



# ALCHIMIA

## First Newsletter

Welcome to ALCHIMIA's first newsletter | April 2023

Dear ALCHIMIA community,

We are very excited to release our introductory newsletter! Within this newsletter, readers will easily be able to locate:

- A comprehensive introduction to the ALCHIMIA project.
- Exclusive [interview](#) with the ALCHIMIA coordinator.
- Our blog posts about '[The benefits of Federated Learning for the European steel industry](#)' and '[Human factor analysis in the ALCHIMIA project](#)'

The ALCHIMIA project is dedicated to promoting sustainable metalworking in the EU, and we are committed to continuing our work towards this goal. We invite you to stay tuned for updates on our progress and to follow us on social media to stay up-to-date with the [latest news](#) and developments. By working together, we believe we can make a significant difference in creating a more sustainable future for the metalworking industry.

Thank you for your support and interest in the ALCHIMIA project!



## ALCHIMIA in a nutshell



The ALCHIMIA Project (Grant Agreement – n° 101070046) is specialised in the digitalisation of EU metallurgy industries to unlock the full potential of artificial intelligence and support the green transition. The main mission of the ALCHIMIA project is to provide the comprehensive and effective metalworking industries in the EU with a platform to support the transition to high-quality, competitive, efficient, and green production processes with the guarantee of high quality products in the steelmaking industry.

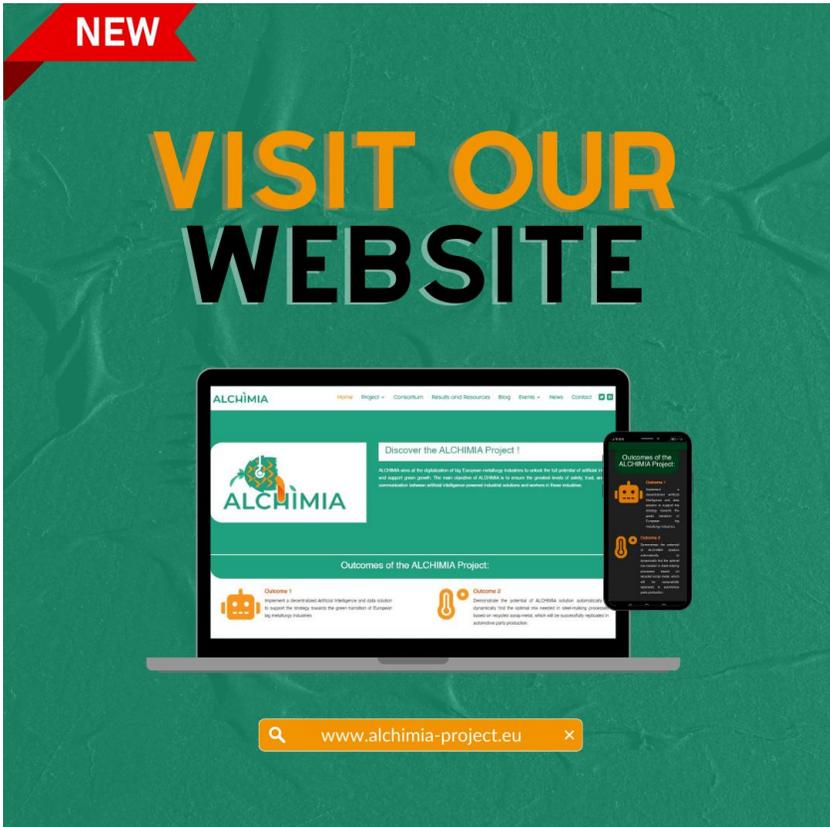
ALCHIMIA aims to develop a cutting-edge system that substantially automates and optimizes the production process with a holistic approach that supports a green economy for the steel industry and protects the environment. In order to create a competitive and environmentally friendly European metallurgical industry, the ALCHIMIA Project aims to reduce energy consumption, emissions, and waste management in the steel-making process.

## ALCHIMIA Goals

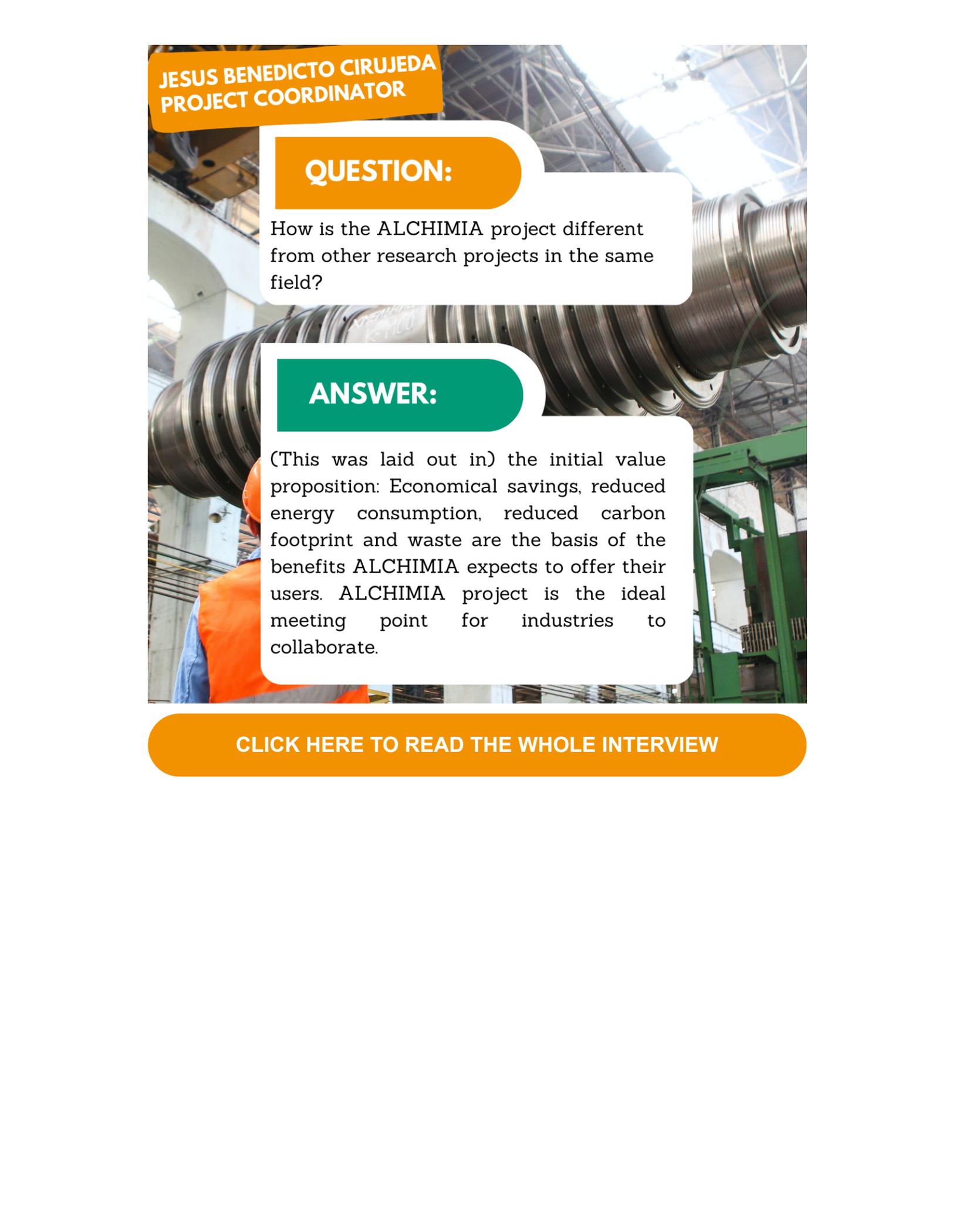


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## ALCHIMIA Website



## Interview with ALCHIMIA Coordinator



**JESUS BENEDICTO CIRUJEDA  
PROJECT COORDINATOR**

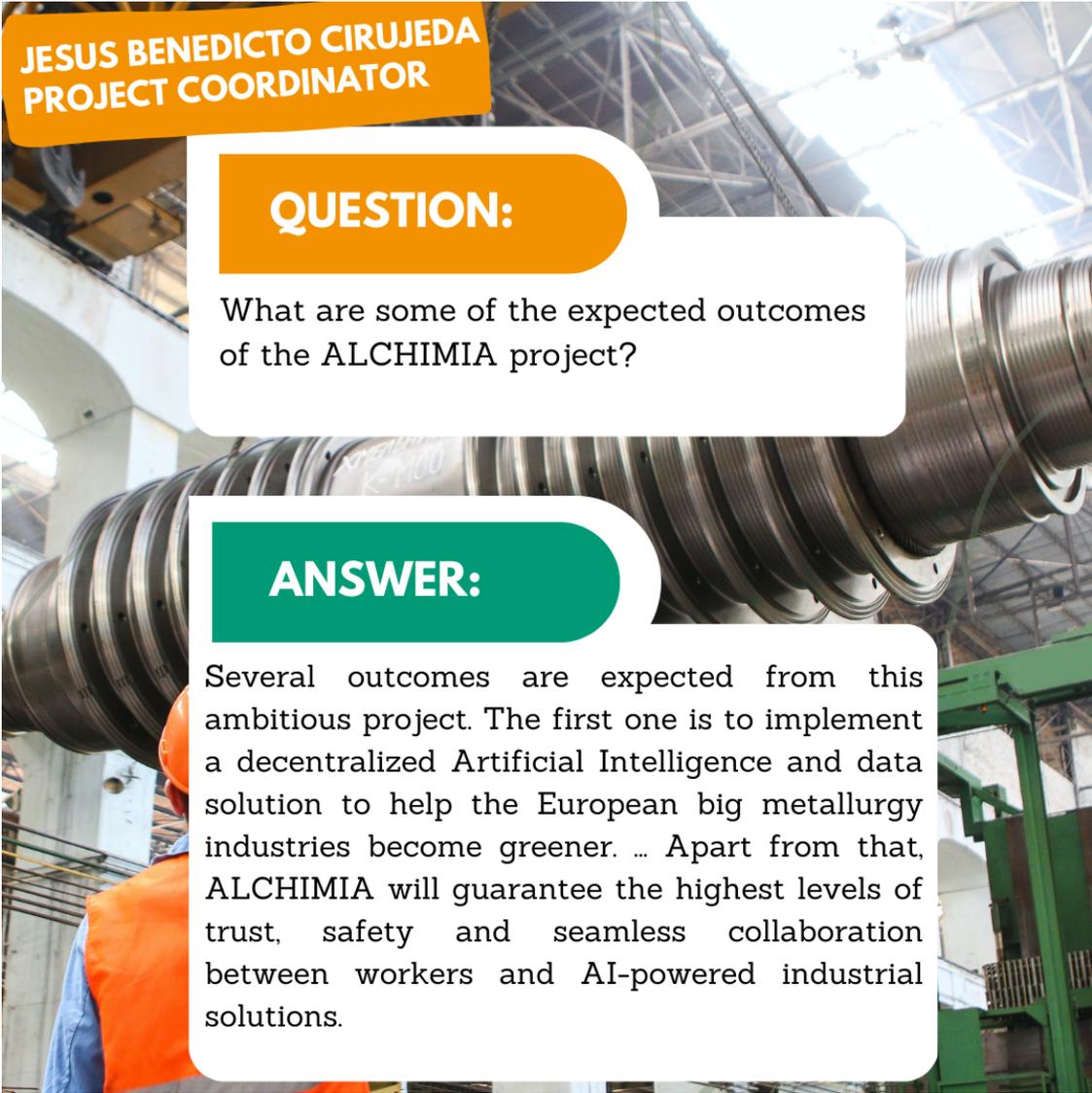
**QUESTION:**

How is the ALCHIMIA project different from other research projects in the same field?

**ANSWER:**

(This was laid out in) the initial value proposition: Economical savings, reduced energy consumption, reduced carbon footprint and waste are the basis of the benefits ALCHIMIA expects to offer their users. ALCHIMIA project is the ideal meeting point for industries to collaborate.

**[CLICK HERE TO READ THE WHOLE INTERVIEW](#)**



**JESUS BENEDICTO CIRUJEDA  
PROJECT COORDINATOR**

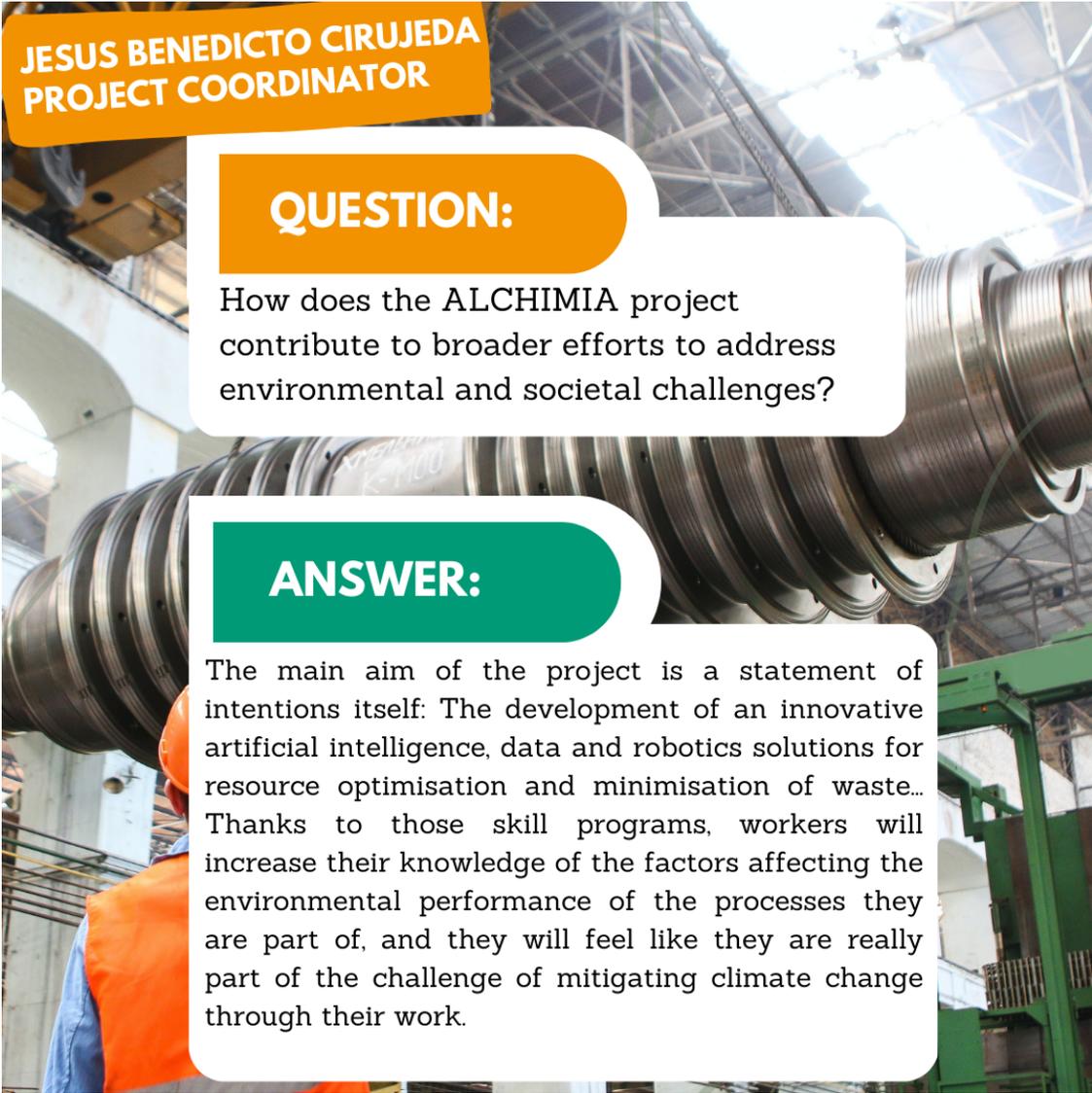
**QUESTION:**

What are some of the expected outcomes of the ALCHIMIA project?

**ANSWER:**

Several outcomes are expected from this ambitious project. The first one is to implement a decentralized Artificial Intelligence and data solution to help the European big metallurgy industries become greener. ... Apart from that, ALCHIMIA will guarantee the highest levels of trust, safety and seamless collaboration between workers and AI-powered industrial solutions.

**[CLICK HERE TO READ THE WHOLE INTERVIEW](#)**



**JESUS BENEDICTO CIRUJEDA  
PROJECT COORDINATOR**

**QUESTION:**

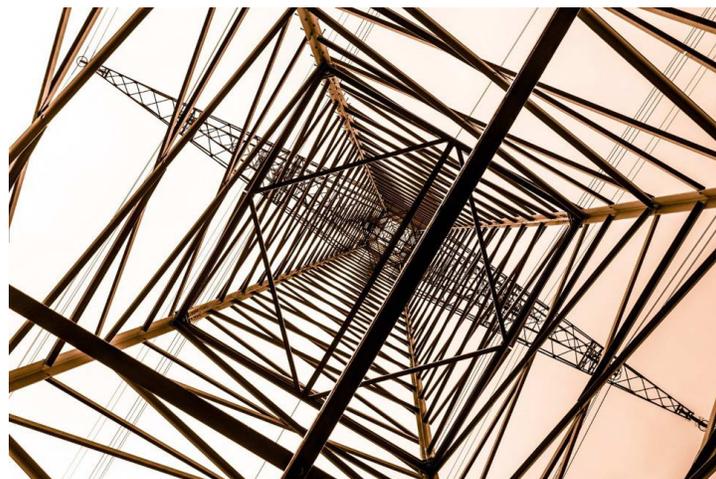
How does the ALCHIMIA project contribute to broader efforts to address environmental and societal challenges?

**ANSWER:**

The main aim of the project is a statement of intentions itself: The development of an innovative artificial intelligence, data and robotics solutions for resource optimisation and minimisation of waste.. Thanks to those skill programs, workers will increase their knowledge of the factors affecting the environmental performance of the processes they are part of, and they will feel like they are really part of the challenge of mitigating climate change through their work.

[CLICK HERE TO READ THE WHOLE INTERVIEW](#)

**Discover ALCHIMIA Blogs**



## The benefits of Federated Learning for the European steel industry



## Human Factor Analysis in the ALCHIMIA Project

**Don't forget to follow us on Twitter and LinkedIn!**



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[alchimia-project.eu](http://alchimia-project.eu)

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