

ENV^{HEI}



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STORYTELLING SHOWCASE EVENTS

Learning Journey

Winter School Posters

Guillermo Alba Buitrón (Student)



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Silesian University
of Technology

My story!

Winter School

ENVH EI

Leoben, February 2026

My background

I am a 21-year-old student from the Bachelor in Aerospace Engineering from the University of León, Spain. I specialise in Computer Fluid Dynamics (CFD) analysis and Aerodynamics.



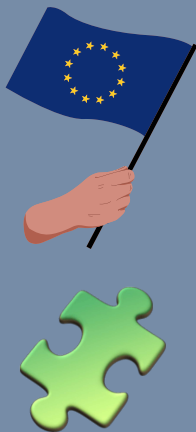
Guillermo Alba Buitrón

Problem-Solving and Soft Skills

My ability to analyze interdisciplinary issues improved significantly through collaboration with teammates from diverse fields, broadening my knowledge in project management, logistics, and market analysis beyond aerospace engineering.



Working with Polish teammates enhanced my communication across language barriers; I structured discussions effectively, resolved disagreements through data-driven compromises, and managed pressure under tight deadlines.



I evolved from technical specialist to proactive coordinator, taking responsibility for simulations and logistics while balancing multiple project dimensions simultaneously.



Sustainability Awareness and Green Competences

I developed problem-solving skills by tackling complex engineering challenges, optimizing aerodynamics, ensuring structural integrity, and minimizing carbon footprint with recycled materials in sustainable bicycle design.












This experience fostered environmental responsibility, an aspect traditionally overlooked in engineering education. I learned to prioritize green competences like lifecycle assessments and material substitutions in real projects.












International collaboration proved essential for addressing sustainability challenges, demonstrating that cross-cultural teamwork and systems thinking are fundamental for engineering's green transition.



Problem-Solving and Soft Skills

-  What **new problem-solving skills** have you developed during the activities?
-  How has your **ability to analyze complex problems** improved?
-  Can you give an **example of an innovative solution** you proposed?
-  What have you **learned about working in interdisciplinary teams**?
-  How has **your role** in group work changed or improved?
-  What **strategies did you use** to share ideas effectively?
-  How did you **handle disagreements or conflicts** within the team?
-  What did you **learn from your teammates'** perspectives or disciplines?
-  How did you take **responsibility within your group project**?

Sustainability Awareness and Green Competences

-  What does **environmental sustainability** mean to you now?
-  How has **your attitude toward sustainability** changed?
-  Do you think **sustainability** should be part of all university curricula? Why?
-  How important are **sustainability competences for your future career**?
-  What **motivates you** to promote sustainability professionally or personally?
-  What **sustainability challenges** can you now identify in **your field**?
-  What **actions can you propose to reduce environmental impacts** in projects?
-  Describe a **sustainable solution** you helped develop.
-  How has **collaboration** influenced your approach to sustainability?