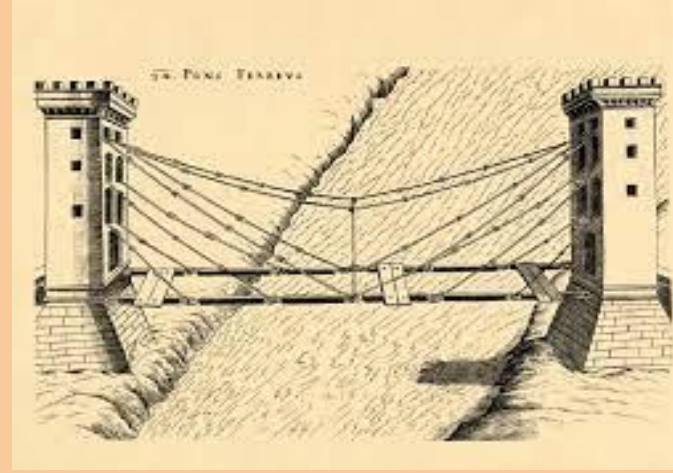
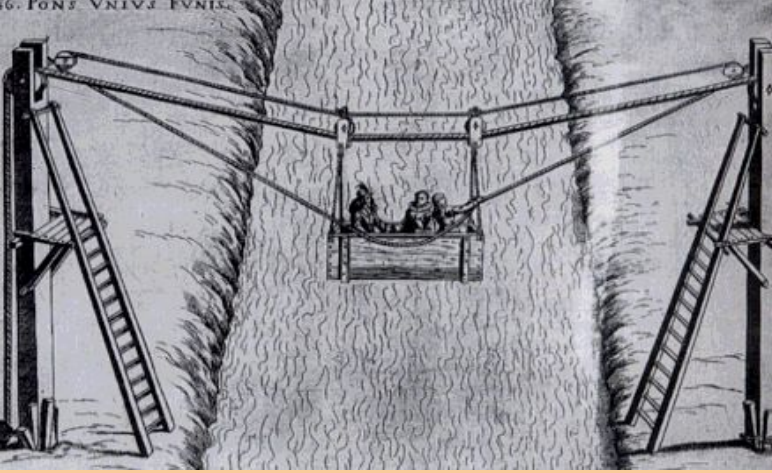


PARACHUTE



I invented the **parachute** when I was 65. I tested **my parachute design** by jumping from the bell tower of st. Marko in Venice.





I also made some other designs such as **aerial lift**, **early truss bridge**, **arch bridge** etc.

I was the **author of a Five-language dictionary**. It was published in Venice in 1595 with 5000 entries for each language - **Latin**, **Italian**, **German**, **Dalmatian** and **Hungarian**.



4in1

Bus stop
Valencia,
Spain



Isaac Peral

- I was a Spanish scientist, sailor and military man, a naval lieutenant and inventor of the first torpedo submarine, known as the **Peral** submarine.
- I was born in Cartagena, at June 1, 1851-Berlin and died in May 22, 1895.
- I was at Cuban War and Third Carlist War.
- I died of Cancer.
- The first submarine was tested at Alicante at 1886.



Submarine

The submarine was invented in
Cataluña

By Isaac Peral in 1859.

It was tested for the first time in
the Port of Alicante

The first submarine can go 300
metres under the level of the
ground





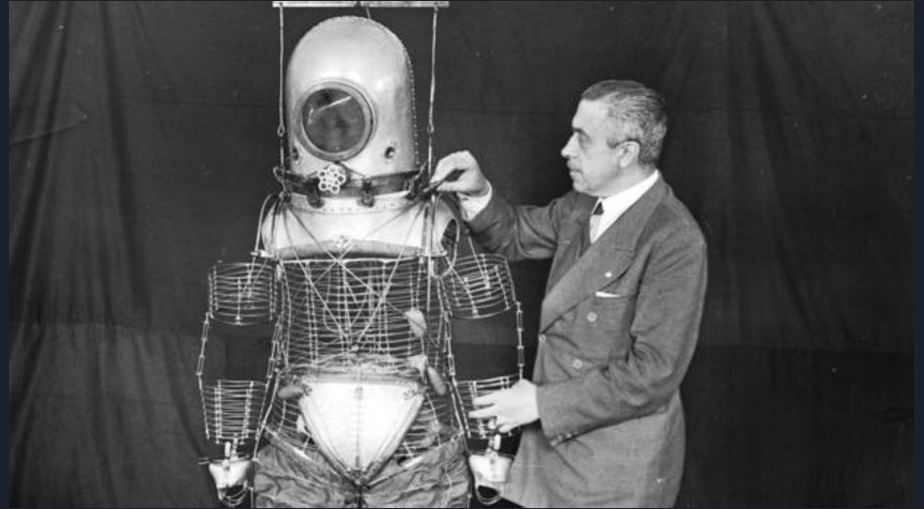
EMILIO HERRERA



I was born in Granada in 1879 and was influenced by the novels of Jules Verne.

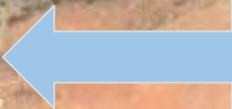
Emilio Herrera invented the space suit in 1935.

Spain's contribution to engineering at the end of the 19th century was marked by this great inventor who designed devices that traversed borders, thus contributing to technological advances and the progress of all humankind.





Bus stop
Canary Islands





ÁNGELA
Ruiz Robles

The mechanical encyclopedia



- “I am considered as the forerunner of the ebook and tablet”
- “I’m a teacher, writer and inventor whose first purpose is to facilitate my students the study of all subjects in an updatable and lightweight format”
- “Although I patent my invention in 1949, due to the Spanish Civil War and the social situation in my country at that time, specially being a woman, it has not been taken into account until a man called **Michael Hart, invented the modern ebook in 1971**”
- “My invention was made of bronze, zinc, wood and paper, and had lens and light for reading at night”



BIOGRAPHY

I was born in Villamanín (León, Spain) on March 28th, 1895. I completed my studies at the School of Education of León, where she taught her first classes shorthand, typing and mercantile accounting between 1915 and 1916.

In 1917, was was a teacher and director at the School of Gordón, In 1918, I obtained the position of teacher in Santa Eugenia de Mandia and in 1934 I did an important job as a manager of the National School for Girls of the Hospice.

People say I died in Ferrol on October 27,1975, but I think it is not possible, because I already have many things to teach and invent.



STEAM WOMEN



ACHIEVEMENTS

In 1944, I carried out the project of the scientific- grammatical atlas, with the purpose of making known Spain with grammar, syntax, morphology and phonetics. Afterwards, I realized the project of the tachymecanographic machine. In 1949, I developed the first proposal of mechanical encyclopedia. Since 2006, the Encyclopedia was part of the Exhibition of the Pedagogical Museum of Galicia, in Santiago de Compostela (Spain) until May 4, 2012, which passed to the permanent exhibition of the National Museum of Science and Technology from La Coruña (Spain)



STEAM WOMEN



- ✗ The invention consisted of a textbook that worked with a mechanical system of air pressure to which you could add different reels each corresponding to a materia. The machine was composed of a series of text tapes and illustrations that go through with reels, all under a transparent sheet with magnifying glass and equipped with light to read in the dark, as well as incorporating sound for the explanations of each subject



The mechanical encyclopedia

Although I patent my mechanical encyclopedia in 1949, nobody paid attention to me and the credit went to a man, Michael Hurt, 30 years later.

My inventions have been considered as precursors of the electronic book or e-book, the revolutionary invention that has changed the way of consuming literature.

Nonetheless, Michael Hurt is considered its inventor of the digital book as we know it today. It was in 1971 when Hurt founded Project Gutenberg. He did it in order to dump physical books in a virtual library programmed by a computer that had to be connected to a telematic network.



IES CORRALEJO

