SUS		s6	session plan
	STAIN	Life cycle assessment	EQF level 5 unit of L.O.
		LCA	SUSTAIN 2
Objectives			Trainer
 Introduce the LCA concept, its limits, challenges and benefits 			
	se databas		
	•	LCA for different building materials and calculate primary ent, R-value and density	
Meth		,	
Video input			Place
	heory pres	Seminar room	
Individual or team research			Time
Calculation exercise in small teams			7H
Discussions and feedback about exercise			711
		is LCA (0,5h)	Documents
		sing energy consumption on the construction site	- RG excel sheet
		e to find the indicators (1h)	with links
±		atabase introduction	
eL	4. How t	o compare different materials (1,5h)	
Content		arning building physics basics (density, R-value, U-value, PEI)	
<u></u>	5. Limits	of LCA (0,5h)	Equipment
S	Non-industrial versus industrial materials, factors like transport		- internet
	6. Concl	usion (1h)	connection
	0	Comparing and discussing results	- computers
	0	Links to footprint and grey energy	- beamer
	After theo	ry content 1-4, make teams of 2-4 persons	- tables
	U:	sing online resources, each team calculates for at least 1	- paper, pens
40	bι	ilding material (2h):	- paperboard & pens
es	-	grey energy	
臣	-	CO ₂	
.≥	-	R value	
Activities	-	material costs	
4	-	labour costs	
		about the exercise and discussion about the limits (theory	
	content 5		
	Recap and	conclusion (theory content 6)	

Preparation

Seminar room ready for the lecture and exercises

- computer, beamer
- working internet connection

Enough space and laptops/computers for the participants