ERASMUS+ KA220-SCH | Project 2024-1-ES01-KA220-SCH-000254011

AI4GreenEd - Artificial Intelligence for Environmental Learning

WP4 Co-Creation Labs & Hackathon - Trabzon, 13-14 October 2026

Working Time!!

First day 13/10/2026

Spanish Track

Track F - Teaching responsibly with AI

Cross-cutting, aimed at teachers: tools to plan, differentiate and assess.

#	Challenge	Description and role of AI
1	Lesson in 20 minutes	A model prompt that generates a complete environmental lesson with objectives, activities and assessment, to be tested and corrected.
2	Differentiation	The same environmental content adapted to three competence levels or to students with special needs.
3	Error hunt	Students spot inaccuracies and bias in AI answers on environmental topics, training critical thinking.
4	Formative assessment	Automatic quizzes and feedback on an environmental unit, with the teacher checking the quality of the questions.

Criteria for a good challenge

- **Real:** it concerns a concrete class, school or local area, not a generic topic.
- **Feasible in two days:** a testable prototype with prompts or a custom GPT can be reached.
- **Reusable:** other teachers, also in another country, can adopt it with small adaptations.
- **AI-appropriate:** the AI adds value (personalisation, simulation, generation, feedback) and is not just a search engine.
- **Responsible:** it needs no personal data of students and foresees teacher supervision.

Template to propose a challenge (one sheet per challenge)

Field	Answer
Challenge title	
Proposing partner / school	
Track (A-F or open)	
Who is involved (class, age, study track)	
What the problem is	
Why it matters locally	
What the AI tool should do	
A concrete figure or observation	
What is needed to test it in class (WP5)	

Spanish Challenges

Challenge 1

A model prompt that generates a complete environmental lesson with objectives, activities and assessment, to be tested and corrected.

Field	Answer
Challenge title	Generating a materials and guides to create about
Proposing partner / school	Spanish Team (IES Castelar)
Track (A-F or open)	Track F
Who is involved (class, age, study track)	Main agent involved is the teacher and their classroom
What the problem is	Sometimes we don't have resources organized to develop a lesson that fits with our CV in our subjects, so it's difficult creating lessons to work with environmental concepts within our class that cross-cut both environmental and current lesson.
Why it matters locally	This is a cuss-cutting concept it is aimed to help teachers to adapt their contents including environmental contents into their curriculums easily.
What the AI tool should do	ChatGPT or others LLM tools should be OK. However, the more information you give to the LLM the better will be the results.
A concrete figure or observation	
What is needed to test it in class (WP5)	

Challenge 2

Automatic quizzes and feedback on an environmental unit, with the teacher checking the quality of the questions.

Field	Answer
Challenge title	Generating autoevaluation tools (quizzes) with feedback about a environmental units or lessons allowing the teacher to check the quiz before deploy it.
Proposing partner / school	Spanish Team (IES Castelar)
Track (A-F or open)	Track F
Who is involved (class, age, study track)	The teacher is the main agent, who is responsible to create the quizzes with the help of an AI tool, and students are the aimed agent who will use the quizzes to consolidate their knowing about the subject thanks to the questions and feedbacks.
What the problem is	A great way to let the teacher and students what they really know and learning from errors are quizzes with a good feedback. You may do a quizzes and review the wrong answers to questions with a feedback that let you know why you made a mistake. However, thought all the advantages of this tools, creating this kind of quizzes requires a lot of time and effort for the teachers. Moreover if your main subject is not

	sustainability or environmental contents (cross-cutting contents).
Why it matters locally	Actually, this scenario is common to all teachers and to all subjects, however it may be quite useful not only to help students to consolidate the contents that they worked in the unit, but to add easily contents related with the unit and with environmental contents.
What the AI tool should do	ChatGPT or any LLM tool will be enough.
A concrete figure or observation	
What is needed to test it in class (WP5)	

Challenge 3

The same environmental content adapted to three competence levels or to students with special needs.

Field	Answer
Challenge title	Same contents, different minds
Proposing partner / school	Spanish Team (IES Castelar)
Track (A-F or open)	Track F
Who is involved (class, age, study track)	Teachers and Students. There are several approaches: - Teachers create and adapt their lessons, and students uses the results. - Teacher create the resources, and let the students to adapt them to their needs using an AI tool.
What the problem is	We are differents, we learn in different ways, we are in different courses, we use different languages. AI tools can help us to automatically adapt contents to be used successfully by our students. For example, in our highschool there are students who don't speak Spanish or have problems with the language. So a tool who simply translate the contents to their native language or let them to ask for the meaning of some words or expressions would be nice. It should be nice being able to the students to ask for another way of explanation about a concept, because they don't understand the first way. Of course, we should establish some objectives and main contents who students should know at the end of the lesson (challenge 2 would be a good complement) but the idea is let the students to ask to the tool to adapts what they need to their actual level and needs. Again, we need to establish the goals to let the tool know that if the level of a student is lower it has to keep on presenting contents from more basic to complex to let the student get to all de objectives and contents.
Why it matters locally	This is a scenario shared for a lot of highschools, different levels and different languages. Every year we have students who don't understand Spanish in the beginning of the course.

What the AI tool should do	It should be nice having an specific AI tool with some fundamental instructions or a basic prompt created for the teacher and then let the students just asking for the contents loaded by the teacher with the restrictions the teacher put. Maybe ChatGPT or a LLM tool could be used or an conversational agent or assistant.
A concrete figure or observation	
What is needed to test it in class (WP5)	