


# Local and global approaches to livable lifestyles - LOGO

An Erasmus+ KA229 Project

2019 - 2022



Co-funded by the  
Erasmus+ Programme  
of the European Union



Climate change and loss of diversity know no borders, so we looked for solutions together

1. First, the students examined the problems and solutions in their home countries.
2. Then they combined their efforts and looked for new approaches together in international meetings.

# Local and global approaches to livable lifestyles - LOGO

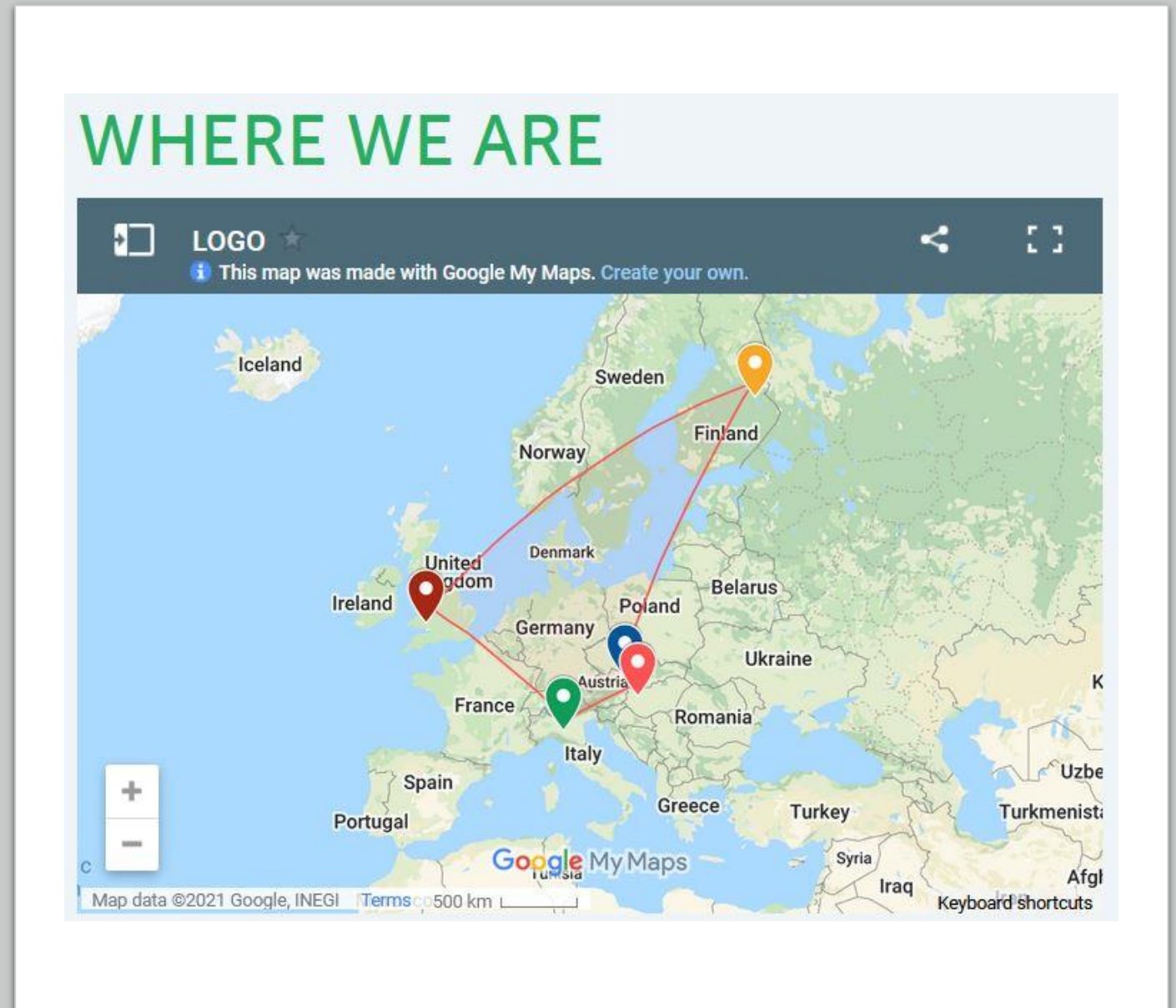
- A strategic partnership in school education KA229
- Duration 2019 – 2022: 2 years + 1 due to the Covid-19 pandemic
- Upper secondary school students and teachers from five EU countries



Co-funded by the  
Erasmus+ Programme  
of the European Union

# The partners

- The coordinator: Nurmeksen lukio, Nurmes, Finland
- The participants:
  - Ajkai Brody Imre Gimnazium, Ajka, Hungary
  - BG/BRG Klosterneuburg, Klosterneuburg, Austria
  - Crickhowell High School, Crickhowell, Powys, Wales, the UK, 2019 – 2021 (exit because of Covid)
  - Liceo Attilio Bertolucci, Parma, Italy



# Five themes

Sustainable farming and food production

Sustainable living

Sustainable diet: food for you, food for the planet

Sustainable consumption

Sustainable energy and the role of forests

# The mobilities

1 short-term exchange for groups of students with participants from all partner schools in Wales, the UK

3 blended student mobilities with 1 – 3 partners taking part online and the rest face to face, hosted by the other partner schools

1 totally virtual mobility hosted by BG/BRG Klosterneuburg

2 teacher training events, one of them a blended mobility

Several online project management meetings

# What have we done?

Measured carbon and water footprints

Grown basil without soil in a bottle

Drawn choropleth maps and examined how population density impacts habitats

Looked for ways to reduce waste

Raised awareness about eco labels

Investigated sustainability measures at schools

Examined the sustainability of our diets

Looked into the sustainability of clothing

Learned about renewable sources of energy and looked for ways to fight the climate challenges

Looked into the role of forests in climate change and loss of diversity

# What have we achieved?

## **OUTPUTS**

- Surveys
- Inquiries
- Presentations
- Videos
- Discussions
- Podcast
- Posters
- Collages
- Blogs

## **SKILLS**

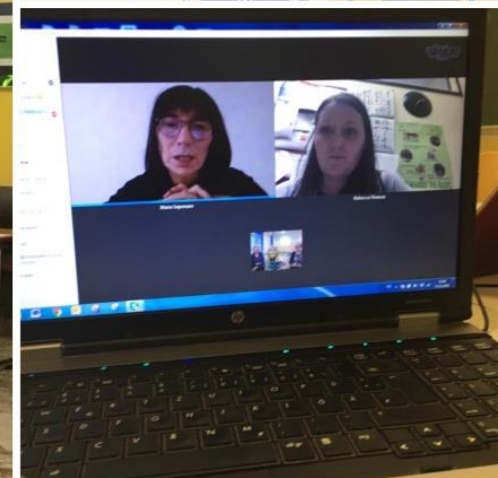
- Cross-cultural communication
- Negotiation
- Problem solving
- Critical thinking
- Argumentation
- Active citizenship
- Team work
- Leadership
- ICT



# The planning meeting in Austria in 2018

---

Already in blended mode with Finns, Hungarians and Austrians present in Klosterneuburg and Italians and the Welsh online





The dream team meets in Wales, October 2019

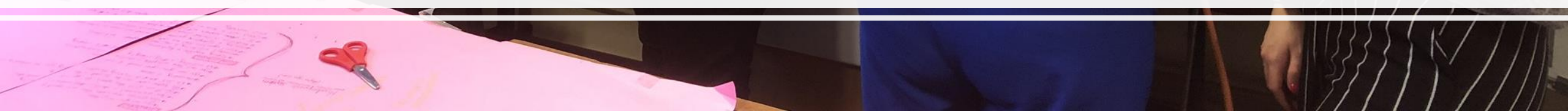


Crickhowell, Wales  
November 2019

The only group exchange for  
students with participants  
from every school present in  
the same place



Building a hydroponics system to grow basil





# Visiting a zero-waste shop

---



Making a  
drinking  
cube –  
without  
plastic!

---



Making friends and  
having fun 😊

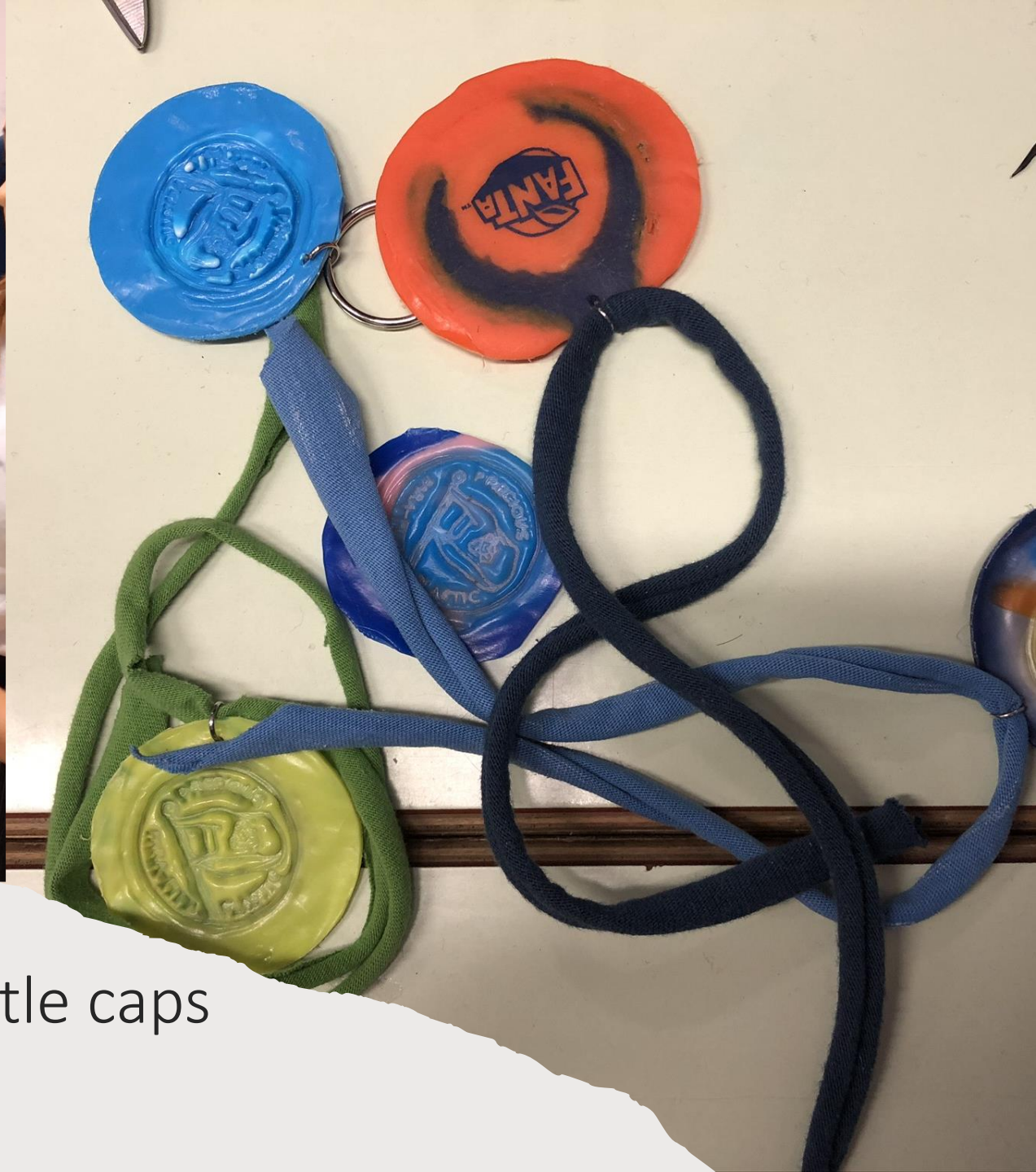




# Ajka, Hungary February 2020

... already missing one partner





Reuse and recycle –  
making key fobs out of plastic bottle caps



Learning what happens to waste water



Visiting an organic farm





## ROWING A BOAT ON AN UNDERGROUND LAKE

- Amazing, incredible natural phenomena
- Strengthening the personal relationship with nature



Admiring the sunset at Lake Balaton



**Coronavirus, Parma sfonda quota 500: 88 casi in più in 24 ore e 21 decessi**

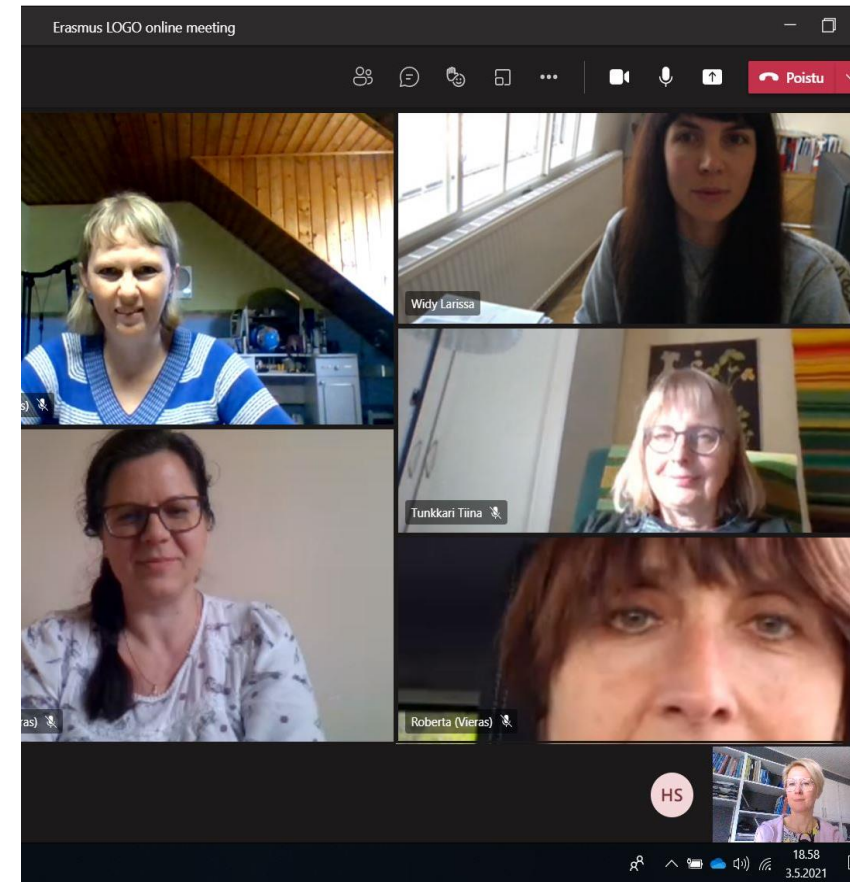
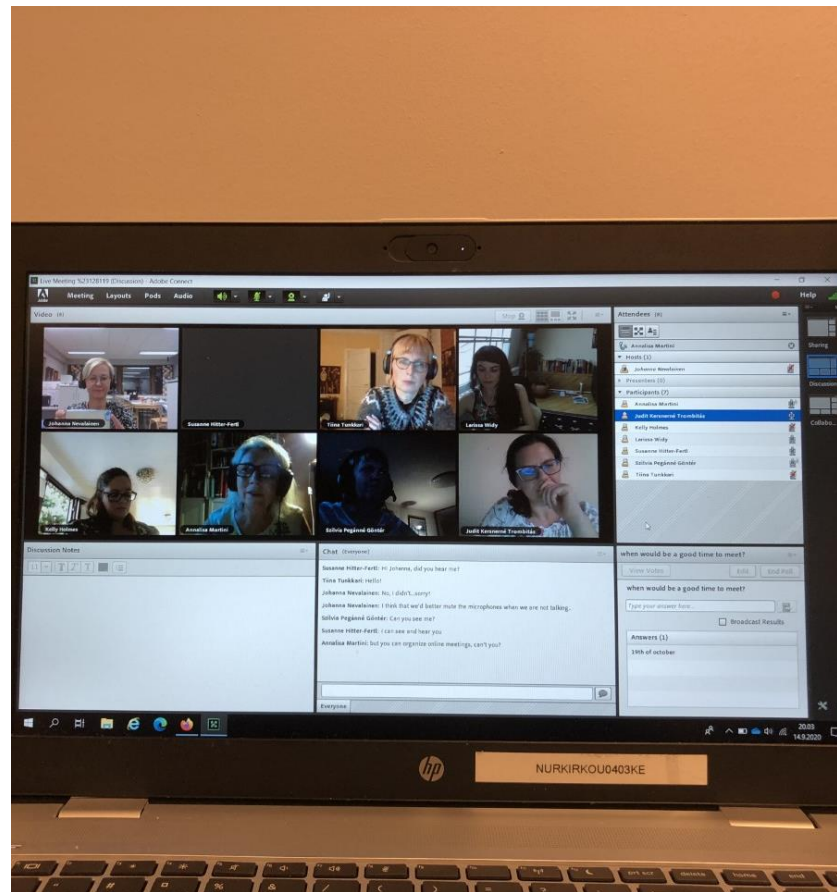
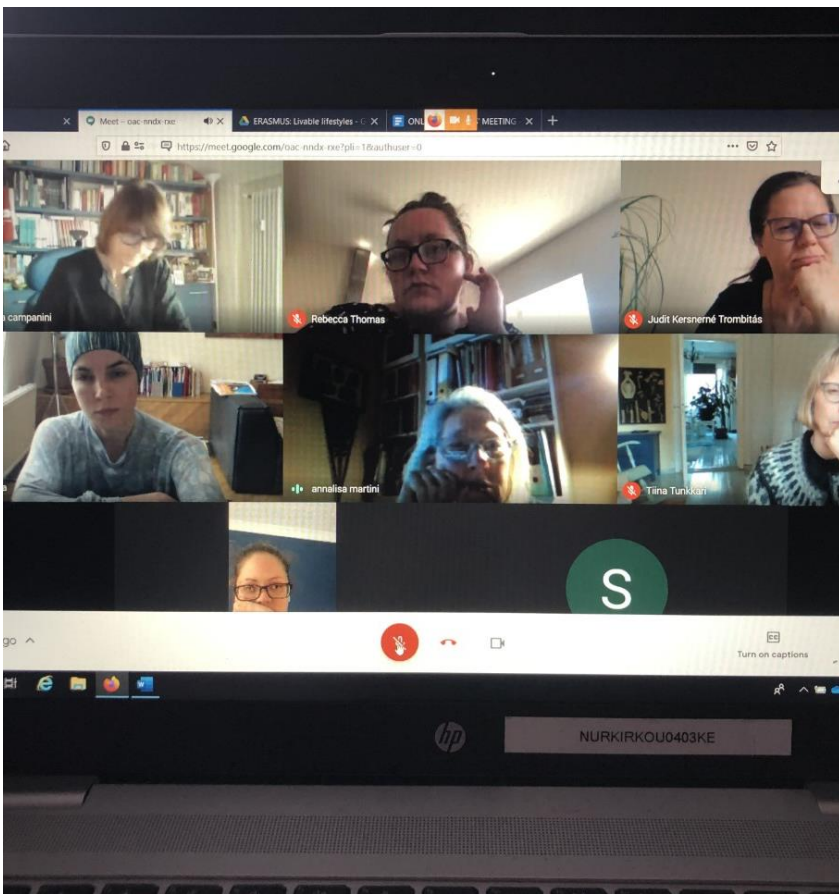


Meanwhile in Italy, our partner school goes into lockdown

The background features a dark teal color. On the right, a large white circle with a red border contains a dark blue coronavirus particle with a red diagonal slash through it, indicating prohibition. On the left, a hand is shown being washed in a sink with water splashing. The word 'CORONAVIRUS' is written in large, bold, black letters with a white outline across the center.

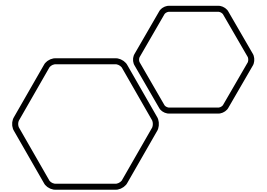
# CORONAVIRUS

The pandemic put the project on hold for a year...

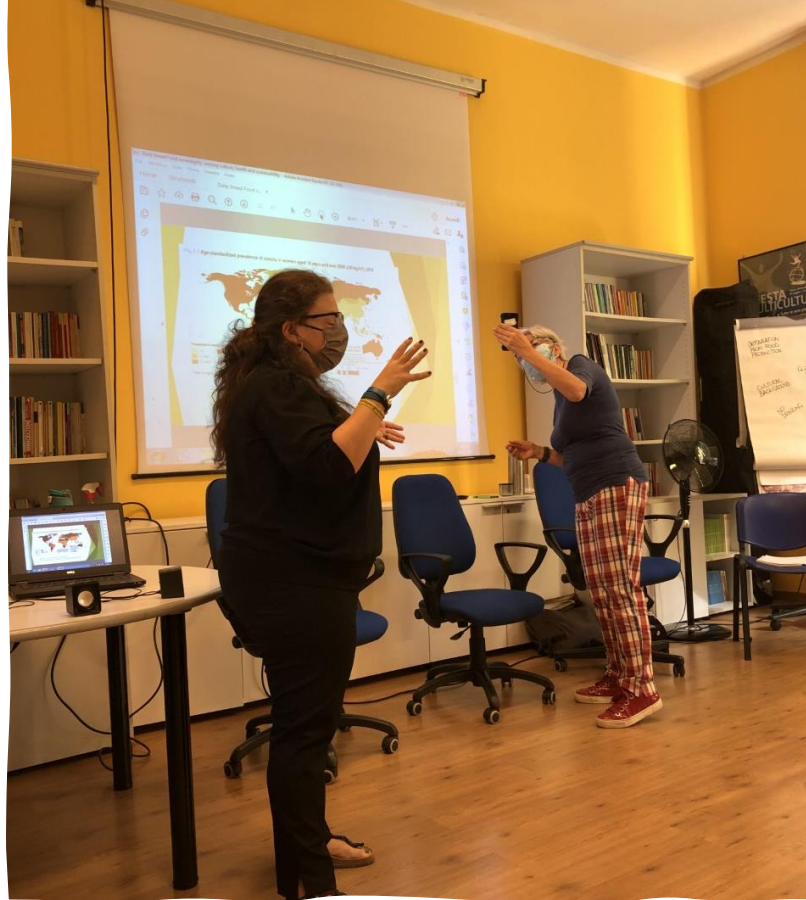


...but we didn't lose touch

- Online project management meetings
- Emails
- Whatsapp group messages





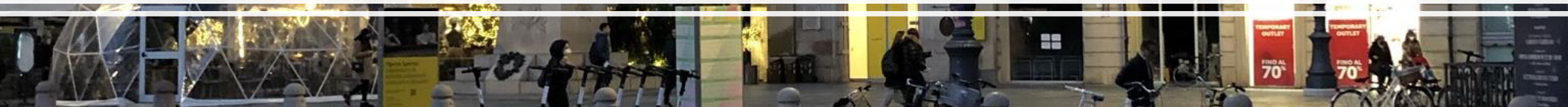


A re-start in  
September 2021

Teacher training in Parma in blended mode



Parma, Italia  
November 2021



Making videos  
– a blended collaboration with Finns  
and Italian in Italy, Austrians and  
Hungarians joining online

---

- [tomato - YouTube](#)





Playing the Eco Game created by the Italian student team



Getting to know  
cultural heritage



A virtual mobility to Klosterneuburg, Austria  
February 2022



bio or

not-bio  
products

Perceiving systemically – a shopping project

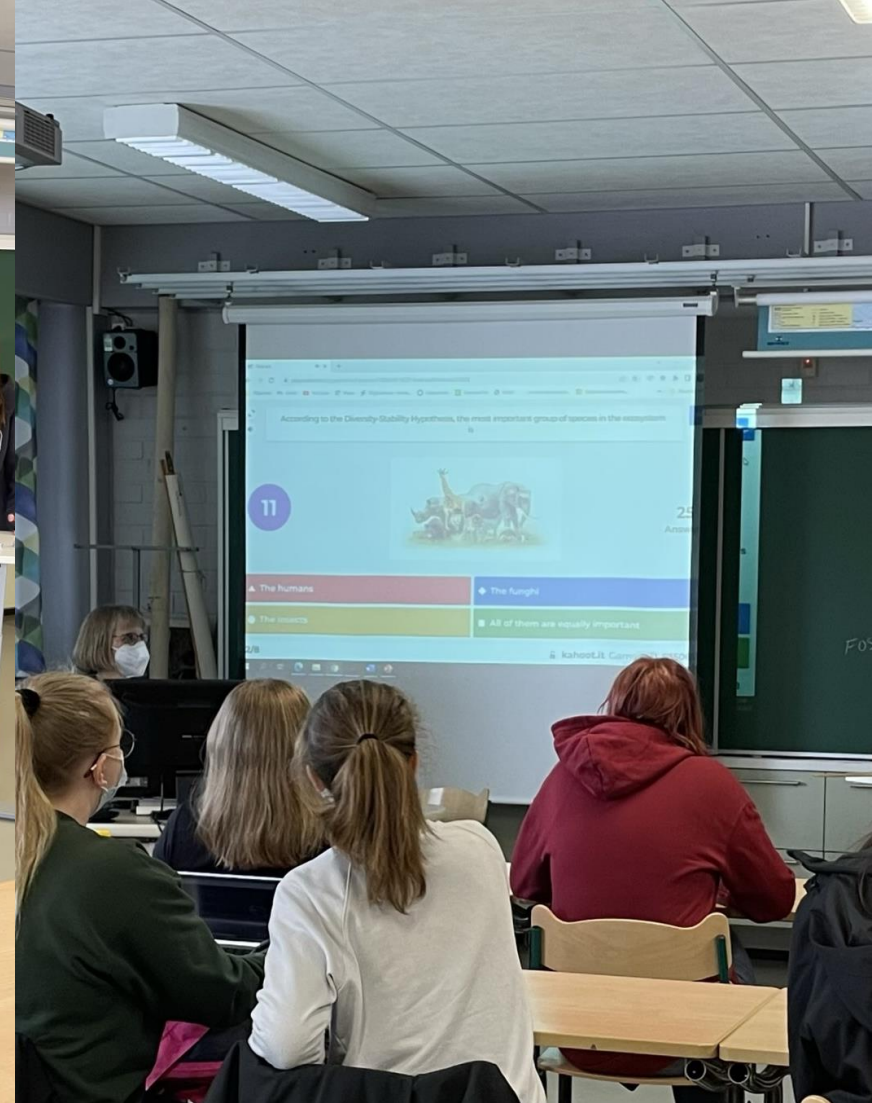
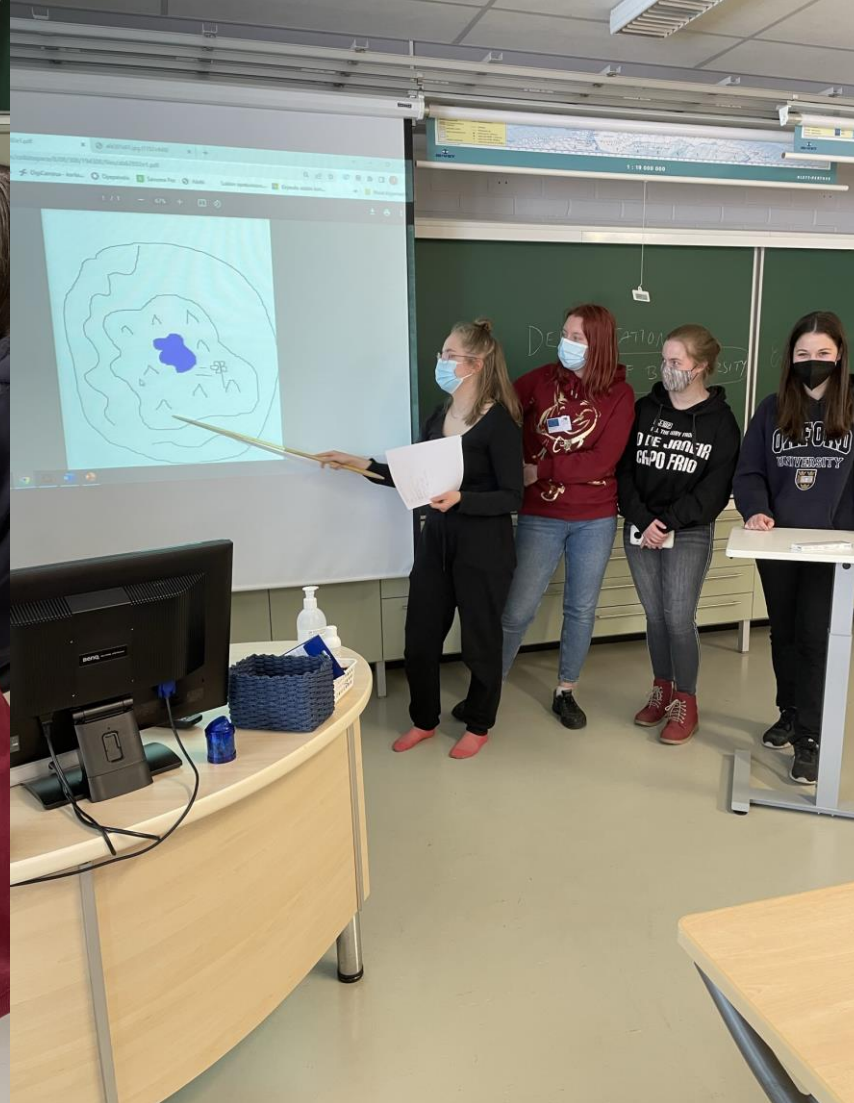


Sustainable fashion shows in partnership with local second-hand shops



# Nurmes, Finland April 2022





A blended mobility

Austrians and Finns in Nurmes,  
Hungarians and Italians joining  
online from home schools

# The role of forests

## It gives a living space for animals



Forests are the home for a lot of animals. They live there and raise their children here. It's the place where their lives begin and mostly end too.

## Trees absorb carbon-dioxide, produce oxygen

They make the air clean and fresh. It's important for the planet to have a clean atmosphere because without fresh air we couldn't be alive.

## Regulate climate



If the forests didn't exist the average temperature on Earth would be much higher.

## Peaceful area to relax

Forests reduce noise and they give a plenty of possibilities to relax and do something in a peaceful area which is isolated from big cities. They help to restore our mental health.

## Ecosystem services



Forests play a crucial role in biomass production, habitat provisioning services, pollination, seed dispersal, resistance to wind storms, fire regulation and mitigation, pest regulation of native and invading insects.

Sources: <https://link.springer.com/article/10.1007/s10531-017-1453-2>  
<https://explore.panda.org/forests>



## INTRODUCTION

*The loss of biodiversity is a very serious matter. It affects us all globally, no matter the age, race or even financial situation. The loss of biodiversity in short, means the loss of different species and ecosystems.*

You can do a lot to help bring back biodiversity. Recycle, plant trees, grow fruits and vegetables and donate to different charities. We have taken a lot from nature, it is time we give back what we have taken.



*Our future has two possible outcomes, depending on the decisions we make today*

### FUTURE #1

*One possible outcome, is the one we're heading towards if we continue in the way we are now. If we continue to recklessly use the nature to our own selfish needs, we will no longer be able to turn back and redeem ourselves. In this future food is scarce, and the earth itself will be nearly uninhabitable.*

### FUTURE #2

*The other outcome is the one we should try strive for. Where we as a society redeem ourselves by protecting nature, the ecosystems in it as well as the species associated with them. In this future we would use renewable resources and stop demanding for more. This is the future where we have a chance of surviving and a possibility to thrive, not just exist.*

## THREATS TO BIODIVERSITY

Here are 5 of the biggest threats to biodiversity. First is the way we take advantage of the lands and the seas. We do this by overfishing and dumping trash into the open seas. Secondly the way we pollute the air, seas and soil. Overpopulation, which leads to us needing more and more food, which we cannot provide ecologically. The climate change that we have caused and finally, the invasive species and diseases roaming around.

*These threats will only grow stronger if we don't act now.*

Source: earth.org, The Statistics of Biodiversity Loss (2020 WWF Report)




Co-funded by the Erasmus+ Programme of the European Union

# TWO FUTURES, ONE CHOICE.

ADA RUCKENSTEINER+LEA DIETRICH

**WHAT IS HAPPENING?**  
AMONGST OTHERS THE BURNING OF FOSSIL FUELS AND WITH THAT THE EMISSION OF CARBON DIOXIDE, DEFORESTATION, PRODUCTION OF WASTE, POWER PLANTS, TRANSPORT, CONSUMERISM, INDUSTRIALIZATION AND OVERFISHING HAVE LED TO GLOBAL WARMING AND EXTREME LOSS OF BIODIVERSITY OVER THE LAST FEW DECADES.



**WHAT DO WE NEED TO DO?**  
WE NEED TO CUT MAN-MADE GREENHOUSE GAS EMISSIONS DRASTICALLY, PHASE OUT FOSSIL FUELS AND MOVE TO RENEWABLE ENERGY THAT WE DO USE, AND WE NEED TO TACKLE DEFORESTATION AND EAT LESS MEAT. MOREOVER, WE MUST EDUCATE PEOPLE ABOUT THE CONSEQUENCES OF CLIMATE CHANGE AND RAISE AWARENESS ABOUT THE TOPIC. APART FROM OUR INDIVIDUAL ACTIONS LIKE CHANGING TO A MORE SUSTAINABLE LIFESTYLE WE ALSO NEED TO ADVANCE POLICIES TO FIGHT CLIMATE CHANGE AND ENGAGE WITH BUSINESSES TO REDUCE CARBON EMISSIONS.


**ANNUAL BENEFITS**  
From large-scale mitigation by 2030

CLIMATE	AVOIDED WARMING	RENEWABLE ENERGY CAPACITY BY 2030	RENEWABLE ENERGY CAPACITY BY 2030
HEALTH	2.4 MILLION	AVOIDED DEATHS FROM AIR POLLUTION BY 2030	AVOIDED DEATHS FROM AIR POLLUTION BY 2030

Co-funded by the Erasmus+ Programme of the European Union

**WHAT IS HAPPENING?**  
THE EARTH IS FACED WITH OVERLAPPING ENVIRONMENTAL THREATS AND IS NEARING A TIPPING POINT. SCIENTISTS SAY THAT WITHOUT A SERIES OF PROMPT AND COORDINATED INTERVENTIONS, BY 2030 EARTH WILL BE ON A PATH OF NO RETURN, UNABLE TO COMPENSATE FOR AND OVERCOME GENERATIONS' WORTH OF DAMAGE, WHICH MEANS THAT EARTH IS ALSO AT A TURNING POINT. ESPECIALLY NOW, AS COUNTRIES RECOVER FROM PANDEMIC-RELATED SHUTDOWNS AND REMAIN THE FUTURE, A RECOVERY, AND A FUTURE, THAT MUST BE GREEN, BLUE, CLEAN, AND RESILIENT. ONLY IF WE ACT NOW, WILL WE BE ABLE TO DIMINISH THE CONSEQUENCES OF CLIMATE CHANGE. ANOTHER REASON FOR ACTING ON CLIMATE CHANGE IMMEDIATELY IS THE TIME IT TAKES TO OVERCOME CHALLENGES WHEN DEPLOYING NEW TECHNOLOGIES AND ROLLING OUT NEW POLICIES.

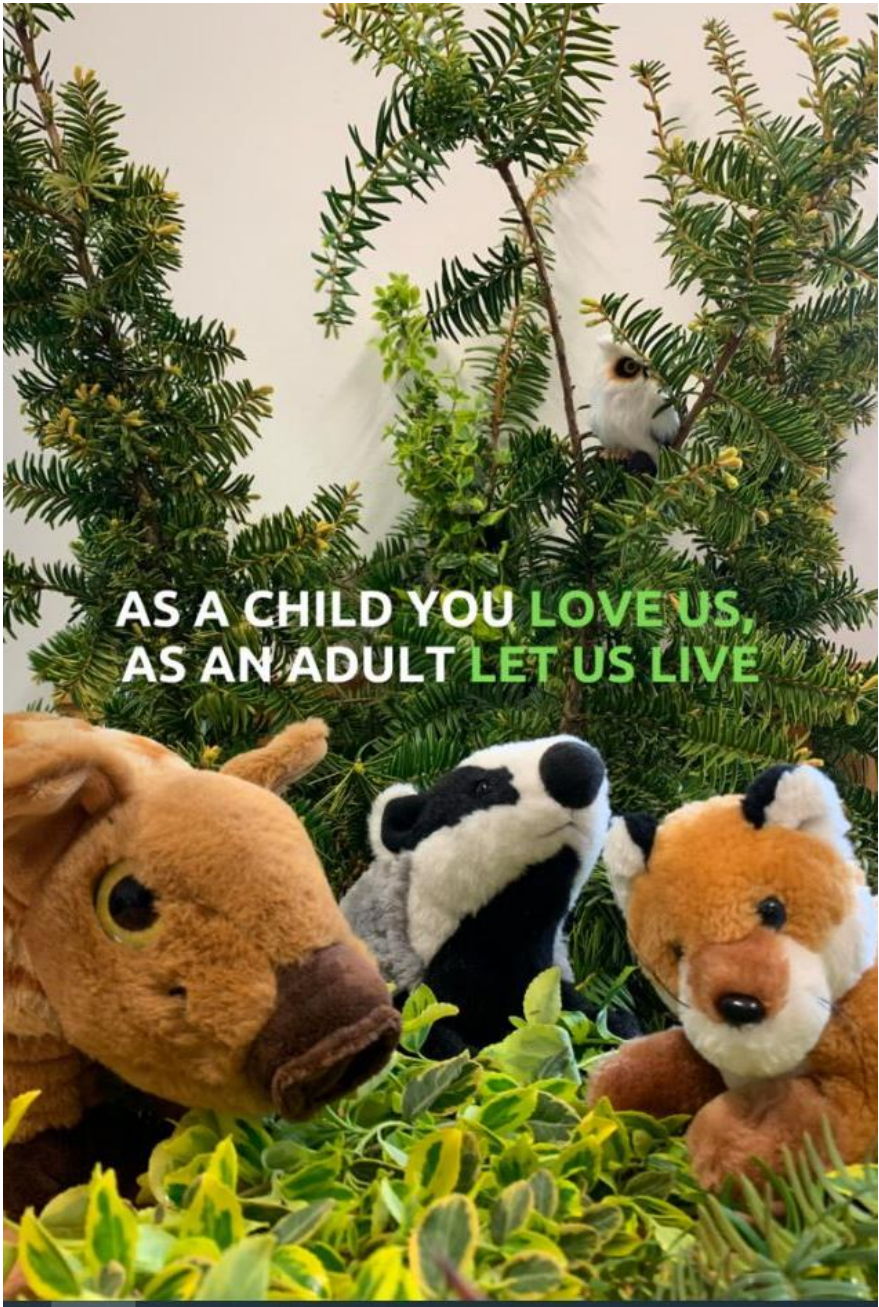
**WHAT HAPPENS IF WE DON'T ACT?**  
IF EMISSIONS STAY AT CURRENT LEVELS, OR CONTINUE TO GROW IF WE DO NOT TAKE ACTION, GLOBAL WARMING IS LIKELY TO EXCEED 1.5°C BETWEEN 2030 AND 2050. FURTHER CONSEQUENCES WILL BE RISING SEA LEVELS, INTENSE DROUGHT, STORMS, FLOODINGS, HEAT WAVES, MELTING GLACIERS, WARMING OCEANS, CORAL BLEACHING, AN ICE-FREE ARCTIC, DECREASED WILDLIFE HABITAT AND A GENERAL INCREASE IN EXTREME WEATHER CONDITIONS.



SOURCES:  
<https://www.epa.gov/climatechange/science-climate-change>  
<https://costarably.com/top-10-top-10-causes-global-warming>  
<https://www.worldwildlife.org/threats/effects-of-climate-change>  
<https://www.c2dcalculator.org/en/content/why-we-need-act-now>  
<https://www.worldwildlife.org/stories/our-planet-is-warming-heres-what-it-looks-like-if-we-dont-act-now>  
<https://theearthmagazine.com/why-we-need-to-act-now-for-the-planet/index.html>

# Posters created in collaboration online





What would the animals say?  
A visual protest for social media

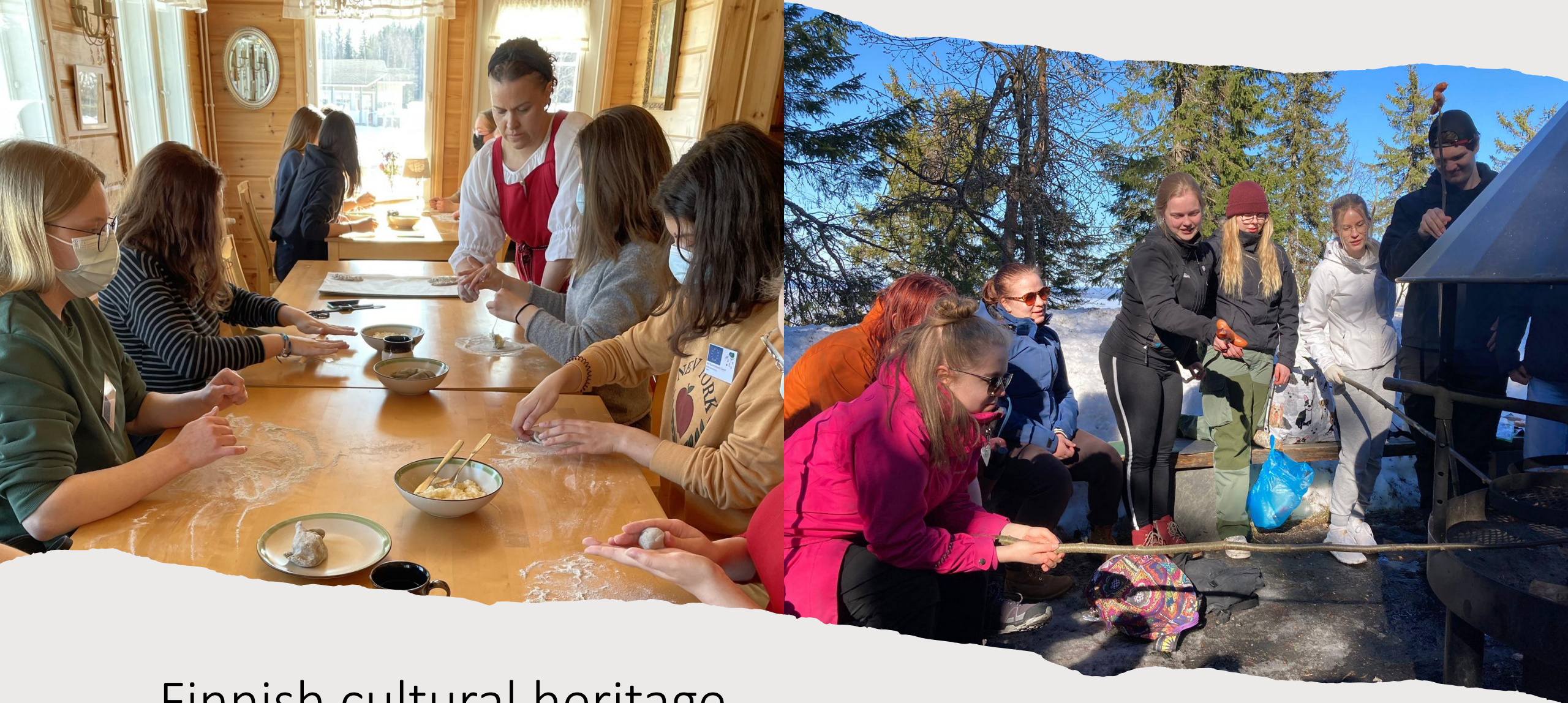
---



Examining  
an old-  
growth  
forest at Koli  
National  
Park

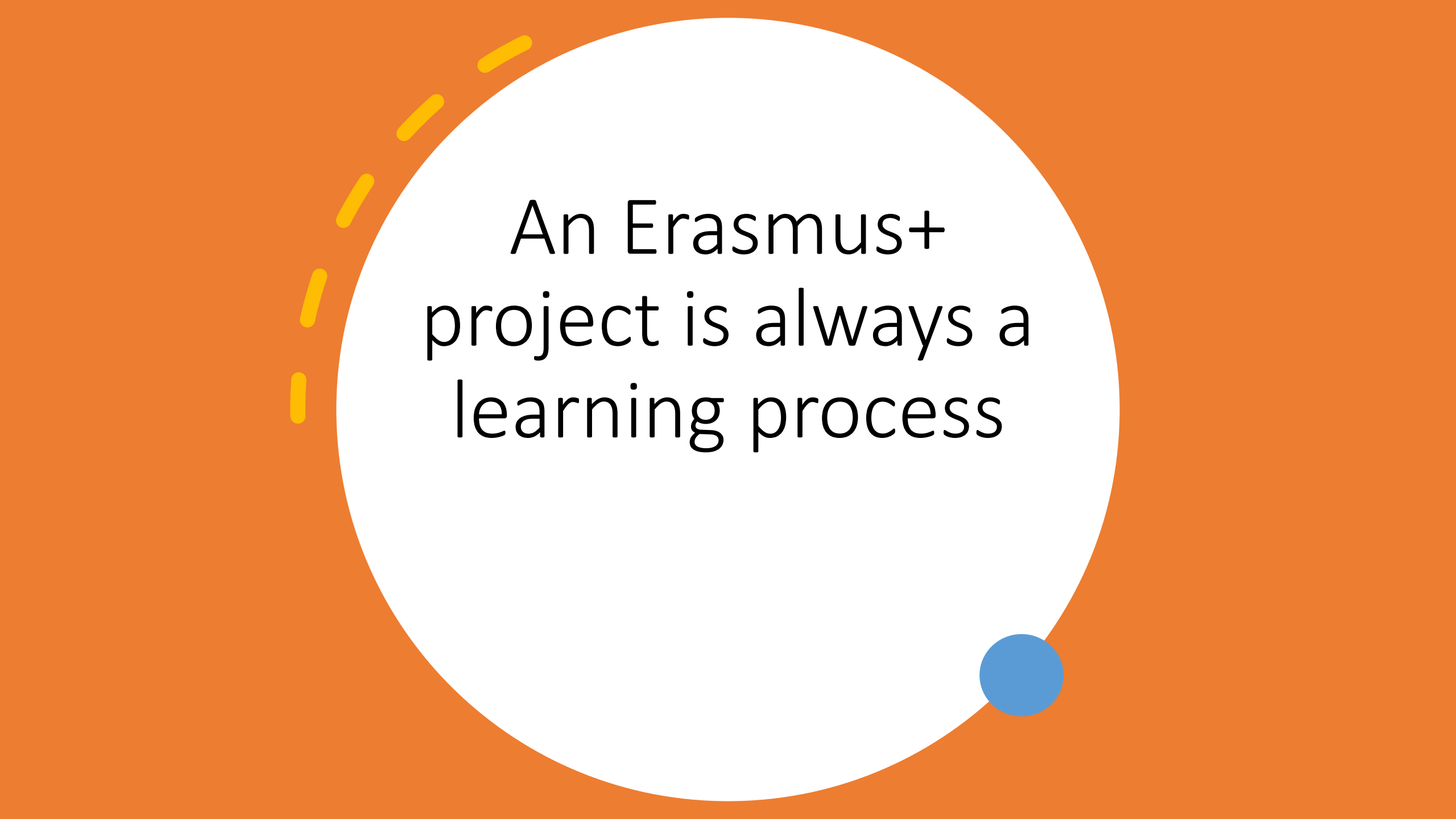


Admiring THE scenery in Finland



Finnish cultural heritage





An Erasmus+  
project is always a  
learning process

# Challenges in virtual collaboration

- Different time zones, in our case three
- Different school timetables and policies
- ICT skills and equipment
- The Internet connections
- Space (one big group in one classroom or several rooms for smaller groups)
- English proficiency
- Cultural difference



# Our solutions in virtual collaboration

Teachers meet online and go through the programme and instructions well in advance

A common platform for work and sharing materials:  
Twinspace and GoogleMeet

Clear timetable and written instructions

Material posted in advance on Twinspace

Teachers' WhatsApp group for quick messages and troubleshooting

At least one teacher present all the time with the student group in each country

A room for each team (if possible)

Various apps to enable online collaboration (Kahoot, Menti.com, Padlet, GoogleDocs...)

Laptops, headsets, cameras, projectors, microphones, loudspeakers

Attendance documented with registration on GoogleForms

Ice breaking and team building activities

The BIG challenges

---

**Brexit**

---

**Covid-19**

---

**War in Ukraine**

# Our secrets of success

Committed and skilled teachers

Motivated students

Good plan at the start – modified in the process

Regular contact via email, WhatsApp and online meetings

Resilience

Sharing and caring

Support from school administration and national agencies

THANK YOU!

