



UNIT 4 - Sustainability goals and considerations, transversal skills, communication, employment opportunities, professional development



STUDY CASE





1 - Scenario

Instructions to be carried out individually or by 2

Comparison of 2 materials on the fundamentals of the circular economy: hemp wool / glass wool.

- Rely on databases and/or websites recognized by the profession such as government or building federation sites
- Relying on Lecture Note LU4, chapter I-A



2 - Scenario

Instructions for a group exercise of 2 or 3 people

With equal constructive qualities, offer 3 insulation solutions (one per group), one of plant origin, one of animal origin, one of origin of recovery, in a specific context: region, type of building, possible participation or not of the customer, existence of local resources etc ...

Argue your choice to the other groups by taking into account the life cycle of the materials, their constructive qualities and their virtuous implementation for humans.

Use simple and effective diagrams to explain to the owner.

Then all groups will choose only one solution out of the three and give the reasons for their choice.



3 - Scenario

Instructions for a group exercise of two or 3 people

With regard to ethics in construction, analysis of a site file for the renovation of a cultural building in a listed village.

Refer to Chapter III in LU4



4 - Scenario

Instructions to be carried out individually or by 2

Find the environmental balance of a minimally processed insulation such as wood wool and a highly processed insulation such as "extruded polystyrene"

Rely on databases and/or websites recognized by the profession.



5 - Scenario

Instructions for a group exercise of two or 3 people

Make a table on the advantages and disadvantages of green insulation (plant-based insulation such as flax, hemp, straw, sheep's wool, wood particles, recycled textile, etc.) and mineral-based insulation (glass wool, rock wool, polystyrene, polyurethane foam)

Rely on databases and/or websites recognized by the profession.

Take into account the criteria,

- Cost
- Technical efficiency: thermal, phonic, water
- Maintenance
- Health impact
- Durability
- Social impact



6 - Scenario

Complete the positioning table of your personal development journey.

	I'm starting	It's ongoing	Confirmed	I master
Discovery.				
Learning.				
Practice.				
Mastery of practice.				
Mastery of the trade.				
Transmission				
Self-realization.				