MOTIVATION FORM FOR EU-CORE (MANDATORY)

General Instructions (please read carefully)

To demonstrate your motivation and background for EU-CORE, please fill out the mandatory motivation form.

There are **2 parts** that must be completed. **Failing to use this mandatory form will result in receiving a grade of 0 on the motivation criterion. Please all parts of the motivation form, every question is mandatory.**

Use font size 11 or 12. Use the font of your choice (standard one are perfect).

"Characters" is understood as letters and punctuation.

PART I – About you and your motivations for the programme

Instructions:

This part helps us understand who you are, both as a person and potentially as a future EU-CORE student.

There is no need to address anyone with an introductory phrase such as "To whom it may concern" or "Dear…"

Simply answer each question individually, as you would do in a regular form. Don't use connecting words between your answers.

1) **Personal introduction (400 characters max, spaces not included).**

2) **Briefly state why you want to apply for EU-CORE and why you chose a specific master's programme on renewable energy system (400 characters max, spaces not included).**

3) **Describe your strongest qualifications, past experiences and personal qualities that will help you to succeed in EU-CORE. Provide verifiable achievements with your claims such as prizes, recognition or ranking in specific competition (800 characters max, spaces not included).**

4) **Elaborate on your intended professional development path after getting your EU-CORE master's degree (400 characters max, spaces not included).**

PART II – About your background

Instructions:

This section complements your transcripts to help us understand your academic background in relation to the EU-CORE programme.

Complete tables 1 and 2 as instructed.

One course can be used in several topics in Table 2.

If you have followed courses outside of your latest degree that could match one of topics, please add them and include the plaform on which you followed the courses (e.g. Automatic Control - MOOC)

Table 1 – Your prior degree

Undergraduate degree title (if you have already obtained a master, include it)	
Specify any minor/major or specialization	

Table 2 – Connections between your curriculum and the EU-CORE programme

Below is an example on how to fill out the table (the matrix to fill out is on the next 2 pages, in blue):

THEME	Key concept	Not covered	Beginner	Intermediate	Advanced	Most relevant course(s) where the concept was covered (list 3 courses max.)
Artificial Intelligence	Knowledge representation	X				*N/A*
	Machine learning				X	*ML201 Supervised learning* *ML302 Deep learning* *ML405 Advanced Machine learning*
	Symbolic AI		X			*SAI101 Introduction to symbolic AI*

THEME	Key knowledge	Not covered	Beginner	Intermediate	Advanced	Most relevant course(s) where the knowledge was covered (list 3 courses max.)
Electrical Engineering	Electric circuits	☐	☐	☐	☐	
	Electric machines	☐	☐	☐	☐	
	Energy conversions and storages	☐	☐	☐	☐	
Mechanical Engineering	Fluids and solid mechanics	☐	☐	☐	☐	
	Heat and mass transfer	☐	☐	☐	☐	
	Mechatronics	☐	☐	☐	☐	
Control Engineering	Signals and systems	☐	☐	☐	☐	
	Linear control	☐	☐	☐	☐	
	Nonlinear control	☐	☐	☐	☐	
Process Engineering	Optimization	☐	☐	☐	☐	
	Modeling and simulation	☐	☐	☐	☐	
	Process control	☐	☐	☐	☐	

THEME	Key knowledge	Not covered	Beginner	Intermediate	Advanced	Most relevant course(s) where the knowledge was covered (list 3 courses max.)
Computer Engineering	Computer architecture	☐	☐	☐	☐	
	Python/C/C++	☐	☐	☐	☐	
	Scientific/numerical computing softwares (e.g. Matlab, Mathematica, Julia, Octave or similar)	☐	☐	☐	☐	