Cu70105 2018 2019 case1 Ecological Footprint

# CU70105 Intermodal Transportation



Mention in your mail reply always the exact heading as stipulated in the mail assignment subject

by using the reply / answer option and remove the “”RE:””

**Delivery by mail deadline Tuesday 9:00 hours**

Electronic delivery time is considered as valid delivery time.

Student(s):

Name:.................

First name: ................

Student code: ................

Group members: ................

Lecturer: R. Boot

Vlissingen, 2016

## Case description

In this case you will learn to understand the impact of consumption and transportation on the available resources, measure and analyses them and report them in Excel.

Follow the below instructions:

1. Go to one of the websites to calculate your personal footprint or find an altenative one:

<http://www.myfootprint.org/>

<http://www.transportdirect.info/Web2/JourneyPlanning/JourneyEmissionsCompare.aspx?&repeatingloop=Y>

<http://www.carbonfootprint.com/calculator.aspx>

<http://www.ecotransit.org/>

<http://www.kompasgoederenvervoer.nl/>

for a transport oriented indication and/or checking of your results. Write and/or copy all your scores like surface needs etc.in an Excel file:

Write the scores in absolute values and in percentages that correspond to those values (%). Total 100% (use the right metrics).

Prepare the overview in an Excel file and present your results in a bar diagram as presented on the websites as the final result.

1. Make the footprint exercise for the second time with the assumption your home is a studio of 20m2 meter in the city of Breda Netherlands. You are driving a middle class car. Use local food and vegetables and all your activities and movements in Europe are performed by car. Put the results next to exercise 1 in Excel and make them clear comparable with your first scores in a table or bar diagram. Make an absolute and relative comparison.
2. Analyze, quantify and explain in which fields and in what magnitude there are changes between the 2 possibilities.
3. How would you minimize your footprint? Please give 4 alternatives in key words.
4. How big is the transportation part in the two scenario’s.
5. Look for the market price of CO2 emission rights.
6. What is the current price to emit one metric ton of CO2?
7. Calculate in the same excel file what would be the cost for the two consumption scenario’s you were asked to fill out.