



# My First Steps in Bioeconomy

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# My First Steps in Bio Economy



# The concept of bioeconomy

- The production of renewable biological resources and the conversion of these resources and waste streams into value added products, such as food, feed, bio-based products and bioenergy
- Source: ["Innovating for Sustainable Growth - A Bioeconomy for Europe"](#) (2012)



# Olive Oil



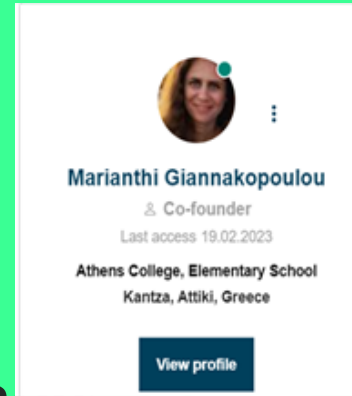
# My First Steps in Bio Economy

## A Garden at School – eTwinning Project

Step one: Introduce ourselves to our partners and exchange pictures/videos of how we planted our seeds and small plants.

Step two: We observe the changes in our plants as they grow (measure height, length and width) and we learn how the compost is used

Step three: We make a salad and enjoy the harvest



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## LEARNING OUTCOMES

- ✓ The plants need water to grow and **water is a natural resource**. We should use it in moderation.
- ✓ The plants need to get the proper nutrients from the ground to grow - **the use of compost**.
- ✓ They realized that the fruit peels and leftovers were not treated as rubbish but were given a second life. They became compost.
- ✓ They developed **basic life skills and soft skills** i.e
  - that we should be patient enough to see the whole process when we grow our plants (**emotional literacy**)
  - that we work together (**cooperative skills**)
  - **we are responsible** for our production (we should remember to water our plants, observe the changes and think ahead).
  - **Critical thinking skills, problem-solving skills** (What happens if we produce more than we can consume?)
- ✓ A strong relationship with nature. They realized **the concept of interdependence** and interaction. Eating what you produce and not buying it at the supermarket creates a feeling of partnership (**Experiential learning**)

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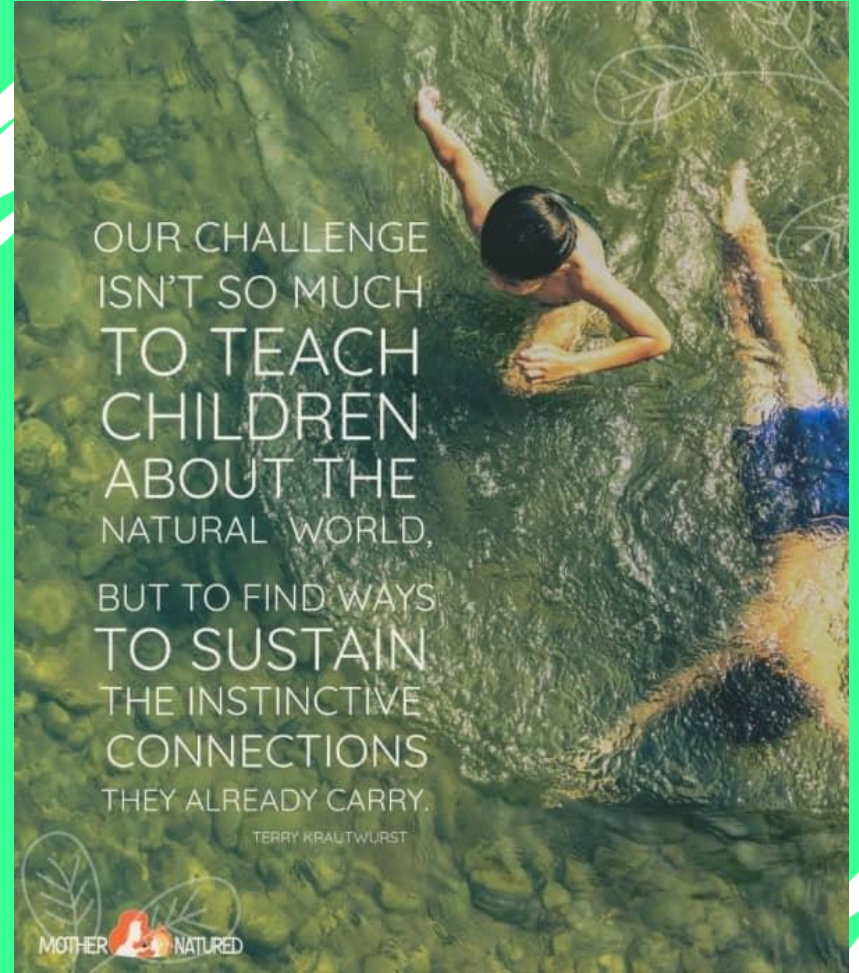
## Challenges

- Time
- Place
- Occasion
- Syllabus – Curriculum

What can teachers do?

### The Hummingbird Story

[https://www.youtube.com/watch?v=5mM11v\\_16-o](https://www.youtube.com/watch?v=5mM11v_16-o)





# Challenge Accepted!

## Thank you

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