



With the support of the
Erasmus+ Programme
of the European Union



Advanced Curriculum on Energy Efficient Buildings in Extreme Continental and Sunny Climate / CEBEC



Agenda 2021-08-30

1. Welcome and presentation of agenda (JA)
2. Participants (short round) (All)
3. Minutes from last meeting (JA)
4. WP2 – Status of course development, equipment (JA, GMIT, MULS, MUST)
5. Economy – Status of economy documents (BR)
6. Report to EU
7. Any other business (All)
8. Next steps (JA)
9. End of meeting (JA)

WP2 Development (LU)

- The current situation at regarding courses and equipment
 - GMIT
 - MUST
 - MULS

GMIT– Courses

Name	Documen t	Equipment	OK?	Level of development reached (%)
Energy Efficient Buildings	YES	Specified	YES	
Energy Management and Auditing	YES	Specified	YES	
Energy Storage	YES	Specified	YES	
Energy Systems	YES	Specified	YES	
Modelling and Analysis of Energy Systems	YES	Specified	YES	
Energy Economics and Planning	YES			

GMIT - Equipment

Name	Nr	Price Excl. VAT in €		OK?	Comment
		Unit	Amount		
PV Wind Laboratory System	1	33 000	33 000		
Smart Grid System	1	15 000	15 000		
HVAC Monitoring System	1	8 000	8 000		
Lux meters	3	333	1 000		
Thermal imaging camera	3	333	1 000		
Energy meters	3	166	500		
Measuring system for temp and humidity	5	300	1 500		
		Total	60 000		

MUST - Courses

Name	Document	Equipment	OK?	Level of development reached (%)
A.WHE 318 District Heating Network	YES	Specified	YES	
A.WHE 361 Heating, Ventilation and Air Conditioning system control and management	YES	Specified	YES	
A.WHE 383 Renewable Energy Planning in Buildings	YES	Specified	YES	
Application of Solar Energy in Buildings	YES	Specified	YES	
Short term training for Engineers on Building Energy Efficiency	YES	Specified	YES	
Programming and Simulation using MATLAB	YES	Specified	YES	

MUST - Equipment

Name	Nr	Price Excl. VAT in €		OK?	Comment
		Unit	Amount		
Didactic Refrigeration Teaching Equipment Mechanical Heat Pump Trainer			5800		
Equipment set building HVAC Controls			10000		
Testo 435-3 Multi-function IAQ/HVAC/R Meter w/ Differential Pressure			800		
LocTesto 816-1 Sound Level Meter/Datalogger			250		
Testo 540 Light Meter, 0-100,000 LUX			550		
Textbooks			2100		
Renewable Energy Trainer Kit			30000		
Advanced Sense Pro / Environmental test meter			3500		
Software			2000		
Computers			5000		
		Total	60 000		

MULS - Courses

Name	Document	Equipment	OK?	Level of development reached (%)
Solar Energy Applications	YES	Specified	YES	
Renewable Energy Resources Utilization	YES	Specified	YES	
Renewable Energy Planning in Construction Industry of Mongolia	YES	Specified	YES	
Energy and the environment	YES	Specified	YES	
Energy Analysis and Modelling	YES	Specified	YES	
Green Building Design	YES	Specified	YES	
MatLab	YES	Specified	YES	

MULS - Equipment

Name	Nr	Price Excl. VAT in €		OK?	Comment
		Unit	Amount		
Indoor Air Quality universal instrument including thermal comfort test and data control software	2	15 540 000	31 080 000		Give price in €
Bluetooth Thermohygrometer	6	510 000	3 060 000		
Bluetooth Thermoanemometer	6	495 000	2 970 000		
Indoor Air Quality Measurement Equipment	6	621 000	3 726 000		
Outdoor Air Quality Measurement Equipment	6	1 200 000	7 200 000		
Thermal camera	3	9 785 000	29 355 000		
laptops+ printer	5+1				
		Subtotal	77 391 000		
		VAT	7 739 100		
		Total	85 130 100		

Information n

- The current situation at regarding courses and equipment
 - GMIT
 - MUST
 - MULS

Agenda

1. Welcome and presentation of agenda (JA)
2. Participants (short round) (All)
3. Minutes from last meeting (JA)
4. WP2 – Status of course development, equipment (JA, GMIT, MULS, MUST)
5. Economy – Status of economy documents (BR)
6. Report to EU
7. Any other business (All)
8. Next steps (JA)
9. End of meeting (JA)

Economy

The current situation at regarding economy and personnel documents:

- GMIT
- MUST
- MULS

STATUS Economy and personnel documents

	MUST	GMIT	MULS
Timesheets	OK untill Aug 2021 (Missing some Nov 2020 – April 2021?)	OK until Apr 2021 None after Apr 2021	None correct
Joint declaration	OK untill Aug 2021 (Missing some Nov 2020 – April 2021?)	OK until Apr 2021 None after Apr 2021	None correct
Travel costs	OK		
Employment document	OK	OK	None

Report to EU

- For each course, give the level of development reached as compared to the final product.
- Describe for each university, the recognition and accreditation procedures to be followed and the activities already implemented in this respect. (Short, max half page).
- Gender balance. Give actual gender balance for students and staff.
- Lock downs because of Covid 19 – Give dates please.
- Help with arguments why we would like to extend the project time.
- VAT?

Agenda

1. Welcome and presentation of agenda (JA)
2. Participants (short round) (All)
3. Minutes from last meeting (JA)
4. WP2 – Status of course development, equipment (JA, GMIT, MULS, MUST)
5. Economy – Status of economy documents (BR)
6. Report to EU
7. Any other business (All)
8. Next steps (JA)
9. End of meeting (JA)

Any other Business

- Situation in Mongolia, Estonia and Sweden – Travelling, visit?
- Next meeting 25/10 via Zoom

Next steps

From last meeting we have:

- Please send requested documents directly.
- Send Declaration and Timesheet for 2020-05-01 to 2021-07-14 before 2021-09-03
- Help with Midterm report.

New:

- For each course, give the level of development reached as compared to the final product.
- Describe for each university, the recognition and accreditation procedures to be followed and the activities already implemented in this respect. (Short, max half page).
- Gender balance. Give actual gender balance for students and staff.
- Help with arguments why we would like to extend the project time.
- Dates for Lock down

End of Meeting