www.e-co-foot.eu

Teaching materials on Ecological Footprint

IMPLEMENTATION GUIDE

Version 2 | Aug 2020

This material is part of a course on Ecological Footprint for students. The course consists of the following modules for two age groups:

Age group 1 10-13 years	Age group 2 14-18 years
Calculator	
General Introduction	General Introduction
Mini Hectare Workshop	Mini Hectare Workshop
Nutrition	Nutrition
Housing	A. Housing core B. Housing additional
Mobility	Mobility
Other Consumption	Other Consumption
Background information	

You are here

All the material can be downloaded for free at e-co-foot.eu in different languages.

calculator.e-co-foot.eu is an online tool that allows students to log their daily activities and trace the Ecological Footprint of their habits. Group functions for teachers make it suitable for a warm-up or later check-up-session.

elearning.e-co-foot.eu is an e-learning with selected content from the lectures. E-learning can be used for blended learning of this course, as homework or as training and competence check after in-class lectures.

IMPRINT

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Plattform Footprint, Austria www.footprint.at
Colegiul „Vasile Lovinescu" Fălticeni, Romania www.agricolfalticeni.ro
Eötvös Loránd University (ELTE), Hungary savariakemia.elte.hu
Environmental Education Center (K.P.E.) Pertouliou-Trikkeon, Greece https://blogs.sch.gr/kpepertoul/

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OVERVIEW
COURSE ON THE ECOLOGICAL FOOTPRINT

The purpose of this material is

+ to give an overview on the wide range of resources for teaching the Ecological Footprint, available in five languages.

+ to give a quick guideline and examples how to use this material in class

Materials

Time = Duration in teaching lessons (45-55 min)

* time depending on your task definition

Learning Unit		Learning Unit		e-learning			Calculator	
Age group 1 10-13 years	**Time** Hours	**Age group 2 14-18 years**	**Time** Hours		**Time** Hours **without** calculator use	**Time** Hours **with** calculator use		**Time** hours
							Warm up	1
1. General Introduction	2	General Introduction	2	1. Why we need the Ecological Footprint 2. Understanding the Ecological Footprint	0,5 0,5	1,5		
2. Mini Hectare Workshop	2	Mini Hectare Workshop	2					
3. Food	1	Food	1	3. Food	0,6	1	Food	*
4. Housing	1	Housing core	1	4. Housing	1		Housing	*
		Housing additional	1					
5. Mobility	1	Mobility	1	5. Mobility	0,5	1	Mobility	*
6. Other Consumption	1	Other Consumption	2	6. Other Consumption	0,5	1	Other Consumption	*
				7. Spaceship EARTH	0,5		In-depth Discussion	1

The colour scheme of the learning units and categories runs through the entire material and the tools and aids for better orientation.
All data in the material refer to the year 2018 and 2019
Quelle: http://www.footprintnetwork.org/en and Plattform Footprint www.footprint.at
Newer data (numbers) will in future only be added to the English datasheet, which can be downloaded in the chapter Background material.

Guide to implementation

Teaching a learning unit in class (offline)

For each of the 6 learning units there are

1. **background information** to dive deeper into the concept of the Ecological Footprint (one for all 6 Units)
2. **PowerPoint slides** to show your students prepared with all the information you need to teach
3. **teaching material** accompanying the PowerPoint slides
4. ready-made **leaflets** to print as summary

In some learning units there are additional:

5. **exercises** for the students for learning by doing
6. ready-made **working sheets**, to print – with solutions

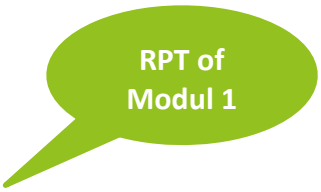
To implement the lesson

- Read the teaching material for the learning unit
- If you need more in-depth preparation, read the BACKGROUND INFORMATION on the Footprint concept
- Prepare items and sheets if needed
- Decide if you want to give exercises as a home work
- e-learning can also be used for preparation or follow-up of the learning units

The learning units (LUs) are prepared to work as stand-alone if you only have little time.

Teaching a course

If you do the whole course, some slides are repeated. As repetition is the mother of learning, it is up to you to decide, whether to skip them, or not. The slides are marked:



LU2 – Mini hectare workshop can be held after LU1 – General introduction or at the end. If you do all Learning Units, it is advisable to finish with the LU2 – Mini hectare workshop, so the order will be LU1 – LU3 – LU4 – LU5 – LU6 – LU2.

Examples for combining the modules

Time available (number of teaching lessons)	**Proposal for the use of these modules**
2	**LU1- General introduction in class** **Homework: e-learning** *1: Why we need the Ecological Footprint* **(online)** *2:Understanding the Ecological Footprint as e-learning homework* **(online)**
3	Warm up – Calculator **(online)** LU1 – General introduction
4	**LU1 – General introduction in class** **Homework: e-learning** *1: Why we need the Ecological Footprint* **(online)** *2:Understanding the Ecological Footprint as e-learning homework* **(online)** **LU2 – Mini hectare workshop in class** **Homework: e-learning** 7: *Spaceship EARTH* **(online)**

5	LU1 – General introduction One of LU3 / LU 4 / LU5 / LU6 in class

	Two of LU3 / LU 4 / LU5 / LU6 as e-learning homework **(online)** LU2 – Mini hectare workshop
8	**LU1 – General introduction** **LU3 – Nutrition** **LU 4 – Housing** **LU5 – Mobility** **LU6 – Other consumption** **LU2 – Mini hectare workshop**
10	Warm up – Calculator **(online)** LU1 – General introduction LU3 – Nutrition LU 4 – Housing LU5 – Mobility LU6 – Other consumption LU2 – Mini hectare workshop In-depth Discussion calculator
15	Warm up – Calculator **(online)** LU1 – General introduction LU3 – Nutrition LU 4 – Housing LU5 – Mobility LU6 – Other consumption Excursion LU2 – Mini hectare workshop In-depth Discussion calculator

Marked in **bold** are the most advisable implementations.